

2007 Calendar of Events

January 2007

- **January 8th-12:** Strategic Conservation Planning Using a Green Infrastructure Approach - at the National Conservation Training Center in Shepherdstown, WV! Participants will work collaboratively to develop a green infrastructure network and in the process will learn how and why green infrastructure applies to their field - be it conservation or development, e.g., transportation, housing, utility siting. Attend the class in January and learn how green infrastructure applies to your field and can be used to build consensus among diverse interests. Registration deadline is December 1, 2006. Click here for additional information on how to apply, course objectives, and registration fees.
- **January 9th:** Delivery of Soil Survey Data - Maryland Soils Management team is currently conducting a review of the soils program—specifically, evaluating the dissemination of digital soils information and interpretations. Part of this evaluation is to receive input from our cooperators and stakeholders relating to the use of the digital soil survey and suggestions on improving the digital product.

If you are interested in attending this meeting, please RSVP by December 19, 2006, by calling either Jim Brown at 443.482.2913 or Joe Kraft at 301.695.2803, ext. 3, or responding by e-mail to Joseph.Kraft@md.usda.gov. Click here for a flyer with additional information.

- **January 10th from 12-2 pm:** Construction SWPPPs from A to Z: Everything You Ever Wanted to Know (and More!). Many construction sites across the country must develop Stormwater Pollution Prevention Plans (or similar documents with similar names). This webcast will discuss how to develop an effective SWPPP and introduce EPA's helpful new guide, "Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Site Operators." We will discuss: the key elements that SWPPPs should contain tips for common erosion and sediment control BMPs and good housekeeping BMPs and how to conduct effective self-inspections. To register for this free webcast, visit www.epa.gov/npdes/training
- **January 11th from 1-3pm:** Monocacy & Catoctin Watershed Alliance meeting at Hood College, Hodgson Building, Room 207. Contact Kay Schultz at 301.600.1741 or kschultz@fredco-md.net for additional information.
- **January 15th at 10am:** Stream restoration work on Carroll Creek. If you would like to help, please contact Mitch Keiler with the Maryland Department of Natural Resources at 410.260.8806 so, in the event he must cancel due to the weather, he can notify you. Please bring a shovel.
- **January 15th:** 13TH ANNUAL ENVIRONMENTAL LEGISLATIVE SUMMIT at the Miller Senate Building in Annapolis, Presidential Conference Room East

Come and learn about the important issues facing Maryland's environment at the 13th Annual Environmental Legislative Summit. The Summit brings together elected officials, citizens and community leaders from across the State to outline the important environmental legislative priorities for the 2007 Maryland General Assembly.

A large turnout of conservation-minded voters like you will help us send a clear message to legislators and Governor-elect O'Malley that Maryland voters care about curbing global warming, addressing the environmental impacts of dramatic growth, and cleaning up the Bay.

You'll also find out about the key environmental issues this legislative session, to demonstrate support for these critical issues, and to learn how you can make a difference!

Pre-registration is not required. Bring a photo I.D.

This year there will also be a special live slide show of Al Gore's An Inconvenient Truth!

SCHEDULE OF EVENTS:

- 10:30 am - 11:30 am: Pre-Summit slide show presentation based on "An Inconvenient Truth, " presented by The Honorable Ellen Moyer, Mayor of Annapolis and The Honorable Dick D'Amato
- 12:00 pm: Registration
- 12:30 pm - 2:30 pm: 13th Annual Environmental Legislative Summit

Speakers:

- Attorney General Doug Gansler
- President of the Senate Thomas V. Mike Miller
- Speaker of the House Michael Busch
- Education, Health and Environmental Affairs Committee Chair Joan Carter-Conway
- Environmental Matters Committee Chair Maggie McIntosh Legislative
- Experts from the Environmental Community

The following organizations are participating in this campaign:

- Audubon Naturalist Society, Maryland Conservation Council, Maryland, League of Conservation Voters, Sierra Club - Maryland Chapter, Partners for Open Space Maryland ECO System is made up of the following environmental organizations: 1000 Friends of Maryland, Audubon Naturalist Society, Clean Water Action, Environmental Defense, Maryland Conservation Council, Maryland League of Conservation

Voters, One Less Car, Partners for Open Space, Sierra Club - Maryland Chapter, Waterkeeper Alliance, Chesapeake Programs and is managed by: Maryland League of Conservation Voters Education Fund, Nine State Circle Annapolis, MD 21401, 410.280.9855

- **January 17th from 7:30-10am:** Overcoming Community Opposition to Compact Development - Register Now! Pre-Registration Deadline is January 11. Opposition to compact development is becoming ever more present throughout the region as NIMBYs graduate to BANANAs (Build Absolutely Nothing, Anywhere, Near Anyone). Many say the community participation process is broken, but what valid concerns do citizens voice when faced with compact development, and how can their input result in better, not compromised communities? What leadership role can government play in building certainty and transparency in the process? What key strategies are local developers employing to advance their projects in the wake of fierce opposition to growth and development? Our panelists will provide a national, regional and local perspective on why and how communities are organizing against development, and will offer alternatives for working with the community to gain support for compact development.

[Click here for additional information and registration.](#)

- **January 17th from 1-3pm:** "Using NEMO - Nonpoint Source Education for Municipal Officials to Advance Watershed Management" by Chet Arnold, Associate Director, Center for Land Use Education and Research (CLEAR), University of Connecticut; John Rozum, Director, Connecticut NEMO Project, University of Connecticut; and Dave Dickson, Director, National NEMO Network, University of Connecticut.

The Nonpoint Source Education for Municipal Officials (NEMO) Program is a national award-winning program that educates local land use decision makers on the links between land use and water resource protection. This Webcast will provide a thorough overview of the methods, impacts and educational offerings of the NEMO Program. The educational offerings, geospatial technology tools including build out scenarios, and local impacts of the Connecticut and other state programs will be discussed. The instructors will also describe the National NEMO Network, an affiliated group of projects in 30 states, which may be available to help your watershed or local community. Registration for this Webcast opens January 10, 2007. You must register in advance to participate in the Webcast. To register, visit www.cluin.org/live.

Exciting news for Chesapeake Watersheds...A local NEMO affiliate in the Chesapeake Watershed has recently formed! Chesapeake NEMO, is a collaborative network helping communities in the Chesapeake watershed and Maryland and Virginia coastal bays foster well-planned growth, preserve water quality and protect natural areas. Chesapeake NEMO provides educational outreach programs emphasizing natural resource-based land use planning and better site design. The

network delivers coordinated technical help and leveraged financial assistance, helping communities implement sound land use planning and watershed protection. Because this Webcast is geared towards providing information on the National NEMO Program, detailed information on our local Chesapeake NEMO will not be highlighted. Please contact Amy Handen at ahanden@chesapeakebay.net, or Chesapeake NEMO Program Director, Jonathan Doherty, at jdoherty@chesapeakebay.net to learn more!

- **January 18th from 6:45-9pm:** Insects and Diseases that Affect Forested Areas - part of the Forestry 101 Lecture Series. Come to the Extension Office and learn from local Maryland Department of Agriculture staff about pests that can harm forest areas and learn ways to make your forest less susceptible to these pests. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form.
- **January 23rd at 7pm:** Antietam Creek Watershed Alliance meeting at the Quality Inn, 1101 Dual Hwy, Hagerstown MD. Click here for flyer with more details.
- **January 24th at 5pm:** Upper Potomac Tributary Team meeting in Williamsport, MD at the Washington County Department of Water Quality. Click here for directions and the agenda.
- **January 25th-March 17th:** Chesapeake Bay Foundation offers its VoiCeS (Volunteers as Chesapeake Stewards) program. Workshops are 6:30-9:30 pm at Hood College, Frederick, MD.

VoiCeS is an 8-week adult training course for volunteers who want to learn more about Bay watershed issues, ecology, cultural history, land use and advocacy. Included in the course are 2 Saturday field trips. Volunteers then commit to completing 40 hours of work on an environmental project(s) of their choice. No registration fee, but there is a nominal materials fee. Space is limited. For information and to register, contact Marcy Damon at mdamon@cbf.org, 443.482.2156.

We would particularly love to have local watershed leaders involved. The class space is limited to 35 people and I already have about 13 people interested.

- **January 26th from 10:00am-3:30pm:** Increase Your Capacity for Success - Capacity Building Initiative Grant and Technical Assistance Program. Please join the Chesapeake Bay Funders Network and Chesapeake Bay Trust for its first public meeting to discuss its comprehensive Capacity Building Initiative and to learn about new opportunities to grow your organization's success. The meeting will be held at the National Wildlife Visitors Center, Patuxent Research Refuge, 10901 Scarlet Tanager Loop, Laurel, MD 20708-4027. To RSVP to the Capacity Building Initiative Symposium, register online at www.chesapeakebaytrust.org or email Kerri Bentkowski at kbentkowski@cbtrust.org or call 410.974.2941, Ext. 3.

- **January 27, 2007 from 9:30am-Noon:** Tree Shelter Removal Project at the Monocacy Natural Resources Management Area off Rt. 28 & Park Mills Rd, Frederick County. Meet up in the gravel lot off Park Mills Rd (to the right when coming from Rt. 28). Spring and Summer dates TBD.

To RSVP or for more details, contact the Alliance for the Chesapeake Bay at 410 377-6270 or kdowling@acb-online.org.

Tree tubes (or shelters) are the plastic covers that protect trees from deer and rodent damage. However, as the tree grows larger, the tubes must be removed so they don't smother and destroy the tree.

The Alliance for the Chesapeake Bay (ACB) needs volunteers to help cut off old tree tubes on a ½ acre site. ACB will monitor the effects of a winter, spring, and summer shelter removal on the trees; we've already completed a fall shelter removal project. This will help determine the best times of the year for future tree shelter removal projects.

Our goal is to recycle re-usable tubes by giving them to a watershed group, homeowner, or tree nursery that can put them to use. If you know of a group that would be able to use the tubes, please let us know!

Volunteers should be age 16+ (with guardian for minors). Wear sturdy shoes and clothes that can get muddy. We will provide knives for cutting off the shelters, light gloves, hot drinks and snacks.

Sponsored by the Maryland Department of Natural Resources. *Healthy tree buffers and forested areas help to clean groundwater and streams, provide habitat, and contribute to cleaner air.*

[Click here to view a flyer for the event.](#)

- **January 27th from 9:30am-2:pm:** Audubon Society of Central Maryland's Winter Bird Seed Sale pick up date at Clarksburg Elementary School, 12040 Route 108, Clarksville, MD. Purchase quality bird seed to attract and keep birds in your yard - and support the Audubon Society of Central Maryland. Your purchases will support their two sanctuaries as well as other club activities. Ordering is easy. Just click here to download a form. Orders and checks must be received by January 23rd. For questions contact Anne Hart at 410.465.3840 or anneandken@verizon.net, Carolyn Moroney at 301.831.5060 or Bill Becraft at 410.795.6546.

February 2007

- **February 2nd-4th:** Maryland Association for Environmental and Outdoor Education (MAEOE) Announces its 22nd Annual Conference - Learning From Nature. The

conference will be held at Princess Royale Hotel in Ocean City, MD. Registration information will be available online in the Fall 2006. Interested in presenting? The call for presentations is now available at www.maeoe.org and please note the deadline to submit is September 22, 2006.

- **February 3rd from 9:30am-2:pm:** Audubon Society of Central Maryland's Winter Bird Seed Sale pick up date at Prospect Woodville Hall, Prospect United Methodist Church, Woodville Rd and Old Annapolis Rd, Mt. Airy, MD. Purchase quality bird seed to attract and keep birds in your yard - and support the Audubon Society of Central Maryland. Your purchases will support their two sanctuaries as well as other club activities. Ordering is easy. Just click here to download a form. Orders and checks must be received by Januray 23rd. For questions contact Anne Hart at 410.465.3840 or anneandken@verizon.net, Carolyn Moroney at 301.831.5060 or Bill Becraft at 410.795.6546.
- **February 7th from 8:30am-12:00pm:** Western Maryland GIS Users Group Meeting - Sponsored by – ESRI and City of Hagerstown GIS. The meeting will be held at Hagerstown City Hall, 1 East Franklin St, Hagerstown, MD 21740. Registration is free! Click here for more information. If you have any questions please contact Steve Long, City of Hagerstown, 301.739.8577 or Alice Rice, ESRI, 301.514.3602
- **February 8th at 7pm:** Endocrine Disruptors in the Monocacy River - presentation on Intersex Fish by Vicki Blazer at Hood College Whitaker Commons.
- **February 10th from 9am-3:30pm:** Stream Waders training held at Washington College, Chestertown (Kent County). Maryland Department of Natural Resources' Stream Waders Volunteer Stream Sampling Program is gearing up for another exciting year! In 2007, we're holding Stream Waders training sessions at Frostburg State University in Frostburg, the Izaak Walton League of America (IWLA) Wildlife Achievement Chapter facility in Damascus, and Washington College in Chestertown.

We're doing things a little differently again in 2007. We're hoping you'll help us continue to "fill in the gaps" in watersheds where MBSS (Maryland Biological Stream Survey) biologists are sampling. We're also prioritizing subwatersheds with no MBSS or Stream Waders samples and subwatersheds with very healthy streams that need data to support the Maryland Department of the Environment's needs.

These priority areas are the green areas on the map on this web site http://www.dnr.state.md.us/streams/mbss/w_new.html . A very informative Frequently Asked Questions page can be found at http://www.dnr.state.md.us/streams/mbss/w_faq.html

This year, we're also teaming up with the Isaak Walton League's Save our Streams (SOS) Program (see <http://www.iwla.org/sos>) where you'll have an opportunity to learn benthic macroinvertebrate identification and SOS sampling techniques. We invite you to attend both trainings, but you are only required to attend a Saturday training to become a Stream Wader.

To receive more information, call the Stream Waders hotline at 1.87.620.8DNR (x8623) or email streamwaders@dnr.state.md.us. To register for a training session, call Joanne Alewine at 410.260.8613 or email jalewine@dnr.state.md.us. When registering, please include your name, email address, mailing address, phone number, and location of preferred training session.

- **February 15th from 6:45-9pm:** Forestry Incentive Programs - part of the Forestry 101 Lecture Series. Come to the Extension Office to learn about how to save money in taxes and maintenance costs. Review the programs available that will help to reforest property at little or no cost. Ways to sell temporary or permanent easements on property will also be reviewed. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form.
- **February 16th from 9:30am-12:30pm:** The National Fish and Wildlife Foundation and the Chesapeake Bay Program invite you to attend a free workshop on the Chesapeake Bay Small Watershed Grants Program. This workshop will provide an overview of the Small Watershed Grants Program, offer recommendations on what makes for a strong proposal, and answer any questions that potential applicants may have about the significant changes in the Small Watershed Grants Program for 2007. These changes include the creation of two grant categories and accompanying increases in grant amount.

Please note that there will only be one workshop for the Small Watershed Grants Program held this year. All are encouraged to attend at the following date, time and location:

The Chesapeake Bay Program Office (www.chesapeakebay.net/directions.htm)

The “Fish Shack” Conference Room

The workshop will also be available via webcast. Please RSVP to chesapeake@nfwf.org and indicate whether you will participate in person or via webcast. If you plan to participate via webcast, instructions will be e-mailed to you. A recording of the webcast workshop will be posted on the NFWF website and available for download.

- **February 23rd from 9am-4:30pm:** MBSS training for the Spring Index Period . Training will cover the collection of benthos, physical habitat data and water quality. The training will be held at ThorpeWood near Thurmont in Frederick County. Click here for directions to ThorpeWood. A light breakfast will be provided. Please bring a bag lunch. Because this training includes hands-on, in-the-stream activities, please bring waders and clothing appropriate for the weather. If the weather is bad and we need to postpone, we will send out an email to all registrants. You may also call 410.260.8603 after 3 pm on February 22nd to check the status of the training. The

cost is \$45 and is payable via cash or check to Maryland DNR. The registration deadline is February 20th. Click here for a flyer.

- **February 23rd from 8am-3pm:** “We’re Stumped! What Would a Tree Do?” - hosted by the Pogo Tree Experts at their farm in Sunshine, MD. Topics to be discussed include: The Soil Food Web, How Trees Grow, and Tree Dissection. Visit their website at www.pogoorganics.com to register. Click here for a flyer with additional information on topics to be discussed and directions to the farm.
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- **February 24th from 9am-4pm:** Planning of Wetlands (POW!) training held at the Frederick County Public Schools Administrative Complex. Cost is \$30. For more information or to register, visit Environmental Concern's website at www.wetland.org or call 410.745.9620.
- **February 28th from 12-1:15pm:** Organic Land Care Basic Training Online! The National Coalition for Pesticide-Free Lawns is pleased to announce our first on-line

Organic Land Care Basic Training for Municipal Officials and Transitioning Landscapers. This three-part teleconference will explain the Simple Steps to beginning an organic turf program and will cover the basic concepts, methods, and materials you need to get started. The training is geared toward school and/or park and recreation officials. However, landscapers interested in transitioning are more than welcome to attend. The Program will be taught by Chip Osborne, a professional horticulturist with over 30 years experience and an expert on building and transitioning turf to organic care. The cost of the training is only \$45 for municipal officials and \$95 for professional landscapers. For more information and to register, please visit www.pesticidefreelawns.org/training.

March 2007

- **March 1st:** Rain barrels will go on sale. Please note that you must register for a FREE workshop in order to reserve a barrel. The workshops will be held at ThorpeWood and will last about two hours. The workshops will show new barrel owners how to install and maintain barrels and provide other landscaping ideas that complement the barrels. You may register for a workshop even if you decide not to purchase a barrel. In fairness to everyone, we are limiting the number of barrels each person can purchase to two. Contact Jennifer Dotson at jdotson@icprb.org or click [here](#) for additional information.
- **March 3rd from 9am-3:30pm:** Stream Waders training held at IWLA Wildlife Achievement Chapter Facility, Damascus (Montgomery County); SOS training on March 4th. Maryland Department of Natural Resources' Stream Waders Volunteer Stream Sampling Program is gearing up for another exciting year! In 2007, we're holding Stream Waders training sessions at Frostburg State University in Frostburg, the Izaak Walton League of America (IWLA) Wildlife Achievement Chapter facility in Damascus, and Washington College in Chestertown.

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- **March 3rd and 4th:** The Watershed Alliance of Adams County along with Adams County Trout Unlimited is holding our 3rd Annual Fishing & Outdoor Expo. The event is held at Buchanan Valley Fire Company which is located on Rt. 234, northwest of Gettysburg. Hours are Saturday: 8-4, Sunday: 9-4. Admission is \$3 for adults, kids under 12 are free. Some details: there are vendors offering a variety of outdoor merchandise, everything from fishing lures to taxidermy services. There are free seminars throughout the weekend, along with door prizes & a raffle of donated items. More info can be found on our website at www.adamswatersheds.org. All of this raises money to support the Watershed Alliance & Trout Unlimited's environmental efforts. It also supports the fire company.
- **March 5th from 12-1:15pm:** Organic Land Care Basic Training Online! The National Coalition for Pesticide-Free Lawns is pleased to announce our first on-line Organic Land Care Basic Training for Municipal Officials and Transitioning Landscapers. This three-part teleconference will explain the Simple Steps to beginning an organic turf program and will cover the basic concepts, methods, and materials you need to get started. The training is geared toward school and/or park and recreation officials. However, landscapers interested in transitioning are more than welcome to attend. The Program will be taught by Chip Osborne, a professional horticulturist with over 30 years experience and an expert on building and transitioning turf to organic care. The cost of the training is only \$45 for municipal officials and \$95 for professional landscapers. For more information and to register, please visit www.pesticidefreelawns.org/training.
- **March 5th to 23rd:** Cacapon Institute is pleased to announce the 2nd Annual Stream Cleaner Environmental Forum, an internet-based academic activity where high school students investigate the causes of and solutions for non-point source pollution in the context of the regional effort to clean up the Chesapeake Bay. We are asking for your help in recruiting classes to participate in the SCE Forum. Classes begin by investigating the Chesapeake Bay Program and non point pollution science and policy (2-3 hours of in or out of class) and then engage in an internet-based dialogue with other classes (at least three 45 minute class periods). This exercise teaches critical thinking and societal decision making in the context of watershed science and protecting rivers and watersheds.

The SCE Forum challenges students to think deeply about this complex issue that is relevant to their lives - and challenge peers across the internet to do the same. The results can be electrifying: "I was shocked and amazed to observe the strong stances that many of my students took on their points of view...The most rewarding experience for me was the students' response at the end of consensus work. All the

students leaned back in their chairs and collapsed with a sense of satisfied accomplishment." Sharon Harman, Ph.D., Petersburg H.S., West Virginia

The SCE Forum is available to any class with internet access - urban, suburban, or rural. Students explore the science and challenges of non point source pollution, role play as stakeholders, build consensus, and propose real world solutions.

Cacapon Institute is a member of West Virginia's Potomac Tributary Strategy Stakeholder Group and Implementation Team. We developed the SCE Forum specifically in response to the need for effective education that helps foster changes in public perceptions and behavior about the environment in the entire Chesapeake Bay watershed. Solving many of our region's environmental challenges will depend on voluntary changes in how people manage their lands. For example, much of the Chesapeake Bay 2010 cleanup effort depends on voluntary adoption of "best management practices" by homeowners, farmers, and municipalities. However, changes in attitudes/perceptions won't occur overnight, or on a legislative timeline. At CI, we think it will take a generation to build a societal consensus about how our environment should be treated. That's why we focus our educational efforts on the schools.

Our web site includes suggestions for teachers on use of the Forum for science, social studies, vocational agriculture, and language arts. New for Spring 2007! Participating schools within the Chesapeake Bay watershed can compete for grants to implement their own watershed stewardship project. Classes might plant a riparian buffer, establish a management plan for a stream, control erosion problems, deal with parking lot runoff, or any number of best management practices.

We encourage you to recommend the activity to a local high school, or even consider being a mentor on the importance of good watershed stewardship. This is an opportunity to engage young people in a structured discussion of local watershed issues as part of the overall Chesapeake Bay Program. The lessons are available now and the students' web-based dialogues runs from March 5th to the 23rd. To register, get more information, or download a flyer please visit the SCE Forum.

We look forward to hearing from you. We welcome your comments or questions at ci@cacaponinstitute.org; or call us at 304.856.1385.

- **March 7th from 12-2pm:** Stormwater Webcast - Municipal Stormwater Compliance - Speakers: Jenny Molloy of EPA Headquarters, John Tinger of EPA Region 9, Jason Papacosma of Arlington County, VA, and John Kosco of Tetra Tech, Inc. EPA will introduce its new guide for assessing the effectiveness of municipal separate storm sewer systems (MS4s) programs. This guide is intended for use by EPA and state staff who conduct evaluations of MS4 programs. It can also be used by MS4s if they wish to conduct self-assessments, prepare for an upcoming audit, or improve the effectiveness of their programs. The guide describes how to conduct an evaluation of each major stormwater program component and includes detailed worksheets to help

organize and document the evaluation. Guest speakers will discuss their experiences during evaluations of MS4 programs. To register for this webcast, please visit www.epa.gov/npdes/training

- **March 8th from 8:30am-5pm:** Green Roof Design 101 Introductory Course - In this revised introductory course you will learn about the components and benefits of green roofs, how to design a project for maximum benefits, how to cost estimate for different types of projects and much more. The new course includes the most up-to-date green roof research and design practices as well, as new case studies from this rapidly expanding industry. Tuition is \$395. Inquiries should be directed to Green Roofs for Healthy Cities at 416.971.4494 ext 228. To be held at the Baltimore Convention Center, Rooms 301 - 302, One West Pratt Street, Baltimore, Maryland. For more information and to register please visit: www.greenroofs.org
- **March 8th at noon:** From Science to 'Git Er Done': Life As a State Liaison for the Highlands Action Program presented by Mr. Paul F. Kazyak, Maryland Department of Natural Resources, Annapolis - In this exciting and informative talk, Paul will relate his new role as Maryland's official liaison to the Highlands Action Program. He will describe what the HAP is, why it's a brand new ball game, and what's been accomplished in just a few months. Having learned many useful lessons about government during his lengthy tenure with DNR's Maryland Biological Stream Survey, Paul will also pass along his top 10 newly-learned lessons about working in the restoration/protection/stewardship arenas, working with other states, and working with the U.S. EPA. Talk will be held at the Maryland Department of Natural Resources, C-1 Conference Room, Tawes Office Building, 580 Taylor Avenue, Annapolis, Maryland.
- **March 9th from 8:30am-5pm:** Green Roof Infrastructure Design and Installation 201 - This much anticipated second course in the forthcoming accreditation program is for those who have taken Green Roof Design 101 or who already have basic green roof knowledge. You will learn the roles and responsibilities of a green roof team, and various issues and complexities involved in managing your green roof project and how to plan for success every time. Tuition is \$395. Inquiries should be directed to Green Roofs for Healthy Cities at 416.971.4494 ext 228. To be held at the Baltimore Convention Center, Rooms 301 - 302, One West Pratt Street, Baltimore, Maryland. For more information and to register please visit: www.greenroofs.org
- **March 12th-14th:** Low Impact Development Conference - Wilmington, NC. Click here for additional details.
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- **March 15th at 1pm:** Monocacy & Catoctin Watershed Alliance meeting at the Common Market in the Community Room. The Common Market is located in Evergreen Plaza on Route 85. For more information, contact Kay Schultz at 301.600.1741 or kschultz@fredco-md.net.
- **March 15th from 6:45-9pm:** Alternative Income Opportunities for Forest Landowners - part of the Forestry 101 Lecture Series. Come to the Extension Office to learn from Jonathan Kays from the Maryland Cooperative Extension about other ways to generate income from forest property. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form.
- **March 17th from 9am-1pm:** Monocacy Farm Stewardship Project Stream Buffer Restoration in Mt. Airy, MD - We need your help! Volunteers will help restore 7,000' of streambank on a large beef cattle farm by planting 1,300 native trees and shrubs in an area where the cows have been fenced out of the stream. Equipment, refreshments and tools provided. Project funders include: Chesapeake Bay Trust, National Fish and Wildlife Foundation and the US Fish and Wildlife Service Partners Program. Project partners include: Natural Resource Conservation Service, Frederick County Soil Conservation District, Frederick County Department of Planning, MD-DNR Forest Service, Hood College, Thorpewood, New Forest Society, Federated Garden Clubs of Maryland, US Fish and Wildlife Service, Monocacy and Catoctin Watershed Alliance. For more information and directions, contact Marcy Damon at 443.482.2156 or email mdamon@cbf.org.
- **March 17th from 9am-3:30pm:** Thanks to last weekend's snowstorm you have another chance to participate in the League's Save Our Streams workshop in Frostburg, Maryland. So, if you care about clean water and want to take action to ensure the future of Maryland's waters, come out, get trained, and get involved in volunteer monitoring and stream protection.

You will receive hands-on training, network with other groups and individuals interested in Maryland's streams, and take with you publication resources and ideas to help you get started and keep going. This is a great training and resource opportunity for teachers, watershed groups, and anyone interested in taking a closer look at the water quality in Maryland's streams.

Same time, Same place, Different day: Frostburg State University, Compton Hall, Room 22

Please note: Bring your own LUNCH and WADERS (if you have them) to the training!

Pre-registration is required. Please contact Kami Watson-Ferguson to sign up, kami@iwla.org or (301) 548-0150 ext 220.

To learn more about Save Our Streams go to <http://www.iwla.org/sos>. This initial Save Our Streams training is a pre-requisite for future certification and follow-up trainings.

- **March 18th-22nd:** First of three workshops in the Mid-Atlantic Complete Fundraiser Program. Due to generous support from the Keith Campbell Foundation, the Institute for Conservation Leadership is able to offer reduced tuition to eligible organizations in the Chesapeake Bay Watershed (DE, MD, DC, VA).

Through three workshops and ongoing coaching and consulting support, Complete Fundraiser Program participants gain fundraising skills and strategies to help lead their organizations in implementing new fundraising efforts. The first workshop will be held in Wallingford, PA (near Philadelphia). Apply by January 19, 2007.

Organizations participating in this yearlong program gain skills and confidence to:

- Diversify their income by increasing individual donor income and decreasing dependency on foundation grants,
- Increase their revenue, and
- Develop systematic fundraising throughout their organization.

This program is made possible thanks to generous support from the William Penn Foundation and the Keith Campbell Foundation.

For a complete program description, cost information, and to download and application, visit ICL's website: www.icl.org. Applications are due January 19, 2007

If you have any questions regarding your organization's eligibility for the reduced tuition, please contact Peter Lane at 301-270-2900 ext. 5 or peter@icl.org.

- **March 19th from 8:30am-2pm:** 2007 Farm Bill Workshop at the Maryland Department of Agriculture (registration at 8:30 a.m.). Secretary Roger Richardson has asked the Maryland Agricultural Commission to spearhead this event and together we have come up with an excellent agenda. The agenda provides a very talented line-up of individuals to present the impact of the 2002 Farm Bill on Maryland farmers and key people from the national scene to give us input on the 2007 Farm Bill options under discussion. These presentations will be followed by a working lunch during which the Secretary will be seeking input from Maryland farmers on what YOU would like to see in the 2007 Farm Bill and what you DO NOT want to see. We don't expect to write a Maryland version of the 2007 Farm Bill over lunch - but it would be helpful to get some guiding principals as to what is important for Maryland.

Pre-registration is necessary as lunch will be provided. Please call or email Jennifer Jumalon at 410-841-5881, jumaloje@mda.state.md.us by March 15th to confirm your attendance. Click here to view the agenda.

- **March 19th-20th:**The 20th Annual Towson University Geographic Information Sciences Conference (TUgis 2007) - The conference is sponsored by the Towson University Department of Geography and Environmental Planning and will be held on the Towson University campus.

TUgis 2007 continues a tradition of offering an exceptional professional education and networking opportunity for GIS practitioners, geospatial businesses, college and university faculty and students, and K-12 teachers.

Conference features include presentations in plenary, poster, and concurrent sessions; exhibit area with up to 50 exhibitors; map competition and gallery; job mart; mini-workshops on topics such as "What's New in ArcGIS 9.2 and ArcGIS Server"; special sessions for K-12 teachers; student paper sessions; and post-conference workshops

We are also pleased to announce the confirmed keynote speakers for TUgis 2007:

- Jack Dangermond, President, Environmental Systems Research Institute
- Douglas Richardson, Executive Director, Association of American Geographers

The Call for Presentations for TUgis 2007 will be distributed on Friday, September 29, 2006. The deadline for presentation proposals is Friday, December 1, 2006.

Even if you are not planning to make a presentation at TUgis 2007, we hope you will attend the conference next March to help us celebrate our 20th year of providing quality professional education opportunities to the GIS community in Maryland and the Mid-Atlantic region.

- **March 21st from 12-2pm:** Webcast - CSO Control Policy 101 - The Combined Sewer Overflow (CSO) Control Policy, issued in 1994, is the key to understanding community, state, and EPA efforts to address discharges from older, "combined" sanitary and storm sewer systems. Approximately 900 cities have combined sewer systems and are taking steps improve their performance and protect water quality. This two-hour workshop will provide an overview of the CSO Policy, including discussion of the "nine minimum control measures" each city must implement through their CSO Long-Term Control Plans. The webcast will also discuss the roles and responsibilities of local, state, and federal officials. If you are new to the regulatory side of CSO control or want a comprehensive refresher on this topic, this webcast is for you.

To learn more about this webcast and to find the registration form, visit www.epa.gov/npdes/training

- **March 21st-23rd:** Paying for Sustainable Water Infrastructure - Innovations for the 21st Century - A Conference Hosted by U.S. EPA and the Georgia Environmental Facilities Authority

EPA and the Georgia Environmental Facilities Authority will bring together stakeholders from all levels of government and the private sector to explore creative methods to pay for sustainable water infrastructure. This will be the first national conference to address the challenge of integrating the diverse tools and strategies to pay for sustainable water infrastructure. Participants will have the opportunity to discuss these issues with leaders and peers in four tracks: 1) Sustainable Water Infrastructure 2) Federal Roles in Water Infrastructure Innovation 3) State and Local Innovations and 4) International Innovations in Finance, Technologies, and Management. The conference will be held at the Hilton Atlanta - Atlanta, Georgia. For more information, visit www.payingforwater.com

- **March 22nd from 8am-4 pm:** Nutrient Trading and Implications on Mid-Atlantic Waters - A look at nutrient trading, its goals and the implications of putting it into practice in the Mid-Atlantic. Click here for a flyer with additional information and registration.
- **March 22nd at noon:** Maryland Forests and Deer Browse: What's the Problem? presented by Dr. Anne Hairston-Strang, Maryland Department of Natural Resources - Deer browse can affect the ability of forests to regenerate, especially for native historic forest types. Deer exclosures have been erected by the City of Baltimore and Maryland National Capital Park and Planning Commission (MNCPPC). Dr. Hairston-Strang, a forest hydrologist, will present and compare data collected over a period of six years in exclosures where deer were excluded with browsed areas in forests surrounding Baltimore City reservoirs. She will also present data collected in 10-year-old exclosures erected by the MNCPPC in Prince George's County to show changes in tree species occurrence over time. Talk will be held at the Maryland Department of Natural Resources, C-1 Conference Room, Tawes Office Building, 580 Taylor Avenue, Annapolis, Maryland.
- **March 23rd from 9am-4pm:** Introduction to Seasonal Pools Training Workshop at the National Wildlife Visitor Center, Patuxent Research Refuge in Laurel, Maryland. Click here for an workshop description and agenda. Click here for a registration form.
- **March 24th from 9am-4pm:** Wonders of Wetlands (WOW!) training held at the Frederick County Public Schools Administrative Complex. Cost is \$25. For more information or to register, visit Environmental Concern's website at www.wetland.org or call 410.745.9620.
- **March 24th at 10am:** The New Forest Society Spring meeting at the UCC Fellowship Hall, West Main Street, Emmitsburg. For additional information or directions, call 301.271.4459 .

- **March 24th at 1pm:** Work session at Waterford Park - Volunteers will clear dead honeysuckle and rose from the woods edge by the paved path in Waterford Park and mark spots for seedlings to be planted during the April 14th work session. For additional information, contact Ginny Brace at 301.682.6135 or ginny4ftp@aol.com
- **March 28th at 9:30am:** Planting event with the Maryland Chapter of the American Chestnut Foundation at the Monocacy DNR Orchard. Please let us know if you plan to come. The RSVP can be made either by email at mdchapter@acf.org or telephone 301.639.8491 (cell). Please include your contact info. There is a lot of work in organizing for a planting, and it helps to know how many people to expect. We will reply with orchard directions.

Lunch: Sandwich makings, chips and drinks for lunch will be provided. If you would be willing to help with providing lunch please indicate that in your RSVP.

What to wear/bring: Please dress for the weather with extra layers and sun/rain protection. Plan to be outdoors for the entire time. Bring protective work gloves if you have them. Slivers from stakes that hold the tree tubes can be a problem. If you have a garden trowel and/or an exacto knife it may be helpful if you bring it

- **March 29th at noon:** Of Rice & Rails: The delicate ecology of wild rice marshes on the Patuxent River presented by Greg Kearns, Patuxent River Park, Croom, MD - Greg Kearns, a MNCPPC naturalist for over 25 years at Patuxent River Park in Croom, MD is an accomplished photographer, expert birder, and a renowned authority on the Sora Rail (that elusive bird of the marshes) and wetland ecology at Jug Bay. Jug Bay is a component of Maryland's Chesapeake Bay National Estuarine Research Reserve (CBNERR). Greg's interest in the secret life of Sora Rails began in 1987 at Jug Bay and led to ground-breaking research that found answers to those life-history questions through improved trapping techniques (banding more than 4,000 rails), digital sound, and radio telemetry. At their peak in 1998, he banded 1,300 rails; by the year 2000, only 100. He and USGS biologist Mike Haramis linked the decline of the rails to the vanishing stands of wild rice (95% decline) they observed during the same period, and realized "something has to be done." Grants From NOAA and MD-DNR funded a study that turned into a full scale restoration effort once the culprit was discovered; resident Canada geese grazed 1-2 pounds of wild rice/day per bird, and whose population was increasing 15% per year during the 1990s.

As a result of a goose management plan Greg coordinated by involving public landowners at Jug Bay and the physical installation of four miles of fencing to keep geese out of wild rice plots, there has been a dramatic recovery. Today the wild rice has recovered close to the amount there twenty years ago. Will Sora numbers increase as well? How have other waterfowl been affected? "It's a very delicate balance," Greg says. "There's nothing in wetlands more productive and nutritious than stands of wild rice for seed-eating migrant birds ." Greg will share his slides and stories on nature's delicate balancing act.

Talk will be held at the Maryland Department of Natural Resources, C-1 Conference Room, Tawes Office Building, 580 Taylor Avenue, Annapolis, Maryland.

- **March 31st from 9am-1pm:** Help Beautify Mt. Airy Parks and Improve Stream Health - Welcome the Spring and join neighbors and friends to help plant 650 native trees and shrubs in Village Gate and East West Parks. Bring gloves, a shovel, water and a bag lunch. Wheelbarrows or garden carts will help spread mulch if you have either handy. Learn about native trees and shrubs and other ways that you can help improve the health of our streams. Event will proceed rain or shine. Contact Patty Williamson at patty.williamson@adelphia.net or Kay Schultz at kschultz@fredco-md.net for additional information.
- **March 31st at 9:30am:** Planting event with the Maryland Chapter of the American Chestnut Foundation at the Fox Haven Orchard near Jefferson. Please let us know if you plan to come. The RSVP can be made either by email at mdchapter@acf.org or telephone 301.639.8491 (cell). Please include your contact info. There is a lot of work in organizing for a planting, and it helps to know how many people to expect. We will reply with orchard directions.

Rain date for the planting will be the next day (Sunday) at 12:30. Sunday may also be a continuation day if planting is not completed the first day. Do not come on Sunday without confirming work day by email or phone.

Lunch: Sandwich makings, chips and drinks for lunch will be provided. If you would be willing to help with providing lunch please indicate that in your RSVP.

What to wear/bring: Please dress for the weather with extra layers and sun/rain protection. Plan to be outdoors for the entire time. Bring protective work gloves if you have them. Slivers from stakes that hold the tree tubes can be a problem. If you have a garden trowel and/or an exacto knife it may be helpful if you bring it.

- **March 31st at 1 pm:** Waterford Park work session - Volunteers will place stakes at the spot for shrubs, wildflowers and trees at the woods edge by the paved path. For additional information, contact Ginny Brace at 301.682.6135 or ginny4ftp@aol.com

April 2007

- **April 1st:** Application deadline for River Restoration Grants from the American Rivers-NOAA Community-Based Restoration Partnership - American Rivers is seeking proposals for community-based river restoration grants as part of its partnership with the National Oceanic and Atmospheric Administration (NOAA) Community-Based Restoration Program. These grants are designed to provide support for communities that are utilizing dam removal or fish passage to restore and protect the ecological integrity of their rivers and improve freshwater habitats important to migratory (diadromous) fish. Grants will be limited to projects in the Northeast, Mid-Atlantic, Northwest and California. (i.e., Northeast Region = ME,

VT, NH, MA, RI, & CT; Mid- Atlantic Region = PA, NJ, NY, DE, MD, DC, & VA; Northwest Region = OR, WA, & ID. Note: in the NW region, projects located in interior OR, WA, ID will receive selection preference).

Eligible groups will demonstrate how their project: (1) will in a measurable manner successfully restore anadromous fish habitat, access to existing anadromous fish habitat, or natural riverine functions; (2) is the correct approach, based on ecological, social, economic, and engineering considerations; (3) will minimize any identifiable short- or long-term negative impacts to the river system as a result of the project; (4) has had community involvement in project decision making and may have community involvement in the implementation; and (5) will have the potential for public outreach and education. Grants to assist in the technical application of fish passage or dam removal are non-renewable, meaning that successful applicants will be not be eligible to receive funding in future grant rounds for the same phase of a project (see Funding Guidelines for details).

Applications for projects need to be postmarked by the deadline for consideration for the funding cycle. Potential applicants should contact American Rivers to discuss potential projects prior to submitting an application. We expect to notify applicants about funding by mid-June 2007.

For a complete application and eligibility guidelines, see attached documents, go to the American Rivers web site www.americanrivers.org/NOAAGrants, or contact the address below.

For more information on the NOAA Community-Based Restoration Program and its partners, please visit http://www.nmfs.noaa.gov/habitat/restoration/projects_programs/crp/index.html

For more information contact: Serena S. McClain, American Rivers, 1101 14th Street, NW Suite 1400, Washington, DC 20005, Email: rivergrants@amrivers.org

- **April 2nd:** National Fish and Wildlife Foundation's Small Watershed Grant Proposals are due. For more detailed information and application materials please visit: www.nfwf.org/programs/chesapeake/index.cfm

Please contact Amanda Bassow (amanda.bassow@nfwf.org) or Brian Kittler (brian.kittler@nfwf.org) at the Foundation for more information on the proposal application process.

- **April 2nd from 10:00am-2:30pm:** Forest Legacy Assessment of Need & Forest Conservation Goal Setting Regional Meeting at Allegany Community College. Rm. CE8 (Continuing Education Building) See the Campus map at <http://www.ac.cc.md.us/tour/> From I-68, take exit 44 Willowbrook Rd./MD-639/US-40 South approximately 1 mile. Make a left at the college entrance. Click here for a flyer with more information and the agenda.

- **April 5th at 5 pm:** Waterford Park work session - Volunteers will place stakes at the spot for shrubs, wildflowers and trees at the woods edge by the paved path. For additional information, contact Ginny Brace at 301.682.6135 or ginny4ftp@aol.com
- **April 7th from 9am-12pm:** Civil War Preservation Trust Park Day Cleanup at the Monocacy National Battlefield. Contact Brett Spaulding at 301.662.3515 or Brett_Spaulding@nps.gov.

The site can accommodate over 100 volunteers. Site may not be suitable for young children, elderly, or disabled volunteers. Restroom facilities available. Directions to Monocacy National Battlefield: The Battlefield Visitor's Center is located on Route 355, between Frederick and Urbana. The address is 4801 Urbana Pike, Frederick, MD 21704. Call for more specific directions.

- **April 12th from 8:15am-4:30 pm:** Geosynthetic BMPs for Stormwater Management in College Park, MD. [Click here for a flyer for more information.](#) [Click here for the website.](#)
- **April 12th at noon:** Buried Floodplains and Old Mines: Understanding Legacy Agricultural Sediments in Maryland Valleys presented by Dr. Daniel J. Bain, University of Pittsburgh, Department of Geology and Planetary Science, Pittsburgh, PA - The origin and continued influence of legacy sediments in Maryland Piedmont valleys is an important consideration in the successful management of the Chesapeake Basin. Upland best management practices designed to limit sediment and nutrient inputs can quickly be compromised during remobilization of early agricultural deposits. In addition, valleys filled with legacy sediments can be poor buffers of nutrient inputs. However, post-European over-bank deposition is hard to reconstruct due to the short temporal coverage of conventional radiometric dating (e.g., Cs137 and Pb210) and biomarker deterioration during exposure to oxygen. This talk presents results of research conducted as part of the Baltimore Ecosystem Study (an LTER site) that utilizes a novel, regional sediment tracer: chromium mining waste. Maryland was the global source for chromium between 1820 and 1840. The associated mining activity introduced a sediment tracer to downstream systems during periods of rapid agricultural clearance. This tracer allows additional precision and control in reconstruction of floodplain sedimentation rates. We reconstructed sedimentation rates in a set of nested basins in western Baltimore County and found sedimentation occurred earlier than regional models suggest. These findings provide perspective on the causes and timing of valley sedimentation, as well as perspective on contemporary impacts to watershed processes, including nutrient retention and sediment yield. These results also illustrate the advantages of using the chromium tracer as a watershed analysis tool in Maryland, particularly as the tool can be applied in most Maryland western tributaries to the Chesapeake Bay. Talk will be held at the Maryland Department of Natural Resources, C-1 Conference Room, Tawes Office Building, 580 Taylor Avenue, Annapolis, Maryland.

- April 14th from 9am-1pm:** Monocacy Farm Stewardship Project Stream Buffer Restoration - Union Bridge, MD. Another water quality improvement project in the Monocacy Watershed! Volunteers will help restore 5,600' of streambank on a dairy farm by planting 1,000 native trees and shrubs in an area where the cows have been fenced out of the stream. Equipment, refreshments and tools provided. This project is ideal for individuals, families, and community service/youth groups. Project funders include: Chesapeake Bay Trust and the National Fish and Wildlife Foundation and the US Fish and Wildlife Service Partners Program. Project partners include: Natural Resource Conservation Service, Frederick County Soil Conservation District, Frederick County Department of Planning, MD-DNR Forest Service, Hood College, Thorpewood, New Forest Society, Federated Garden Clubs of Maryland, US Fish and Wildlife Service, Monocacy and Catoctin Watershed Alliance. For more information and directions, contact Marcy Damon at 443.482.2156 or email mdamon@cbf.org.
- April 14th at 9:30am:** Friends of Waterford Park and Potomac Conservancy are planting 200 1-2 yr. old seedlings donated by the Conservancy to Waterford Park. Most of the seedlings will go in near the confluence of Carroll and Rock Creeks. You can park on Rock Creek Drive off Baughman's Lane and come into the park. Even if you only have an hour or two, we'd love to have you join us. Contact Ginny Brace for more information or to volunteer: ginny4ftp@aol.com or 301.682.6135.
- April 14th from 2:30-5pm:** Step It Up Frederick 2007 - Frederick will be joining other communities nationwide to urge Congress to take action to reduce Carbon emissions by 80% by the year 2050. In addition to the national goal of cutting global warming pollution 80% by 2050, Step It Up-Frederick has some local goals specific to our region as well. The event will include a bike parade from Parkway Elementary School to the Carrol Creek Ampitheater starting at 2:30, speakers and music at the ampitheater, and then a showing of "An Inconvenient Truth" slideshow presentation at the C. Burr Artz library. Events will be wrapped up by 5:00 PM. For more information, please visit the website.
- April 19th from 4-6pm:** Smart Growth Forum with Four Secretaries - We want YOU to be a part of the discussion of the issues that shape your everyday life! Please join us for an important conversation with:

Secretary Richard Hall Department of Planning
 Secretary Shari Wilson Department of Environment
 Secretary John Porcari Department of Transportation
 Secretary John Griffin Department of Natural Resources

Learn how their agencies are planning to deal with the pressures of growth in our state. Following their presentation will be a moderated discussion. Be part of the action with 1000 Friends of Maryland! Forum to be held at the University of Baltimore Business Center, M. Scot Kaufman Auditorium, N. Charles St & W. Mt. Royal Ave. Click here for registration and directions

- **April 21st from 8:45am-noon:** Reforestation, Riparian Forest Buffers and Their Influence on the Health of our Waterways and the Chesapeake Bay - part of the Forestry 101 Lecture Series. Come to the Stronghold Property and learn how to develop a planting plan, determine which trees and shrubs to plant, and how to plant them. Available programs that are designed to enhance the health of our waterways and the Chesapeake Bay will be reviewed. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form.
- **April 21st at 9am:** Earth Day weekend with the Friends of Waterford Park volunteers will get rid of the dead honeysuckle & other invasives that were sprayed last summer along 400' of paved walking path. We will plant shrubs and native perennials to make a beautiful woods edge. Contact Ginny Brace for more information or to volunteer: ginny4ftp@aol.com or 301.682.6135.
- **April 21st 7am-12pm:** Frederick County Government, Potomac Conservancy, DNR Forest Service and other partners are sponsoring a volunteer tree planting at the new Utica Park in Thurmont, MD. Come prepared to get dirty. Wear boots and gloves if you have them. Contact Shannon Moore at 301.600.1413 or smoore@fredco-md.net for more information. The address for Utica Park is 10200-B Old Frederick Road, Thurmont, MD 21788. The planting is from 7AM until noon or whenever all the trees are planted. Refreshments will be provided. Please come prepared for muddy conditions and bring work gloves if you have them.
- **April 21st:** Fredrick County's annual Big Sweep Clean Up. More information is available on Volunteer Frederick's website.
- **April 21st-29th:** Chesapeake Bay Week presented by MPT - Join Maryland Public Television (MPT) for a week's worth of all things Chesapeake Bay - from food and art to wildlife and pressing environmental issues. Both children and adults will delight in over 20 hours of captivating and original programming that celebrated our national treasure, and even gives viewers a chance to donate volunteer hours to clean it up during MPT's first annual Chesapeake Bay Week Volunteer-a-thon. The full line-up of Chesapeake Bay Week programming is available at www.mpt.org/bayweek. For more information on MPT visit www.mpt.org. For this and other press releases, visit the MPT pressroom at www.mpt.org/pressroom. Highlights of this year's Chesapeake Bay Week include:

Tuesday April 24th at 7:30pm: A special edition of MPT's award-winning Outdoors Maryland, Hidden Rivers - the show will explore the little-known impact of Maryland's storm water runoff - chemicals, petroleum products, and other pollutants from paved surfaces, that eventually make their way into the bay.

Tuesday April 24th at 10:30pm: Independent Lens: Muskrat Lovely documents the wild works of muskrat skinning and the Miss Outdoors beauty pageant at the annual National Outdoors show in Golden Hill, Maryland.

Wednesday April 25th at 8:30pm: Jamestown: The Buried Truth - a closer look at the first permanent British colony in the New World as archeologists recount major discoveries that provide a more complete story of what really happened at Jamestown.

Wednesday April 25th at 10:30pm: EcoViews: Chesapeake Bay - a collection of short films about the Chesapeake Bay watershed by graduate students at American University's Center for Environmental Filmmaking

- **Sunday April 22 at 2pm:** Earth Day weekend with the Friends of Waterford Park volunteers will get rid of the dead honeysuckle & other invasives that were sprayed last summer along 400' of paved walking path. We will plant shrubs and native perennials to make a beautiful woods edge. Contact Ginny Brace for more information or to volunteer: ginny4ftp@aol.com or 301.682.6135.
- **April 25th at 5pm:** Upper Potomac Trib Team meeting at the Mt. Aetna Nature Center. [Click here for the agenda and directions.](#)
- **April 26th at 2pm:** The Grand Opening of Utica Park. The public is invited to attend. This is a press event. The Frederick County Commissioners will each plant a tree
- **April 28th:** 9th Annual Native Plant Sale at the Audrey Carroll Audubon Sanctuary - Sale takes place rain or shine with a terrific selection of plants -- garden favorites as well as those that are harder to find. There will be plenty of information on selecting and caring for the plants. More information to come!
- **April 28th:** Arbor Day weekend tree shelter removal at the Monocacy Natural Resource Management Area (NRMA). If you'd like to volunteer, contact the Alliance for the Chesapeake Bay at 410.377.6270 x 18 or kdowling@acb-online.org. This project is funded by the Maryland Department of Natural Resources.

May 2007

- **May 4th:** Deadline to submit a pre-proposal for the Chesapeake Bay Trust Pioneer Program – The Chesapeake Bay Trust is accepting pre-proposals for requests up to \$150,000 for the Pioneer Grants Program. This grant program is designed to encourage and promote innovative ideas, creative partnerships, and cutting-edge projects that advance Bay restoration, focusing on best management practices in agriculture and land development that reduce nutrient and sediment pollution.

Potential applicants are strongly encouraged to contact Jana Davis (410) 974-2941 Ext. 5 before applying.

For more information, visit the Trust website at www.chesapeakebaytrust.org or http://www.cbtrust.org/site/c.enJIKQNoFiG/b.2028497/k.5880/Pioneer_Grant_Program.htm

- **May 5th from 8:45am-12pm:** Invasive Weed Species Control - part of the Forestry 101 Lecture Series. Come to the Extension Office to learn how to identify and control invasive weed species. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form.
- **May 9th from 12-2 pm:** Stormwater Webcast - Social Marketing: A Tool for More Effective Stormwater Education and Outreach Programs. Join us for what surely will be the most entertaining webcast of the year. Noted expert Nancy Lee will discuss the concept of social marketing and how it can be used in the stormwater program to encourage citizens to adopt stormwater-friendly behaviors. Nancy will present ten social marketing principles that you can put to use in your education and outreach programs. Jack Wilbur, author of the recently published "Getting Your Feet Wet With Social Marketing: A Social Marketing Guide for Watershed Programs," will join us to discuss several case studies and lessons learned from watershed outreach campaigns. To register for this webcast, please visit www.epa.gov/npdes/training
- **May 10th at noon:** A History of the Rise and Decline and Fall of the Brookie Empire presented by Dr. Raymond P. Morgan II, University of Maryland Appalachian Laboratory, Frostburg, MD - Historically, Maryland contained significant pre-colonial native brook trout populations. But now, only remnant, highly fragmented and disjunct populations occur throughout the state. These relict brook trout populations, evolved in the Pleistocene, are highly vulnerable to anthropogenic stresses, and many may become extinct in the near future. Employing primarily Maryland Biological Stream Survey (MBSS) data, the effects of various stressors on Maryland brook trout populations were investigated. Combining GIS with MBSS data sets and landscape-based characteristics, including watershed impervious surface, road density, roads near streams, forest fragmentation, and other potential stressors were examined to determine effects on stream community structure. Brook trout population fragmentation and compression, exotic species effects, and stream connectivity are major threats to the continued existence of brook trout in Maryland. Native brook trout populations in many watersheds are becoming more and more restricted to headwaters, with resulting detrimental effects on population connectivity and potentially genetic structure. The looming problem of global climate warming is likely to be further restricting the distribution of brook trout in its native range. Talk will be held at the Maryland Department of Natural Resources, C-1 Conference Room, Tawes Office Building, 580 Taylor Avenue, Annapolis, Maryland.
- **May 12th from 8am-12 noon:** Residential Household Hazardous Waste Dropoff Day - The Department of Solid Waste Management will sponsor the collection day at the Public Safety Training Facility on Reichs Ford Road. Note that pharmaceuticals are now acceptable items for drop-off at HHW events. Click here for a flyer with additional information and a list of other acceptable items.

- **May 12th from 9am-2pm:** Rain garden planting at the Brook Hill United Methodist Church (8946 Indian Springs Road, Frederick.) The church is located at the intersection of Yellow Springs, Indian Springs and Hamburg Roads, at the base of the Municipal Forest in the Tuscarora watershed. Funding for the rain garden provided by a grant from the Chesapeake Bay Trust along with a contribution from the church. Partners include MetzScapes, providing site preparation, design planning and installation support, and Envirocycle, makers and donators of Rhimax, a fully-degradable %100 recycled paper landscape barrier. The rain garden site is approximately 1000 square feet and will be planted with a combination of native trees, shrubs and herbacious perennials. Rain date is May 19. For more information contact Bonnie Duggan 301-471-1667.
- **May 17th from 6:45-9pm:** The Role of Fire in Forest Management - part of the Forestry 101 Lecture Series. Come to the Extension Office to review using fire as a forest management tool. Forest fires and safe debris buring techniques will also be reviewed. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form.
- **May 18th:** Bike to Work Day - TRANSIT invites you to participate in this annual event that will bring area commuters together to promote bicycling to work as a healthy alternative to drive-alone commuting, lessening traffic congestion and improving air quality. There will be 25 “pit stops” in communities in the National Capitol region, including one in Frederick at the Transit Center (East Street MARC train station). The Frederick pit stop will offer free food, promotional items, helmet checks and tune-ups provided by the Bicycle Fix, as well as a chance to win a bicycle donated by the Bicycle Escape. Local officials and bicycle enthusiasts will be on hand at the Transit Center to participate in the celebration from 6:30 am – 8:30 am. Click here for additional information.
- **May 19th:** Upper and Middle Potomac Trib Team paddle on the Monocacy River. Click here for more information.
- **May 19th at 7pm:** Dr. Margaret Lowman - International Canopy Researcher to speak at Garrett College McHenry, MD. Dr. Lowman will be at the Discovery Center at Deep Creek Lake State Park from 3:00 – 4:30 pm for a book signing and community social.

Meg Lowman (aka Canopymeg) is the Director of Environmental Initiatives at New College, the premier honors college for the State of Florida, with professorships in biology and environmental studies. Meg has developed an expertise for the use of different canopy access techniques, including ropes, walkways, hot air balloons, construction cranes, and combinations of these methods. She frequently speaks about her jungle adventures and about rain forest conservation to educational groups, ranging from elementary classes to corporate executives to international conferences. She received the Margaret Douglas Medal for Achievement in Conservation

Education from the Garden Club of America (1999), The Eugene Odum Prize for Excellence in Ecology Education from the Ecological Society of America (2002), election to Leadership Florida (1997), serves on Board of Directors for the Explorers Club, and is part of the senior management team of NEON for the National Science Foundation. Carolyn Shoemaker of the US Dept of the Interior named an asteroid after her (2003). She co-chaired the First and Second International Conferences on Forest Canopies (1994, 1998), and was chief scientist for the Jason Project in Education (1995,1999, 2004).

Dr. Lowman has authored several books about her research and experiences including “Forest Canopies”, “Life in the Treetops” and “It’s a Jungle Up There: More Tales from the Treetops”.

Please come join us for this unique opportunity!

For directions to the book signing at the Discovery Center at Deep Creek Lake State Park, see <http://www.dnr.state.md.us/publiclands/western/deepcreeklake.html>

For directions to Garrett College visit <http://www.garrettcollege.edu/about/directions.html>

- **May 21st-23rd:** DNR staff will conduct MBSS training and testing for the Summer Index Period at New Germany State Park in Garrett County. Click here for direction and information on lodging (cabins or camping) within the Park. Please note that you're on your own for lodging. On May 21st, you'll have the opportunity to learn and review fish, herpetofauna, crayfish, exotic plant and mussel taxonomy. This instruction will help attendees work on individual weakness and prepare for the fish taxonomy test. Taxonomic experts will provide hands-on assistance and taxonomic review as required. Please bring your own waders. Coffee, pastries, lunch and dinner will be provided each day of the training (no dinner May 23rd). The cost for the three day training session is \$80 per person. The registration deadline is May 14th. Click here for a flyer with additional information.
- **May 21st-22nd:** Stormwater Workshop - Charleston, WV - Join us for a two-day workshop designed specifically for MS4 managers and staff. This workshop will focus on developing effecting municipal construction and post-construction programs. In-depth sessions will explore successful approaches to construction site management. We will also focus on integrating Smart Growth and Low Impact Development techniques into municipal post-construction programs. The workshop will include presentations by nationally-recognized experts, successful case-studies implemented by local leaders, and more. To register for this workshop, visit www.epa.gov/npdes/training

June 2007

- **June 2nd from 8:45am-noon:** Forest Management from the Wildlife Perspective and Forest Ecology - part of the Forestry 101 Lecture Series. Come to the Stronghold Property to learn about practices that affect wildlife and how to use forestry to enhance wildlife. Factors that influence the kinds of trees, plants, and wildlife present in a forest will also be reviewed. Pre-registration is required. Cost for one lecture is \$10 or \$75 to attend all nine lectures. Click here for a flyer and registration form
- **June 2nd-10th:** If you love rivers, you'll love National River Cleanup Week. During this week we hope you will pitch in to protect your favorite river, creek or stream by organizing a local cleanup or volunteering to help! After 15 successful years, our good friends at America Outdoors have asked us at American Rivers to take over the reins of National River Cleanup Week. As the nation's leading advocate for healthy rivers since 1973, American Rivers is excited to expand this popular and successful river protection program to even more watersheds, in many more communities. Get details below or visit: www.nationalrivercleanup.org. Remember, when we all pitch in, America's rivers win!
- **June 6th-10th:** Potomac River Ramble Sojourn - Registration is open for the first Potomac River Ramble of the year to be held from June 6 - 10, 2007! The 2007 Potomac River Ramble Series will begin with a four-day voyage from National Conservation Training Center near Shepherdstown, W.Va., to the Tarara Winery near Leesburg, Va. The group will assemble in Shepherdstown on the evening of Wednesday, June 6, begin the following morning, and arrive at Tarara Winery on Sunday afternoon, June 10. The June Ramble will start from Shepherdstown, WV and run to Tarara Winery near Leesburg, VA.

This Ramble's activities will include:

Joining up with the Shenandoah Sojourn in Harper's Ferry
 Riparian tree ID and ecology
 Fish seining
 Riverside camping and cookouts
 Attending the Potomac River Family Fest in Brunswick, Md
 Meetings with local public officials
 Historical interpretive presentations
 Wine tasting at Tarara Winery
 Musicians
 And more..!

Click here for more information and registration -
<http://www.potomacriver.org/ramble.htm>

- **June 9th from 10am-2pm:** National Trails Day - Let's join together with others across the country on this annual celebration day of trails at the Strawberry Hill Nature Center at the Strawberry Hill Nature Center. We will be giving our trails some much needed attention. Lunch, water and thank you gifts are provided to all

volunteers! Free official NTD t-shirts to the first 15 registered participants. Register by June 7 (for food count). Click here for directions.

- **June 12th at 12pm:** MANTA noon seminar at the Tawes Building in Annapolis - NOVEL MULTI-METRIC ASSESSMENT SYSTEMS FOR EUROPEAN RIVERS IN LINE WITH THE WATER FRAMEWORK DIRECTIVE: THE ROLE OF STRUCTURAL AND FUNCTIONAL COMMUNITY COMPOSITION OF RIVERINE BENTHIC MACRO-INVERTEBRATES presented by Dr. Christian K. Feld, University of Duisburg-Essen, Germany

Synopsis: The European Water Framework Directive (WFD) issued in 2000 led to a paradigm change in European water research and management. For the first time, a directive has set the framework for integrative river basin management and river quality assessment, the latter to be mainly focused on and derived from biological quality elements. This major requirement initiated multiple research and development activities in order to develop novel approaches in river assessment to meet the demands of the WFD all over Europe.

The new assessment approaches and tools can be divided into two major groups taking i) structural attributes and ii) functional attributes of the riverine benthic macro-invertebrate community. Structural attributes refer to the taxonomical structure, i.e. specific taxa, taxa numbers of sensitive taxa or the composition of the community. Functional measures, in contrast, refer to the function of macroinvertebrate communities in rivers, i.e. the role or niche they play and occupy, respectively. Typical examples of functional attributes are functional feeding types of riverine macro-invertebrates, their habitat or current preferences.

In order to investigate the relation of benthic macro-invertebrates to environmental gradients in Central European lowland rivers, the taxonomic structure and functional composition were related to gradients at four different spatial scales (ecoregion, catchment, reach and site). The environmental variables at the catchment-, reach- and site scales reflected the intensity of human impact: catchment and floodplain land use, riparian and floodplain degradation, flow regulation and river bank and bed modification.

Multivariate statistics identified clear environmental gradients along the two main gradients, namely, land use and hydromorphological degradation. The impact of catchment land use on benthic macroinvertebrates was mainly revealed by the proportion of urban areas. At the reach scale, riparian and floodplain attributes (bank fixation, riparian wooded vegetation, shading) and the proportion of large woody debris were strong predictors of the taxonomic structure and functional composition of benthic macroinvertebrates. At the site scale, artificial substrata indicated human impact, particularly the proportion of macro- and mesolithal used for bank enforcement (rip-rap). The study revealed the importance of benthic macroinvertebrate functional measures (functional guilds, sensitivity and tolerance

measures, diversity measures) for detecting the impact of hydromorphological stress at different spatial scales.

Directions to the Tawes Building are on the Internet:
<http://www.dnr.state.md.us/map.html>

- **June 14th at 12pm:** MANTA noon seminar at the Tawes Building in Annapolis - SCORPAENIFORMS, SCULPINS, SPECIATION, AND SEX presented by Dr. Richard Raesly, Biology Department, Frostburg State University, Frostburg, MD

Synopsis: Freshwater sculpins in the genus *Cottus* are often the most abundant fishes in small streams throughout much of the northern hemisphere. Despite their abundance, these fishes have received little attention by aquatic biologists. Cottids are the freshwater descendants of marine ancestors, with evolutionary relationships in the group poorly understood. Five distinct linkages have recently been recognized on the basis of molecular data. Taxonomy at the species level is often poorly resolved. Although fewer than 50 species have been described from North America, the number is estimated to be at least 200. These fishes are an ideal model for the study of evolutionary process, ecology, and mate choice. An overview of sculpin biology will be presented, followed by a discussion of current research on this interesting group of fishes.

Directions to the Tawes Building are on the Internet:
<http://www.dnr.state.md.us/map.html>

- **June 20th at 10pm:** Modern Marvels: Fertilizer on the History Channel - without it two thirds of the world would starve. It makes our lawns grow greener and our crops grow taller. Take a tour of the places where the essential nutrients that feed the soil are harnessed. Dig deep in a phosphate mine, sniff around a sewage treatment plant and get dirty in a trough teeming with seven million worms. Finally, learn about a war that was fought over the control of bat poop!
- **June 21 from 8-9:30pm:** Summer Solstice Walk - Experience the turning of the seasons as we take a relaxing hike into deep forest at the Strawberry Hill Nature Center. Register by June 20. Members free; non-members \$3. Click here for additional information.
- **June 30th from 9am-noon:** Frederick County Landowner Workshop - Come learn about different resources for Frederick County landowners, small lot farming techniques and programs, wetland opportunities, and more. The workshop will be held at Kempton Park. Click here for a copy of the agenda. Click here for a flyer with more information. RSVP by June 25th.

July Events

- **July 11th:** Illicit Discharge Detection and Elimination (IDDE) 201 - Building on last year's introduction to IDDE, Jennifer Zielinski of the Center for Watershed Protection will discuss the field and lab methods necessary to conduct IDDE investigations. Click here for more information.
- **July 12th at 6pm:** Local Action and Chesapeake Bay Restoration - Join a discussion with Jeff Lape, the new Director of The Chesapeake Bay Program, sponsored by Maryland's Tributary Teams

Location: Maryland Department of the Environment, Aqua Meeting Room (lobby level), 1800 Washington Blvd, Baltimore, MD 21230 - (Push button upon entering visitor's parking lot; photo I.D. required)

Seating Limited: Register via email by July 10th to LaVon Boston at lboston@dnr.state.md.us

Directions coming South: Take I-95 South. Go through the Fort McHenry Tunnel. Exit at Exit 53 (I-395/Martin Luther King Boulevard). Follow signs to Martin Luther King Boulevard to the right. Get into the left lane after exiting. At the first traffic light, make a left onto Washington Boulevard. Follow Washington Boulevard for approximately one mile. Cross over Monroe Street. Make a right into the Red parking lot.

Directions coming North: Take I-95 North. Exit at Exit 51 (Washington Boulevard). At bottom of the Exit ramp, make a left onto Washington Boulevard. Turn left onto the Red parking lot.

- **July 16th at 7pm:** The Maryland Small Farm Cooperative, a group of producers with small farm enterprises throughout Maryland, will be showing the award winning documentary, 'Organic Frederick', at the Frederick County, Maryland Cooperative Extension, 330 Montevue Lane, Frederick.

The event, 'Local Connections', is free and the public is encouraged to attend. The emphasis of the evening will be on establishing connections between local farm producers and consumers.

For more information, please contact Andy Highland at wwmfarm@fred.net or call 301.845.2614 (please leave a message for a return call).

- **July 18th-19th:** Green-Blue Summit: Clean Water through Residential Integrated Pest Management - Register online at <http://NortheastIPM.org/greenbluesummit.cfm>

Are you interested in the connections between residential pest management, nutrients, and water quality? Then plan to attend the "Green-Blue Summit," July 18-19, 2007, at the Great Valley Conference Center near Philadelphia. This event will focus on

integrated pest management (IPM) and nutrient management in turf and structural settings.

THE PROGRAM will feature experts speaking about risk management, communicating science to the public, ecological approaches to landscaping at the water's edge, marketing the message, and an IPM-water quality success story. Turf workshops will focus on the water quality impacts of urban horticulture, and participants will work together to create simple messages for educating the public and changing behavior. Structural workshops will be highly interactive as participants identify and prioritize research and outreach needs. There will be many opportunities for participants to network, including an evening social at the internationally renowned Longwood Gardens. Click here for the announcement (pdf) or visit the website for a full description of the event.

PARTICIPANTS will include decision-makers interested in the connections between water quality and the management of pests in residential settings, as well as those who can make an impact by sharing key messages with the public. The summit will draw municipal and community leaders, consultants, and those affiliated with Extension organizations, federal and state agencies, municipal water authorities, landscape and turf care service companies, structural pest management companies, nongovernmental organizations, universities, and lawn and home care product manufacturers, wholesalers, and retailers.

REGISTER ONLINE BY JUNE 14. A registration fee of \$220 will cover the full program, meals, proceedings, and an evening at Longwood Gardens. Space is limited. Register at the Green-Blue Summit website: <http://northeastipm.org/greenbluesummit.cfm>. For more information, contact Mary Kay Malinoski (mkmal@umd.edu).

- **July 19th from 1-3 pm:** Monocacy & Catoctin Watershed Alliance meeting in the Community Room at the Common Market. For more information contact Kay Schultz at kschultz@fredco-md.net or 301.600.1741. Click here for directions to the Common Market.
- **July 25th from 5-7pm:** Upper Potomac Tributary Meeting - Theme: "Bay Restoration Fund Brings New Resources to Frederick County"

This theme was chosen by participants at the May meeting, so that the team can keep abreast of septic issues. Frederick County received one of the first large Bay Restoration grants to fund septic upgrades. Speakers will talk about septic systems in general – functions, operations, maintenance, etc. -- and "trouble" spots in Frederick County, where known failures have occurred.

Speakers are:

1. MDE Bay Restoration Fund staff, Jay Prager or Mary Dewa

2. Kristin Mielcarek, Canaan Valley Institute, will talk about the grant CVI and Frederick County received for septic upgrades
3. Frederick County Health Department (tbd)

Location: Winchester Hall, 12 East Church Street, Frederick (in historic district). Winchester Hall is the county government building—Greek revival style with large white columns in front.

August 2007

- **August 15th 9am-2pm:** Conservation Tour - sponsored by the Catoctin Soil Conservation District. The bus tour will visit conservation sites in the Catoctin Creek watershed including a dairy farm, a beef farm and an urban site in which best management practices have been used to control erosion and storm water. For further details about the tour contact the Soil Conservation District at 301.695.2803 extension 3 or mark.seibert@md.usda.gov
- **August 25th from 9am-12pm:** Growing Native Ambassadors Training - Volunteers Needed! Location: Audubon Naturalist Society, Woodend Sanctuary: 8940 Jones Mill Road, Chevy Chase, MD 20815

Nature lovers, find out about becoming a Growing Native Ambassador!

Ambassadors organize and lead seed collection events in their communities and educate others about this important conservation project. They are trained to identify native trees and their seeds. Ambassadors help to create healthy environments in their communities by improving water and air quality today and creating forests for tomorrow. Becoming an ambassador is easy! Trainings are fun, free, and informative. Join the Growing Native program by becoming an ambassador and contribute to the legacy of maintaining and improving water quality and providing wildlife habitat. Go ahead...GET NUTS!

Growing Native was started in 2001 as a project of the Potomac Watershed Partnership and is managed by Potomac Conservancy. The Conservancy works to protect the health, beauty, and enjoyment of the Potomac River and its tributaries.

For more information on this and upcoming trainings and events contact: Colleen Langan, Growing Native Project Director, Email: langan@potomac.org, Phone: 301.608.1188, ext.211, Or visit <http://www.growingnative.org>.

September 2007

- **September 5th:** Post-Construction 201 - Continuing our discussion from last year, this webcast will advance the discussion of important stormwater concepts including smart growth, low impact development, design standards, and the interactions of the

stormwater program with local zoning and land use patterns. Click here for more information.

- **September 7th:** Grant deadline for GREEN-BLUE GRANTS PROGRAM: CLEAN WATER THROUGH RESIDENTIAL IPM - The Northeastern IPM Center is launching the Green-Blue Grants Program to promote clean water through residential integrated pest management. We will fund projects focused on educating residents of the Northeast about how using IPM in residential structures and landscapes can affect water quality. This education can take place through workshops, promotional materials, and other methods. Project ideas should tie to ideas articulated at the July 2007 "Green-Blue Summit" -- see <http://NortheastIPM.org/greenbluesummit.cfm>

ELIGIBILITY: This program is open to nongovernmental agencies, Cooperative Extension educators or county agents, land grant faculty and staff, eligible government staff, and private citizens who will be in contact with receptive audiences. Applicants must be based in a northeastern state or the District of Columbia.

AVAILABLE FUNDING: The maximum amount of money awarded will be \$2,500 per applicant. Total funds available for this grants program: approximately \$10,000.

HOW TO APPLY: For details on how to apply, see the Request for Applications at <http://northeastipm.org/greenbluesummit.cfm#rfa>

- **September 10th:** Point, Shoot, Click: Enter The 2007 Natural Resources Photo Contest - Entries are now being accepted for the 2007 Maryland Natural Resource Photo Contest. Sponsored by Ritz Camera Centers, Boater's World Marine Centers and Maryland Public Television, the contest runs through September 10, 2007. Photographers can win a share of over \$1,000 in prizes along with a chance to have their images published in print and online. Winning entries will be featured in the winter issue of The Maryland Natural Resource magazine and the 2008 DNR calendar. Learn more at <http://www.dnr.maryland.gov/photocontest>
- **September 15th-22nd:** The Great Frederick Fair - Stop by the Monocacy & Catocin Watershed Alliance Booth located in the City Streets, Country Roads Building (Bldg # 44 on Machinery Row). The booth includes demonstration rain barrel exhibit, rain gardens with native plants, pervious pavers display, and a variety of exhibits and information on conservation resources and watershed restoration projects in the area. Come meet neighbors, see the variety of activities and resources available to landowners in Frederick County.
- **September 16th at 4pm:** Friends of Waterford Park "Open House" - It will be held at the Meadowdale Lane entrance. There will be tours and special recognition of tree donors. For additional information please contact Ginny Brace at Ginny4FTP@aol.com

- **September 17th from 1-3pm:** Master Gardener Earlene Duncan will offer a presentation and discussion on Rain Gardens at the Farm and Garden Building, 14A
- **September 19th from 12-2pm:** Luncheon and Panel Discussion about the Role of Collaboration in Stormwater Management held at the Washington Suburban Sanitary Commission (WSSC), 14501 Sweitzer Lane, Laurel, MD. Seating is limited so reply soon to stormwater@resolv.org. Click here for a flyer with information about the topics of discussion. Click here for a map and directions to WSSC.
- **September 22nd from 10am-5pm:** Geocaching Event at Strawberry Hill Nature Center - Interested in GPS and geocaching? The Maryland Geocaching society will host their September Fall Picnic Event at Strawberry Hill! The event is open to anyone with an interest in geocaching, including all geocachers-first-timers, sometimers, rookies, or veterans-whether you hail from Maryland, Pennsylvania, or Timbuktu. New to the game? Just getting started? Come out and join the fun. There will be a meet and greet between 10am and 12noon, with lunch being served potluck. If you would like to tag-along with experienced geocachers, plan to come around 11am. Most people will be heading out by noon. GPS units are not provided. Free to members and non-members. For more information about geocaching, check out www.geocaching.com. The event is also listed at http://www.geocaching.com/seek/cache_details.aspx?guid=7c099609-25af-447d-adfd-e25ea2cf524d.
- **September 22nd from 2-4pm:** Water Quality Monitoring Training held at the Strawberry Hill Nature Center - Strawberry Hill has partnered with the Watershed Alliance of Adams County (WAAC), Adams County Conservation District, and the Adams County Chapter of Trout Unlimited to perform a study of Middle Creek. The partnership received a Coldwater Heritage grant to develop a baseline assessment of Middle Creek including surveys of in-stream insects such as mayflies, caddisflies and stoneflies, a survey of existing fish population, collection of water chemistry data, and an evaluation of the streamside habitat. We are kicking off the Middle Creek Assessment by holding training for new volunteers and a refresher course for our veteran volunteers on chemical monitoring of water quality (pH, nitrates, phosphates, temp) on September 22, 2007 at 2pm at Strawberry Hill Nature Center. Here is a link to the project summary <http://www.coldwaterheritage.org/grantinfo/2007Grantees/Middle.htm> If you haven't been to Strawberry Hill or the Middle Creek Watershed, this is a perfect opportunity! Please let me know of your interest to participate in this training or other aspect of the assessment such as the insect, fish, or habitat surveys. I hope to see you out and about. Please contact me with any questions.
- **September 22nd from 9am-1pm:** 2nd Annual Rubbish Roundup on Antietam Creek. Meet at the Funkstown American Legion Post #211. Click here for a flyer with information on what to bring and who to contact for more information.

- **September 26th from 7-9pm:** The Watershed Alliance of York County, PA is hosting a program titled "Global Warming: The Science and Impacts on Fish and Wildlife" at the Bass Pavilion in William Kain County Park near Jacobus (off of Rt. 81). Please RSVP either by calling 717.840.7430 or email gpeacock@yorkccd.org. For more information visit www.targetglobalwarming.org.

Background: In 2007 Gary Peacock, Watershed Specialist at the York County Conservation District, partnered with Ed Perry of the National Wildlife Federation on their global warming campaign. Gary's mission is to organize the hunting, angler and conservation communities of York County around the issue of global warming.

- **September 26th at 7pm:** Adams County Growth Trends - presented by the Adams County Office of Planning and Development. There are internal and external forces driving growth in Adams County. See what is happening now and what may be in the future of Adams County. This presentation is part of the Adams County Partnership for Land Use Education Fall Seminar Series. The seminar will be held at the Adams County Ag Center, 670 Old Harrisburg Road, Gettysburg. The seminar is free. [Click here for a flyer with additional information.](#)
- **September 26th at 7pm:** Green Living Forum presented by the Emmitsburg Business & Professional Association, Inc. and held in the Emmitsburg Town Office Meeting room. Come learn about waste management and recycling, water quality, environmental issues, and more. [Click here for a flyer with additional details.](#)
- **September 27th:** Maryland Groundwater Symposium presented by the Maryland Department of the Environment. [Click here for the agenda.](#) [Click here for the registration form.](#)
- **September 30th from 10am-12pm:** Growing Native Fall Seed Collection - Volunteers Needed for the Izaak Walton League Damascus Chapter: Damascus, Maryland seed collection.

Nature lovers, make a difference in your community by volunteering at Growing Native's seed collection event! Every fall, thousands of Growing Native volunteers collect native tree seeds such as black walnuts, acorns and poplar seeds. After one or two growing seasons, volunteers will then replant the trees grown from these seeds along stream banks and other areas in the watershed.

This seed collection event will host representatives from Potomac Conservancy, Izaak Walton League and MD Department of Natural Resources.

Collecting seeds is an important and fun way to improve the quality of life in our communities. "Anyone of any age can help by volunteering for Growing Native" says Colleen. "Make a difference by collecting native tree seeds this fall, come on out and bring a friend." Go ahead...GET NUTS!

For more information on this and upcoming events contact: Colleen Langan, Growing Native Project Director by Email: langan@potomac.org or Phone: 301.608.1188, ext.211 or visit <http://www.growingnative.org>.

October 2007

- **October 3rd at 5pm:** Upper Potomac Trib Team meeting at the Washington County Dept. of Water Quality, 16232 Elliott Parkway, Williamsport, MD. Click here to view the agenda. Click here to review the Stormwater Management Act of 2007. Click here to review the Core Environmental Design Principles for Implementation of the Stormwater Management Act of 2007.
- **October 7th from 10am-12 pm:** Growing Native Fall Seed Collection - Volunteers Needed for the Izaak Walton League Bethesda Chevy Chase Chapter: Poolesville, Maryland seed collection.

Nature lovers, make a difference in your community by volunteering at Growing Native's seed collection event! Every fall, thousands of Growing Native volunteers collect native tree seeds such as black walnuts, acorns and poplar seeds. After one or two growing seasons, volunteers will then replant the trees grown from these seeds along stream banks and other areas in the watershed.

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For more information on this and upcoming events contact: Colleen Langan, Growing Native Project Director - Email: langan@potomac.org or Phone: 301.608.1188, ext.211 Or visit <http://www.growingnative.org>.

- **October 9th from 12-2pm:** Trailblazer Tuesday at Strawberry Hill Nature Center - Enjoy fall foliage and crisp air with a walk in the woods to help maintain Strawberry Hill's nature preserve and trails. Work will include clearing debris, removing invasive plants, and maintaining structures. Call ahead to reserve your spot.
- **October 10th at 7pm:** The Mysteries of PA Local Government - presented by the Penn State Extension. Confused about our local form of government? You are not alone. Learn more about how local governments operate in the Commonwealth of Pennsylvania. This presentation is part of the Adams County Partnership for Land Use Education. The seminar will be held at the Adams County Ag Center, 670 Old Harrisburg Road, Gettysburg. The seminar is free of charge. Click here for a flyer with additional information.

- **October 12th-14th:** Chesapeake Watershed Forum - "Sharing Strategies to Manage Growth and Protect Our Waters" at the National Conservation Training Center in Shepherdstown, West Virginia. Registration is now open.

Forum fees are \$150.00 per person before September 30, 2007 (\$175.00 per person after October 1, 2007). The fee includes the workshop sessions and field trips, a private room with bath, and hearty buffet style meals that begin with Friday lunch and end with lunch on Sunday.

The Forum is limited to 300 attendees, so please register early! Online registration is not available, please mail or fax your registration using the information on the registration form found at www.AllianceChesbay.org/forum.cfm

Arrival and check-in at the Chesapeake Watershed Forum begins on Friday, October 12 at 10am, with lunch served from noon-1pm. The first sessions begin on Friday afternoon. The keynote presentation will occur on Saturday evening. Field trips and free time will be offered on Saturday afternoon. Closing sessions on Sunday will cap this second annual Chesapeake Watershed Forum. A special "Meet the Funder's Happy Hour" for the Forum attendees will take place on Saturday Evening.

Some scholarships will be available for attending the Chesapeake Watershed Forum, please see the Forum webpage and registration form for information about applying for a scholarship.

Questions about the Forum can be sent to the Alliance for the Chesapeake Bay staff: Deborah Rudy at: 717-737-8622; drudy@acb-online.org or Lou Etgen at 410-377-6270; letgen@acb-online.org

- **October 12th-13th:** 2007 EPA Region III Volunteer Monitoring Conference - "Using Monitoring Data to Protect and Restore Water Quality" held at Shenandoah University in Winchester, Virginia

We are pleased to announce that registration is now open for the EPA Region 3 Volunteer Monitoring Conference on October 12-13, 2007, at Shenandoah University in Winchester, Virginia. This is the fourth such conference held for Region III (Delaware, Pennsylvania, Maryland, West Virginia, and Virginia). As in past years, the conference provides a forum for citizen volunteers, government agencies, and the public interact and learn about water quality monitoring.

On Friday October 12, a series of workshops are available covering topics ranging from how volunteer water quality monitors collect and manage data, to how volunteer monitoring can help meet local and state government needs. Saturday, October 13 consists of field trips and laboratory sessions covering a wide range of activities such as touring a local cave to learn how Karst topography

can impact water quality, making a rain barrel (\$30 workshop fee required), and learning about water quality monitoring techniques.

Click [here](#) for a copy of the agenda. Click [here](#) for a copy of the registration form. Additional information and registration information is available at www.deq.virginia.gov/cmonitor/conference.html. To register, please fill out and e-mail the registration form to Mr. Stuart Torbeck at cstorbeck@deq.virginia.gov by October 1, 2007.

No registration fee is required and meals stated in the agenda are included at no charge. Overnight hotel, dinner, and certain workshop fees are the responsibility of the conference attendee. There are a limited number of hotel rooms reserved at a special conference rate of \$60.00 for Thursday and Friday night. Please see the registration form for more information.

If there are any questions about the conference, please contact Mr. Torbeck at cstorbeck@deq.virginia.gov or by telephone at 804.698.4461.

- **October 18th at 1pm:** Joint meeting of the Monocacy & Catoctin Watershed Alliance and the Catoctin, Antietam, Monocacy Brookie Initiative (CAMBI). Meeting to be held at the Catoctin Mountain Park Visitor Center, Route 77 and Park Central Rd, Thurmont, MD. Contact Kay Schultz at kschultz@fredco-md.net or 301.600.1741 for additional information.
- **October 20th from 9am-12pm:** Trailblazer Day at Strawberry Hill Nature Center - Help maintain the Foothills Trail and learn about trailside habitat. Wear appropriate clothing and meet at the Nature Center. Water and lunch will be provided. Lunch will be served at noon. Register by October 18.
- **October 20th from 1-2:30pm:** Growing Native Seed Collection event at Strawberry Hill Nature Center - Learn native trees and shrubs and help collect seeds for future generations from 1pm until 2:30 pm. You will hear about trailside habitat, including the threat posed by invasive plants and pests. Find out what Strawberry Hill is doing to keep the preserve healthy! Strawberry Hill is a registered Growing Native Drop-Off site so you can bring any seeds you've collected too! Register by October 18.
- **October 23rd from 12-2pm:** Trailblazer Tuesday at Strawberry Hill Nature Center - Enjoy fall foliage and crisp air with a walk in the woods to help maintain Strawberry Hill's nature preserve and trails. Work will include clearing debris, removing invasive plants, and maintaining structures. Call ahead to reserve your spot.
- **October 24th from 4-6pm:** Schoolyard Habitat Celebration hosted by Frederick County Public Schools and Community Commons. Click [here](#) for a flyer with location and event information.

- **October 24th at 7pm:** Green Living Forum II at the Emmitsburg Town Office - sponsored by the Emmitsburg Business and Professional Association (EBPA). Topics of discussion to include waste disposal, caring for streams, growing greener, and water collection systems. Click here for a flyer with additional information.
- **October 25th at 7pm:** Antietam Creek Watershed Alliance (ACWA) meeting - Join ACWA members as they discuss urban plantings and such. The meeting will be held at the Quality Inn in Hagerstown which is located on the corner of Dual Highway and Eastern Blvd. A panel of people from across the area who have had experience in working with county and city governments and getting trees in the ground will be available for discussion and questions. Paul Eriksson from Cumberland will be there to talk about Cumberland's Urban Tree Canopy Goal. For additional information, contact Emilie R. Cooper at 301.791.4733 or by email at ecooper@dnr.state.md.us.
- **October 27th from 8am-noon:** Frederick County Hazardous Household Waste Drop Off Day. Click here for a flyer with additional information and location.
- **October 27th from 9am-1pm:** Monocacy Farm Stewardship Project Stream Buffer Restoration in Frederick County, MD - VOLUNTEERS NEEDED ! Another water quality improvement project in the Monocacy Watershed! Volunteers will help restore several thousand feet of streambank on a dairy farm by planting 1,000 native trees and shrubs in an area where the cows have been fenced out of the stream. Equipment, refreshments and tools provided. This project is ideal for individuals, families, and community service/youth groups. Project funders include: the National Fish and Wildlife Foundation and the US Fish and Wildlife Service Partners Program. Project partners include: Frederick County Soil Conservation District, Frederick County Department of Planning, Maryland Department of Agriculture, Hood College, Thorpewood, New Forest Society, Federated Garden Clubs of Maryland, US Fish and Wildlife Service, Monocacy and Catoctin Watershed Alliance. For more information and directions, contact Marcy Damon at 443.482.2156 or email MDrestoration@cbf.org.
- **October 27th from 9:30am-11:30am:** Riverwatcher Training Session - Potomac Riverkeeper's fall 2007 Riverwatcher Training Session will be Saturday at the Catoctin Fish & Game Protective Association in Myersville. The Riverwatcher Training Sessions are a crash course in how to spot and report pollution while taking a stroll along the riverbanks or paddling the river itself. The sessions feature guest speakers and materials detailing how you can do your part to clean up the watershed. Water monitoring equipment will also be given out to interested Riverwatchers. If you would like to come, call 202.222.0707, or email keeper@potomacriverkeeper.com for information and directions or visit www.potomacriverkeeper.org.
- **October 31st:** Deadline for nominations for the 2007 Carl S. Weber Award for Vision and Leadership in Monitoring Maryland's Waters

Dr. Carl S. Weber was a friend and colleague to many in the Maryland water monitoring community. He was instrumental in founding of the Maryland Water Monitoring Council and served on its Board of Directors during its formative years. Following his passing on September 20, 2006, the MWMC Board of Directors decided to honor Dr. Weber and to inspire and recognize others by creating an award in his memory. The Council is seeking nominations for the inaugural award, to be made at the Annual Meeting of the MWMC on December 6, 2007, at the Maritime Institute in Linthicum, Maryland.

As a professor at University of Maryland-Baltimore County and as a volunteer, Dr. Weber worked with others at the local, state, and federal levels to promote monitoring and assessment of Maryland's waters. Through the creation of this award, we celebrate Carl's life and work by acknowledging others who share his generous spirit, his commitment to Maryland's waters, his vision for collaboration, and his leadership in advancing monitoring and assessment. Additional information on Carl and his contributions to water monitoring in Maryland can be found at the MWMC's website (www.marylandwatermonitoring.org).

If you would like to place a name in nomination for the 2007 Carl S. Weber Award, please send the name along your name, contact information, and up to one page of text explaining why you think the individual should receive the award to: Dan Boward, Executive Secretary, MWMC, Tawes Building, C-2, 580 Taylor Avenue, Annapolis, MD 21401, dboward@dnr.state.md.us, 410.260.8605.