

8th Annual Bay-Wide Stormwater Retreat
 March 15 to 17, 2017
 National Conservation Training Center
 Shepherdstown, WV

RETREAT AGENDA AT A GLANCE			
Day 1: March 15			
PRE-CONFERENCE WORKSHOP AND WEBCAST			
<i>A User's Guide to Urban BMPs in the Chesapeake Bay</i>			
1:00 – 5:00	Learn about the best practices to protect local streams and the Chesapeake Bay -- learn the essentials about stormwater retrofits, stream restoration, urban nutrient management, tree canopy, street cleaning, runoff reduction and stormwater treatment practices, fixing illicit discharges and other practices. Find out which of the practices work best in your community.		
5:30 - 7:30	DINNER		
7:30 --	Informal Networking		
DAY 2: March 16			
9:00 – 9:30	A. General Session Welcome, Orientation & Opening Remarks (NFWF, ACB and EPA)		
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10:45 – 11:00	BREAK		
11:00 – 12:15	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">D. New NFWF Project Showcase (Elizabeth Nellums)</td> <td style="width: 50%; text-align: center;">E: Innovations in Treating Highway Runoff (Scott Crafton)</td> </tr> </table>	D. New NFWF Project Showcase (Elizabeth Nellums)	E: Innovations in Treating Highway Runoff (Scott Crafton)
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12:00 - 1:15	LUNCH		
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2:45 – 3:15	BREAK		
3:15 - 5:00	H: Winners Project Showcase: Best Urban BMP in the Bay Awards (David Wood and T. Schueler, CSN)		
5:30 - 7:30	DINNER		
7:30 -8:30	Informal Networking Event Followed by BUBBAs and StoneRollers Award Ceremonies		

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DAY 3: March 17		
	Track 3: Beyond the TMDL	Track 2: More BMP Cowbell
8:00 - 8:15	J1. Recap and Opening Remarks	J2: Recap and Opening Remarks
8:15 - 9:15	K. The Future of Urban Watershed Management (J. Missett)	L. Stormwater BMP Design Innovations (Sarah Lane)
9:15 - 10:45	M. Beyond Nutrients: Environmental and Social Benefits of Stormwater BMPs (Dan Frisbee)	N. New Tools for BMP Inspection and Maintenance (Heather Gewandter)
10:45 - 11:00	BREAK	
11:00 - 12:00	O: After The Flood: Quantity Matters in Ellicott City (Jim Caldwell)	P. Next Generation of Residential Stewardship Practices (S. and L. Etgen)
12:00 - 1:00	LUNCH	
1:00 - 2:30	Q. Stormwater and the Elected Official (Mary Gattis)	R. Alternative Strategies to Deliver Urban BMPs (Hirschman)
2:30	Wrap-up, Evaluation & Adjourn	

Session Details

A. Welcome, Orientation & Opening Remarks (CSN, ACB, NFWF). This general session will welcome and orient the participants to the retreat and provide some perspectives on the future of Bay stormwater.

B. Phase 3 Watershed Implementation Plans: Implications for Local Governments: The session will begin with a brief update on the status of the mid-point assessment and Phase 6 Watershed model. The remainder of the session will explore the EPA and state expectations for communities when it comes to local planning and nutrient accounting to meet the Bay TMDL? This session will explore some of the options being considered by the Partnership and will provide perspectives from the federal, state and local levels of government. The panel will include:

- Randy Greer, DE (Moderator)
- Lucinda Power, EPA
- Mary Gattis, LGAC
- Whitney Katchmark, HRPDC
- Lee Epstein, CBF

C. Improved Management of Roadside Ditches: The session will look at the potential for pollutant reductions from improved management and retrofits of the roadside ditch network in rural areas. The panelists for this session include:

- Nick DiPasquale, EPA CBP (Moderator)
- Bill Wolinski, Talbot County, MD
- Kathleen Bailey Boomer, Nature Conservancy

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- Jeff Allenby, Chesapeake Conservancy
- Tom Schueler, CSN

D. NFWF Project Showcase: Innovations in Nutrient Reductions in Urban Watersheds. This session will introduce more than a dozen new NFWF grantees who will summarize their project and partnerships in 5 minutes or less, and answer questions from the audience. The session will be moderated by Elizabeth Nellums and Alyssa Hildt.

E. Advanced Treatment of Highway Runoff: This session will showcase effective strategies for managing stormwater on these linear projects used by state and local highway agencies. Speakers may include:

- Scott Crafton, VDOT (moderator)
- Robert Shreeve, MD State Highway Administration
- Chris Swanson, VDOT
- Dr. Paul Imhoff, University of Delaware

F. Stormwater Management in Un-Regulated Watershed Areas. A significant fraction of the Bay watershed is not covered under the MS4 permitting framework, which makes BMP implementation, reporting and verification very problematic for these small communities and their state regulators. This session will focus on how these un-regulated areas can contribute more effectively to Bay restoration. The panel consists of:

- Norm Goulet, NVRC: Framing the Issue
- Liz Ottinger, EPA Region 3
- Ray Bahr, MDE
- James Davis-Martin, VA DEQ
- Sebastian Donner, WVDEP

G. Stream Restoration Revisited: A panel of stream restoration practitioners will discuss how the practice has evolved in the Bay watershed since nutrient reduction credits were approved four years ago and what is needed in the crediting, project design and permitting process to ensure better projects are installed to improve stream health. The panelists include:

- Steve Saari, District Department of Energy and Environment (Moderator)
- Lisa Fraley-McNeal, Center for Watershed Protection
- Kip Mumaw, Ecosystem Services
- Josh Burch, DOEE
- Doug Beisch, Stantec
- Matt Meyers, Fairfax County, VA

H. The Best of the BUBBAs Showcase : Project winners within each BUBBA category will get a chance to showcase the unique design and implementation challenges they overcame to win their awards.

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- Best Habitat Creation in an Urban BMP
- Best Residential BMP
- Best Stream Restoration Project
- Best Ultra-urban BMP in the Bay
- Best Stormwater Retrofit
- Best Education and Outreach Program

I. BUBBAs Grand Prize and StoneRollers Award Ceremony

J. *Morning Recap and Opening Remarks* (CSN and ACB)

K. *The Future of Urban Watershed Management.* Where will urban watershed planning be in the year 2023? A group of stormwater stakeholders has been looking to the future and will offer their perspectives on what the future holds for our profession. Participants will have the chance to provide feedback on their vision for the future.

- Moderator: Jennifer Missett, Biohabitats

L. *The Next Big Idea: Innovations in Stormwater Design.* Researchers will review the latest and greatest techniques to boost the performance of stormwater practices in removing pollutants, including enhanced media, smart BMPs, and specific plant species.

- Moderator: Sarah Lane
- Neely Law, CWP
- Sadie Drescher, CBT
- Dave Hirschman, Hirschman Water and Environment
- Marcus Quigley, OptiRTC
- David Sample, Virginia Tech

M. *Session M: Beyond Nutrients - Environmental and Social Benefits of BMPs.* What else are we achieving with our investment in stormwater BMPs in the Bay watershed when it comes to stream health, toxics, bacteria and other water quality and habitat issues? How can we increase the qualitative benefits they might provide, such that BMPs can also be place-making community amenities?

- Dan Frisbee, City of Charlottesville
- Kelly Lindow, CityScape Engineering
- Tom Schueler, CSN
- Ted Brown, Biohabitats

N: *New Tools for BMP Inspection and Maintenance.* Latest tools, tricks, resources and visual indicators to drive down the cost of inspecting and maintaining our expanding local inventory of stormwater practices.

- Heather Gewandter, City of Rockville, MD

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- Ted Scott, Stormwater Maintenance, LLC
- Christine Simpson, Arlington County, VA

O. *After The Flood: Quantity Matters in Ellicott City.* Jim will tell the story of how a big storm in a small watershed dramatically reshaped a historic community in a 45-minute flash flood, and how the community has responded.

- Jim Caldwell, Howard County

P. *Next Generation of Residential Stewardship Practices:* What do we need to promote the delivery of residential stewardship across the Bay watershed? A panel of practitioners will offer their perspectives on community engagement, outreach to churches and small businesses, and recent developments in landscape contractor certification.

- Suzanne Etgen, Watershed Stewards Academy (Co-moderator)
- Lou Etgen, Alliance for Chesapeake Bay (Co-moderator)
- Beth Ginter, Chesapeake Bay Landscaping Professionals
- Laura Grape, Northern Virginia Soil and Water Conservation District
- Amanda Rockler, University of Maryland

Q. *Elected Officials: Practical Perspectives on Stormwater:* Repeat of the hugely successful session from the last retreat where local elected officials give stormwater stakeholders the skinny on how to effectively interact with them

- Mary Gattis, LGAC, Moderator
- The Honorable Jacob R. Day, Mayor, City of Salisbury, MD
- The Honorable Thomas I. Warman, Vice President, Board of Supervisors, Spring Garden Township, PA
- The Honorable Erik D. Current, Councilman, Staunton, VA

R. *Alternative Approaches to Deliver Urban BMPs .* Many communities are experimenting with new approaches to deliver enough BMPs to meet their MS4 and TMDL requirements. This session will showcase effective approaches and how they have changed the BMP implementation landscape.

- Dave Hirschman, Moderator
- Seth Brown, Storm and Stream Solutions
- Adam Ortiz, Prince Georges County
- Erik Michelsen, Anne Arundel County, MD
- Jim Caldwell, Howard County, MD