

# Maintenance for Stormwater Practices – If we build it, can we maintain it?

**May 26, 1pm to 5pm**

Zoom link sent to registered attendees

**Register to attend [here](#)**

Join us to share what has worked, what has not worked, and what you are doing differently today or plan to do differently soon so that your stormwater practices are better maintained. Our goal is to see what is happening that is working and that we can put into practice to move maintenance forward in our work. The Chesapeake Bay Trust aims to leave this discussion with one or two ideas we can implement in our grant-making to improve project sustainability and we hope that attendees will do the same.

We will start the meeting with the history of maintenance to get on the same page and share a common language for the dialogue. Then we will dive in to hear about and learn from maintenance “mistakes,” (we love mistakes and can learn from them!), where the municipalities are focusing their efforts, and what we can do on the front end as we build and plant practices. We will also answer a few common questions along the way such as: What are the financing strategies? What are funding organizations doing now or thinking of doing? How do we maintain BMPs on private property? Where can we connect people/organizations who excel at performing maintenance?

To stay focused in our discussion, we will use bioretention practices in our examples (a common currency). Food for thought as you listen in today – What are you doing today or plan to do in the near future about stormwater maintenance? What innovation can you share with the group? Share your latest and greatest ideas with us as a panelist and as an attendee.

## **Agenda (final 5/25/21)**

1 pm to 1:05 pm – Review Meeting Goals & Ground rules, Sadie Drescher, Chesapeake Bay Trust

What do we hope to accomplish today? What are the ground rules? What is the meeting format and how do attendees contribute to the discussion?

1:05 pm to 1:30 pm - History and Evolution of Maintenance

A great deal of thought and work including testing ideas, training, guidance, etc. has been done before today. A summary of this work will be provided as a basis for our conversation.

- David J. Hirschman, Principal, Hirschman Water & Environment, LLC (confirmed) [10 min]
- Kimberly Grove, PE, Chief, Office of Compliance & Research, Baltimore City Department of Public Works, Baltimore City (confirmed) [10 min]

- Jeff DeHan, Associate Director, Stormwater Management Division, Prince George's County Government (confirmed) [5 min]

### 1:30 pm to 2:00 pm – “Mistakes”

We can learn when we share what mistakes we made, we saw, and what we did to avoid them in the future.

- Theodore Scott, PE, Founder and Managing Member of Stormwater Management, LLC, and founder and Executive Vice President of SMC (Stormwater Maintenance, LLC) (confirmed) [10 min]
- Kate Austin, CBLP-D, CBLP-I, Green Infrastructure Asset Coordinator, Bureau of Stormwater Management, Lancaster, Pennsylvania (confirmed) [10 min]
- Q/A [10 min]

### 2:00 pm to 2:35 pm – Better Design, Construction, and Planting

Are there innovative or simple things that work at the design stage, during construction, and for the planting plan? Speakers will share what they have seen that works and what new ideas they are testing.

- Beth Ginter, Chesapeake Bay Landscaping Professionals, Executive Director for the Chesapeake Conservation Landscaping Council (confirmed) [10 min]
- Donna Evans, Program Manager II, Montgomery County Department of Environmental Protection (confirmed) [10 min]
- Sarah Koser and Jeffrey Popp, Senior Program Officers, Chesapeake Bay Trust (confirmed) [10 min]
- Q/A [5 min]

2:35 pm to 2:50pm – Seventh inning stretch – 15 min Break (go for a short walk, drink some water, or, if you must, pivot to work tasks 😊)

### 2:50 pm to 3:30 pm – Municipalities & Financing

Municipalities have managed stormwater through the decades with several audiences in mind and through political tenures, under the changing regulations, and more. What are municipalities doing now based on their wealth of knowledge to manage/maintain their assets? We know maintenance needs dedicated funding sources and they will share their strategies with us.

- Anne Arundel County, Maryland – Erik Michelson, Deputy Director, Bureau of Watershed Protection and Restoration at Anne Arundel County Department of Public Works, Maryland (confirmed) [8 min]
- Fairfax County, Virginia – Karlee Copeland, Chief, Stormwater Management Branch (confirmed) [8 min]

- Prince George's County, Maryland – Eric Jones, Program Manager, Clean Water Partnership (confirmed) [8 min]
- City of Salisbury, Maryland, Amanda Pollack, PE, Department of Infrastructure and Development (confirmed) [8 min]
- Q/A [8 min]

### 3:30 pm to 3:50 pm – Funders Corner

What are funding organizations doing now? What are we thinking about for the future? A few funders will share how we are ensuring maintenance now and what if any funding is available for maintenance now and in the future.

- Jake Reilly, Program Director, National Fish and Wildlife Federation (confirmed) [5 min]
- Megan Granato, Maryland Department of Natural Resources (confirmed) [5 min]
- Jana Davis, Executive Director, Chesapeake Bay Trust (confirmed) [5 min]
- Q/A [5 min]

### 3:50 pm to 4:20 pm – Working on Private Property

A tale from a non-profit organization that works with other nonprofits, homeowners' associations, civic associations, and others who want to implement practices as well as municipalities working on private property. What level of understanding do landowners have for maintenance? What level of commitment or maintenance has been achieved? What maintenance can these groups handle?

- Jennifer Carr, Director of Grants and Restoration, Arundel Rivers Federation (confirmed) [8 min]
- George Nicol, Stormwater Management Division, Prince George's County (confirmed) [8 min]
- Ann English, RainScapes Program Manager, Montgomery County Department of Environmental Protection (confirmed) [8 min]
- Q/A [6 min]

### 4:20 pm to 4:45 pm – What we heard and what we can do

Two experts in the field will share what they heard that can be used or be tested in the future.

- Stew Comstock, Maryland Department of the Environment (confirmed - Stew may tap another MDE staff to join - TBD) [5 min]
- Tom Schueler, Executive Director, Chesapeake Stormwater Network (confirmed) [5 min]

Feedback from attendees [10 min]

Wrap up – Sadie Drescher, Chesapeake Bay Trust, to share action items and next steps [5 min]

[15 min wiggle room in agenda]

### **Speaker Abbreviated Biographies (in order of appearance):**

- **David J. Hirschman, Principal, Hirschman Water & Environment, LLC**  
([dave@hirschmanwater.com](mailto:dave@hirschmanwater.com))

David J. Hirschman manages Hirschman Water & Environment, LLC, based in Charlottesville, VA, specializing in water resources planning and management. He has thirty-eight years of experience with stormwater and water resources management in the public, private, academic, and non-profit sectors. Hirschman has worked across the country and especially in the Chesapeake Bay region, developing stormwater and green infrastructure design manuals and specifications, designing green infrastructure projects, developing natural resources master plans, and orchestrating numerous trainings and workshops. He has partnered with the Chesapeake Bay Landscape Professional (CBLP) program since its inception, and also serves as one of five Chesapeake Bay field liaisons for the National Fish & Wildlife Foundation (NFWF). Hirschman maintains a blog about all things stormwater and watershed: <https://hirschmanwater.com/blog/>.

- **Kimberly Grove, PE, Chief, Office of Compliance and Research, Baltimore City Department of Public Works, Baltimore City, Maryland** ([Kimberly.Grove@baltimorecity.gov](mailto:Kimberly.Grove@baltimorecity.gov))

Kimberly Grove is a professional engineer, whose 20+ years of experience has spanned the spectrum of civil engineering including stormwater management, land development design, environmental site assessment and remediation, geotechnical engineering and forensic analysis, construction management, and materials testing. A graduate of the Florida Institute of Technology, Ms. Grove spent most of her career as a private engineering consultant working throughout the Southeast and mid-Atlantic region, until she joined Baltimore City Department of Public Works in December 2010. Ms. Grove currently serves as the Chief for the Office of Compliance and Research, which is committed to enhancing environmental regulatory compliance for the Department through collaboration, management program improvements, and regulatory enforcement. She also works with the Water Environmental Federation Stormwater Institute; Urban Waters Federal Partnership Actionable Science Committee; & the Baltimore Ecosystem Study to integrate scientific research with policy decisions for the Department.

- **Jeff DeHan, Associate Director, Stormwater Management Division, Prince George's County Government** ([jmdehan@co.pg.md.us](mailto:jmdehan@co.pg.md.us))

Jeff has been with Prince George's County Government for over 32 years overseeing one of the most innovative stormwater programs from the impetus of low impact development up to and including the novel use of a Public-Private-Partnership to accomplish clean water goals. Jeff has a strong understanding of and experience with engineering, stormwater management, asset management, local government, and community and municipality partnerships.

- **Theodore Scott, PE, Founder and Managing Member of Stormwater Management, LLC, and founder and Executive Vice President of SMC (Stormwater Maintenance, LLC)** ([tes@mdswm.com](mailto:tes@mdswm.com))

Theodore (Ted) E. Scott PE, is a practicing Professional Engineer with over 35 years of progressive experience in the design, inspection, construction, repairs, retrofit, and maintenance of stream restoration projects and all types of stormwater practices.

He is the founder and Managing Member of Stormwater Management, LLC (SML) and founder and Executive Vice President of SMC, which was formerly known as Stormwater Maintenance & Consulting. SML provides engineering and inspection services for stormwater infrastructure. SMC provides engineering, inspection, surveying, construction, and maintenance of existing drainage-related infrastructure including streams and stormwater systems, primarily throughout the Chesapeake Bay watershed. The goal of SMC is to facilitate environmental restoration and compliance for municipalities and industrial NPDES permit holders; and to help the owners and managers of stormwater infrastructure meet operational obligations and minimize maintenance costs.

Mr. Scott is also a sought-after consultant and national speaker on stormwater management issues, including the application of emerging technologies such as low impact development, integrated stormwater management design, stormwater on green building projects, alternative practices such as permeable paving and bioretention, and the programmatic and implementation issues of inspection, maintenance, and repair of stormwater management infrastructure. More info [here](#).

- **Kate Austin, CBLP-D, CBLP-I, Green Infrastructure Asset Coordinator, Bureau of Stormwater Management, Lancaster, Pennsylvania** ([austink@cityoflanasterpa.com](mailto:austink@cityoflanasterpa.com))

Kate has worked with Lancaster, Pennsylvania, since 2015, and manages the green infrastructure throughout the City. The Bureau of Stormwater Management works to develop the Nationally-recognized green infrastructure program through both public projects and private retrofit projects through grants and PENNVEST funding through the Pennsylvania State Revolving Loan Fund. Kate works on policies to address the need to further reduce nutrient and sediment loads that ultimately flow into the Chesapeake Bay,

and incorporate green infrastructure as a component of the City's Long Term combined sewer overflow (CS) control plan and stormwater management programs.

- **Beth Ginter, Chesapeake Bay Landscaping Professionals, Executive Director for the Chesapeake Conservation Council** ([beth@cblpro.org](mailto:beth@cblpro.org))

Beth has decades of experience working in the conservation and landscaping realm. Beth was a founder of the BioScience Communications, worked as a landscape designer, was owner/principal for The Honeybee Group, LLC, a landscape consulting and design practice, for over 16 years, and has been a lead for the Chesapeake Bay Landscape Professional Certification Program for the last six years. The Chesapeake Conservation Landscaping Council is a coalition of individuals and organizations dedicated to researching, promoting and educating professionals and the public about conservation landscaping to protect the Chesapeake Bay. The Council formed in 2003 to promote the principles of conservation landscaping and expand the practice of conservation landscaping throughout the Chesapeake Bay region.

- **Donna Evans, Montgomery County Department of Environmental Protection** ([Donna.Evans@montgomerycountymd.gov](mailto:Donna.Evans@montgomerycountymd.gov))

Donna is a Program Manager II for Montgomery County, Maryland, Department of Environmental Protection, Stormwater BMP Inspections and Maintenance Section. She manages the maintenance of ESD/LID practices on public property. Donna is a LEED Green Associate and has a Chesapeake Bay Landscape Professional - Maintenance, Design, and Installation Certification. Donna merges her Horticultural education background (BS-UMD), over 40 years in the landscape nursery, design/build industry and stormwater management background with her current position to identify how the level of understanding plant attributes, landscape design principles and sound horticultural practices drives the level of maintenance burdens for bioretention.

- **Sarah Koser, Senior Program Officers, Chesapeake Bay Trust** ([skoser@cbtrust.org](mailto:skoser@cbtrust.org))

Sarah joined the Chesapeake Bay Trust in 2019. At the Trust she supports the restoration programs that include implementation projects, research efforts, and innovative county watershed and citizen engagement grant programs. She has a background in wetlands and environmental restoration with a M.S. in Environmental Engineering from Johns Hopkins University and a B.S. in Biology/Botany from the Pennsylvania State University. Sarah's work focuses on watershed restoration and stormwater management to support policy, training, and outreach initiatives. At the Trust Sarah enjoys working with partners to form strong grant programs that benefit the water and people in the Chesapeake Bay.

Sarah has over 20 years of expertise in science-related work as a consultant. Prior to joining the Trust, Sarah was a senior scientist for EA Engineering, Science, and Technology, Inc., PBC where she managed projects focused on habitat restoration, wetland delineation and function assessment, technical writing, conducting baseline fish, benthic, and plant surveys and stream assessments. Other experience includes conducting rare, threatened, and endangered (RTE) plant species surveys; habitat and vegetation identification and mapping; and plant identification to species level. Before working at EA, Sarah was a lab assistant at Penn State where she conducted research on the mineral uptake of *Arabidopsis thaliana* (mouse ear cress) and soybeans, focusing on phosphorus and the efficiency of root hair growth.

- **Jeffrey Popp, Senior Program Officers, Chesapeake Bay Trust ([jpopp@cbtrust.org](mailto:jpopp@cbtrust.org))**

Jeffrey Popp joined the Trust in March 2016 and leads the Green Streets Green Jobs Green Towns, Anne Arundel County Forestry and Mini Greening, and Montgomery County Stormwater grant programs. Before coming to the Trust, Jeff was the Manager of Conservation Projects with the Wildlife Habitat Council where he coordinated, designed, and managed on-the-ground corporate habitat restoration projects in both rural and urban settings. Working with landowners and other community partners, Jeff helped navigate and overcome the challenges of creating successful restoration projects that benefits wildlife, water quality, and surrounding communities

Jeff has over 15 years of experience in habitat design and community outreach, and specializes in native plants, reptiles and amphibians, and habitat restoration. Jeff has worked for the Maryland Department of Natural Resources, and as Co-Director for the Terrapin Institute. He has served on Governor appointed task forces relating to reptile, amphibian, pollinators and fisheries conservation and remains active in natural resource and conservation education issues on national and local levels. Jeff holds a Bachelor's degree in Biology from Towson University.

- **Erik Michelson, Deputy Director, Bureau of Watershed Protection and Restoration at Anne Arundel County Department of Public Works, Maryland ([pwmich20@aacounty.org](mailto:pwmich20@aacounty.org))**

Erik works to facilitate the recovery of the Chesapeake Bay and its tributaries through supporting robust restoration projects and rigorous scientific monitoring efforts, bolstered by diverse stakeholder partnerships. Erik has an extensive background as a project manager for a consultant then as the Executive Director for a non-profit, the Arundel Rivers Federation (formerly the South River Federation), and working for Anne Arundel County since 2014, as the County builds up the environmental assessments, restoration implementation, and ecological evaluation to support the County's clean water obligations under the Municipal Separate Storm Sewer System (MS4) permit and the Chesapeake Bay Total Maximum Daily Load (TMDL).



- **Karlee Copeland, Chief, Stormwater Management Branch, Fairfax County, Virginia**  
([Karlee.Copeland@fairfaxcounty.gov](mailto:Karlee.Copeland@fairfaxcounty.gov))

Karlee Copeland grew up in Montgomery, Alabama and holds a Bachelor of Science degree in Environmental Science from Auburn University. Her 20 years of regulatory compliance experience has allowed her to focus on building a successful post-construction stormwater operations and maintenance program in Fairfax County, Virginia. In her current role, Ms. Copeland leads a diverse team of engineers, technicians, project managers and ecologists who manage the County's nearly 8,000 stormwater management facilities with an annual budget of \$11M. Ms. Copeland began her career in the freshwater sector ensuring regulatory compliance with federal water protection regulations and performing pollution response activities with the U.S. Coast Guard.

- **Eric Jones, Program Manager, Clean Water Partnership, Prince George's County, Maryland**  
([Eric.Jones@corvias.com](mailto:Eric.Jones@corvias.com))

Eric Jones as the Clean Water Partnership (CWP) Program Manager responsible for managing day-to-day operations of the partnership, as the team continues to meet its programmatic objectives inclusive of the project delivery, long-term operations and maintenance, and social and economic goals. Eric worked with the CWP for nearly four years as he previously held the program role of Stormwater Maintenance Coordinator with CWP's delivery partner AKRF. Eric has a thorough understanding of the requirements and expectations the CWP is responsible for, and has the perspective of a community member and stakeholder as he is a resident of Prince George's County, MD. In his previous Maintenance role, Eric could be found supporting volunteer events, career day forums with Prince George's County Public Schools (PGCPS) students, engaging PGCPS facilities staff on stormwater best management practices and sharing his experiences and knowledge related to routine and functional maintenance, native plants and landscaping with the CWP's Mentor Protégé Firms.

- **Amanda H. Pollack, P.E. is the Director of the Infrastructure and Development Department for the City of Salisbury, Maryland** ([APollack@salisbury.md](mailto:APollack@salisbury.md))

Ms. Pollack is the City Engineer and oversees the Planning, Engineering, Stormwater Management, Construction Inspection and Building Permitting divisions of the City. She manages the City's MS4 Stormwater program and implemented the City's Stormwater Utility. Ms. Pollack holds a Bachelor of Science degree in Civil Engineering from Lehigh University and is a licensed professional engineer in Maryland. Ms. Pollack has over 24 years of engineering experience. She worked as a consultant for 16 years before joining the City of Salisbury in July 2012.



- **Jake Reilly, Program Director, National Fish and Wildlife Federation**  
([Jake.Reilly@NFWF.ORG](mailto:Jake.Reilly@NFWF.ORG))

Jake manages the Chesapeake Bay Programs for the National Fish and Wildlife Federation (NFWF), where he directs the design, implementation, and management of \$20+ million in annual strategic investments towards environmental restoration in the Mid-Atlantic region, supported by landmark funding from federal agencies, private corporations, and philanthropic partners. Jake leads an expert team of conservation scientists and professionals at the nation's leading environmental restoration funding institution.

Jake oversees a comprehensive portfolio of program management, financial portfolio administration and management, quality assurance and reporting, program marketing and media outreach, and direct personal relations with federal cabinet officers and senior members of Congress. Jake develops integrated program budgets, delivery strategies, and measurement protocols to ensure effective program management and achievement of strategic goals and objectives of NFWF, its funders, and partners across the Mid-Atlantic region. Jake also serves as a key liaison with senior Federal and state policy and management officials working on Chesapeake Bay restoration. Before NFWF Jake was a Program Examiner for the White House Office of Management and Budget, and Environmental Management Fellow at the Chesapeake Research Consortium, and worked at American Forests.

- **Megan Granato, Senior Program Director, Chesapeake and Coastal Service, Maryland Department of Natural Resources** ([megan.granato@maryland.gov](mailto:megan.granato@maryland.gov))

Megan Granato is a Senior Program Director at the Maryland Department of Natural Resources, where she specializes in restoration and climate resilience financing programs. Megan provides grant management for the Chesapeake and Atlantic Coastal Bays Trust Fund, which supports the implementation of innovative, cost-effective, and efficient restoration projects across the state. She also manages the Chesapeake Bay Implementation Grant funding provided by the Environmental Protection Agency, which supports progress towards achieving the *2014 Chesapeake Bay Watershed Agreement* goals and outcomes. Megan has a B.A. in Biology from Hamilton College and a M.S. in Natural Resource Management from North Carolina State University. Her previous experience includes working as a restoration ecologist for an environmental consulting firm in California and researching the plants and soils of restored stream corridors in North Carolina.

- **Jana Davis, Executive Director, Chesapeake Bay Trust** ([jdavis@cbtrust.org](mailto:jdavis@cbtrust.org))

Dr. Jana Davis is the Executive Director of the Chesapeake Bay Trust, overseeing its work on watershed restoration, education, outreach, and innovation. Jana has been at the Trust

since 2005, first as Assistant Director for Programs then as Associate Executive Director prior to assuming the role of Executive Director. Jana is trained as a marine ecologist, with a B.S. in biology from Yale University and a Ph.D. in oceanography from the Scripps Institution of Oceanography and has spent her career working at the intersection of science and policy. Her previous scientific work includes research in the applied realms of fisheries, aquaculture, and shoreline habitat restoration at Scripps; at the Smithsonian Environmental Research Center, where she was a postdoctoral fellow; and at the Williams College – Mystic Seaport Maritime Studies Program, where she was an oceanography faculty member. Prior to coming to the Trust, Jana served as an American Association for the Advancement of Science Congressional Science Fellow in the United State Senate, sponsored by the American Geophysical Union. Jana continues an active research program on shoreline restoration and ecology issues.

- **Jennifer Carr, Arundel Rivers Federation, Director of Grants and Restoration**  
([jennifer@arundelrivers.org](mailto:jennifer@arundelrivers.org))

Jennifer graduated from Penn State University with a degree in Geography and a minor in Environmental Science. After graduation, she worked for an AmeriCorps non-profit in Baltimore, interned with the International Rescue Committee and taught in a rural village in Serbia. After returning home, Jennifer joined the Federation in 2011 as a one year Chesapeake Conservation Corps Member funded by the Chesapeake Bay Trust. The Federation hired her in 2012 and she has worked at a variety of positions, including coordinating volunteers, event planning and providing IT support for the organization. She found her niche in Restoration and worked her way from an assistant to Director of Restoration where she manages several restoration projects and routinely interacts with property owners who will implement and maintain the practices installed.

- **George Nicol, Stormwater Management Division, Prince George's County**  
([gsnicol@co.pg.md.us](mailto:gsnicol@co.pg.md.us))

George is the Section Head for the Inspection Programs Section in Prince George's County, Maryland. George has extensive experience managing industrial, commercial, and other permit conditions for the County. George also has experience with the County's stormwater pollution prevention plan and private best management practice inspection and enforcement.

- **Ann English, RLA, LEED AP, CBLP D+I , RainScapes Manager, Montgomery County Department of Environmental Protection** ([Ann.English@montgomerycountymd.gov](mailto:Ann.English@montgomerycountymd.gov))

Ann's work focuses on running a program that oversees the creation of landscape architecture solutions that harness the power of plants in designed living systems to meet

certain requirements (green infrastructure), creating materials for education and creative problem solving. The challenges get her excited to think and act every day. The program is fit within a regulatory framework for MS4 compliance and, with her team, provides resources to help our local residents and contractors solve their site problems with the best ecological design practices. Ann's passion is making connections between what is and what can be and empowering people who work with the built environment to better their quality of life and prospects for a healthy future. Green infrastructure work requires understanding the science of the biological systems, the skills required to accomplish an installation and maintenance of that system, the psychology of aesthetics and social motivation and the financial reality of scaling a project. Ann has been the liaison to MC Public Schools (MCPS) from DEP which includes being a member of the MCPS-MC Environmental Professional Advisory Committee since 2010. Ann developed the DEP RainScapes for Schools program for MCPS schools interested in installing stormwater habitat gardens; and the RS Growing Program for participating MCPS high school horticulture programs. Ann created the Permeable Pavement education module for the Chesapeake Bay Certified Professional Program and is a trainer for the National Green Infrastructure Certified Professional program.

- **Stew Comstock, Maryland Department of the Environment**  
([stewart.comstock@maryland.gov](mailto:stewart.comstock@maryland.gov))

Stew is the Chief for the Program Review Division in the Maryland Department of the Environment and has over 30 years of experience with stormwater management practices including their designs, effectiveness, MS4 permits, and permit compliance at the local/federal level. Stew and his staff are working on both a construction inspection manual and a maintenance manual with a sneak peak at:

<https://mde.maryland.gov/programs/Water/SSDS/Pages/index.aspx> (click on both the Construction Checklists and Materials). MDE's Stormwater Design Manual also has a list of maintenance items for each structural BMP and for ESD to the MEP. Stew and his experience at MDE provide a wealth of knowledge to share during this panel discussion.

- **Tom Schueler, Executive Director, Chesapeake Stormwater Network**  
([watershedguy@hotmail.com](mailto:watershedguy@hotmail.com))

Tom has more than 30 years of experience in practical aspects of stormwater practices to protect and restore urban watersheds. He currently directs the Chesapeake Stormwater Network, a non-profit organization devoted to implementation of more sustainable stormwater practices across the Chesapeake Bay watershed. Tom directs the Chesapeake Bay Stormwater Training Partnership, which provides webcasts, workshops and on-line training modules to train engineers on new practices. Tom also serves as the stormwater technical coordinator for the EPA Chesapeake Bay Program. Tom also is active in

promoting better stormwater regulations and permits in communities across the Bay. Tom founded the Center for Watershed Protection in 1992, and loves stream-walks, good scotch, and bad dogs.

**Panel Planning Lead, Sadie Drescher, Director of Restoration Programs, Chesapeake Bay Trust**  
([sdrescher@cbtrust.org](mailto:sdrescher@cbtrust.org))

Sadie joined the Chesapeake Bay Trust (Trust) in 2014 and has over 20 years of environmental experience. At the Trust Sadie supports Chesapeake Bay restoration through innovative award programs and research efforts supported by stormwater utility/CIP funds, mitigation funds, local operating funds, and state/federal funds. Sadie leads a team of five restoration professionals to competitively award projects, deliver restoration results to partners, and communicate the findings to the Chesapeake Bay community. She has a M.S. in Environmental Studies from the College of Charleston and a B.S. in Environmental Biology from Tennessee Technological University. Sadie's work focuses on watershed restoration and stormwater management to support science, policy, engagement, and training.

**A note of gratitude:** Thank you so much to all the presenters and moderators. Your hard work made today possible. Thanks also to the attendees for sharing your thoughts and ideas with the group. Enjoy the day/Sadie

**Panel organized by the Chesapeake Bay Trust** as part of our Strategic Plan Initiatives to convene experts as a way to identify solutions to critical issues (e.g., best management practice maintenance) and identify paths of action in our work using the latest best practices and science. More about the Trust is at <https://cbtrust.org>

