



CENTER FOR  
**WATERSHED**  
**PROTECTION**

*Leading the Nation with  
Clean Water Solutions*

# 2015 ANNUAL REPORT

# INSIDE THIS REPORT

Mission & Vision . . . . .	1
Welcome. . . . .	2
Accomplishments of 2015 . . . . .	3
Donors . . . . .	11
Partnerships . . . . .	12
Financial Report . . . . .	14
Board of Directors. . . . .	15
Staff . . . . .	16
Looking Ahead . . . . .	17



# MISSION & VISION

## Mission

The Center for Watershed Protection works to protect, restore, and enhance our streams, rivers, lakes, wetlands, and bays. We create viable solutions and partnerships for responsible land and water management so that every community has clean water and healthy natural resources to sustain diverse life.

## Vision

The Center for Watershed Protection's vision is a nation that has significantly improved the ecological and hydrologic condition of its degraded water bodies and has stemmed further degradation of clean water and healthy watersheds. We believe clean water and healthy natural resources are essential to life on earth.

## We envision:

- A network of watershed practitioners building a national movement towards a watershed approach
- Communities investing in infrastructure changes that are reflective of the environmental, economic, and social benefits of watershed protection, restoration, and enhancement
- Land development occurring with minimal impacts to water resources
- Individuals taking tangible steps to improve their local watersheds

So that every community has clean drinking water, and fishable, swimmable waters that support diverse life.

Our vision is built upon our unique ability to advance, synthesize, and widely disseminate watershed science by translating this knowledge into practical tools and techniques. Through our collective spirit and ability to integrate multiple disciplines, jurisdictions, and issues into a comprehensive watershed approach, we endeavor to lead the nation in the development and implementation of the most effective stormwater and watershed management practices.

# WELCOME



Dear Friends,

With more than half the country's water unfit for swimming, fishing, and drinking, we have a long road ahead to protect this country's water resources. By continuing to provide solutions for practitioners, the Center for Watershed Protection commits to reversing this trend. 2015 was a time of growth and renewed commitments for the Center for Watershed Protection with a new office and new strategic plan.

With urging from our wide audience, we added new projects like the Green Jobs and National Certification, expanded offerings to our members such as the Lunch and Learns, and committed to common-sense regulatory change based on practical experience and research.

Our annual report provides some details on these and other accomplishments, all of which we could not have done without you: our friends, fans, and clients.

Our next year holds the promise of yet more new adventures including a fundraising campaign for specific research priorities, a first of its kind National Watershed and Stormwater Conference along with a focus on expanding our audience to improve the cumulative knowledge base of watershed practitioners around the country. We hope you continue to join us on our journey to cleaner streams, lakes, estuaries, and watersheds.

Best Wishes.

A handwritten signature in black ink, appearing to read "Matt Steinhilber".

Matt Steinhilber  
President, Board of Directors

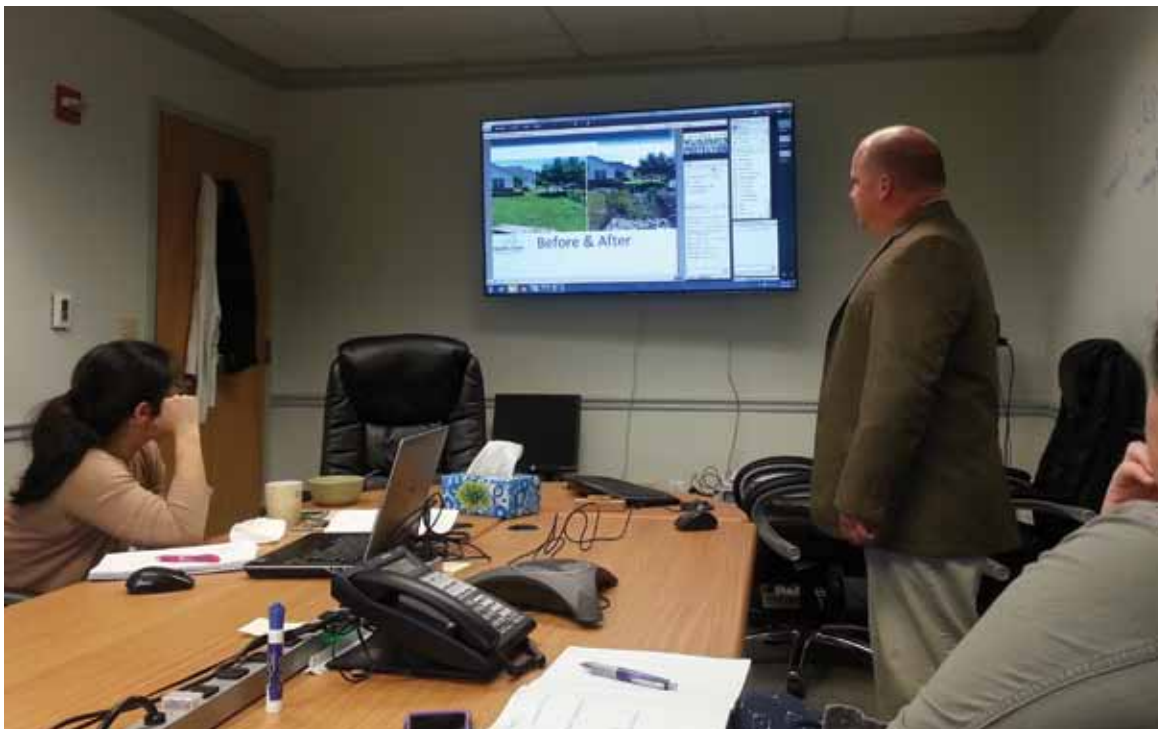
A handwritten signature in black ink, appearing to read "Hye Yeong Kwon".

Hye Yeong Kwon  
Executive Director

**MEMBERSHIP**

The Center for Watershed Protection Association (CWPA) is celebrating its sixth year as the Center for Watershed Protection’s membership program. CWPA encompasses several different types of members, which include individuals, students, local governments, non-profits, universities, libraries, and federal corporations. CWPA offers several benefits, one of which is our Lunch and Learn presentations. Lunch and Learn is a free one-hour presentation that is only available to the CWPA members. These presentations include new research, projects, or innovative technology in the watershed and stormwater field. In order to allow the CWPA members to have more interaction, we have an open Q&A session with the speaker.

We continue to look for more benefits for the CWPA members to allow networking opportunities. With our new Webcast-style Conference, this is opening up more possibilities for stormwater and watershed professionals to interact and discuss important environmental issues. We are also planning on implementing new meet up groups for CWPA members.



*The Center for Watershed Protection Association is made up of 220 professionals from government agencies, non-profits, consulting firms, universities and other organizations from 39 U.S. states and territories and Canada.*

## TRAINING

### Green Infrastructure Certification & Workforce Development Training



The Center's Green Infrastructure Training Certification and Workforce Development project was designed to achieve three main objectives:

- 1) convene a national taskforce that includes local governments, EPA, other federal agencies, state highway administrations, state regulating agencies, large real estate business owners, scientific experts and trainers and others to identify the essential elements of a certification program for clean water jobs training;
- 2) collaborate with community workforce development organizations in

"incubator" communities to provide job training and placement services to underemployed and unemployed individuals and inform certification; and 3) develop a community of individuals and support materials toward continuously refining certification requirements in green infrastructure installation, maintenance, and routine inspections.

This past year, the Center developed and executed a pilot training course with Civic Works, a Baltimore based workforce development organization, focused on green infrastructure maintenance. The 2-day training consisted of indoor instruction followed by outdoor "lab" exercises where participants got the opportunity reinforce the information with field exercises, which also gave participants an opportunity to see and evaluate existing green infrastructure. In November, the Center held a Green Infrastructure Certification & Workforce Development National Meeting in Washington, DC to provide an open discussion with leaders and experts in the field of stormwater. The goals of the meeting were to 1) receive input on needed green infrastructure skillset and knowledge base to develop standard trainee specifications for certification at the national scale and 2) determine how local organizations and/or workforce development programs will begin to implement certification programs. Participants included 30 people from 11 states and included representative from the private and public sectors, consulting firms, construction and maintenance contractors, workforce development organizations, agency staff, and funders.

In the coming year, the Center along with some key national partners will conduct a job skills analysis to identify the key skills and knowledge that "Certified" Green Infrastructure workers should possess and have additional trainings planned for Baltimore.



## Training Partnership Surpasses 60,000 Hours of Instruction for Stormwater Practitioners

This year, the Center wrapped up its work with the Chesapeake Bay Stormwater Training Partnership (also known as CBSTP or simply the Partnership), a six-year project led by the Chesapeake Stormwater Network, with the Center, the Alliance for the Chesapeake Bay, and Stormwater Maintenance & Consulting as support. The project was funded by grants from the National Fish & Wildlife Foundation. The goal of the training effort was to deliver targeted training for those in stormwater professions on new tools and practices to improve the quality of stormwater runoff, especially in the face of evolving stormwater regulations at the state and local levels.

In its first phase, the Partnership worked with stormwater design professionals from local governments and the private sector to understand and apply the latest stormwater management design and implementation strategies. In subsequent phases, the audience expanded to include public works, landscape contractors, and other maintenance professionals. The CBSTP was active in all seven Chesapeake Bay watershed states, and the District of Columbia. The project delivered free or low cost training to tens of thousands of Bay watershed designers and reviewers, through (1) webcasts (2) one-day design workshops (3) intensive “master” stormwater design seminars (4) on-site technical assistance, (5) self-guided web-based learning modules, and (6) field trainings.

Over the course of its six years in existence, the Partnership collectively provided more than 60,000 training hours to approximately 17,500 participants on over 50 different stormwater topics. The Center’s role in the Partnership included preparing training materials as well as organizing and conducting many of the webcasts, field trainings, and workshops. In 2015, we organized seven of the CBSTP webcasts, covering diverse subjects such as urban nutrient management, Pennsylvania Chesapeake Bay Pollutant Reduction Plans, and shoreline management. As part of our special focus on urban nutrient management in 2015, Center staff also developed a GIS-based methodology to identify lawns on private property that can be targeted for urban nutrient management.

*“Your presentations were timely and very well received by the audience. I hope you are able to be involved with many more of these events!”*

– CBSTP training attendee



## RESEARCH

### Best Management Practice Effectiveness Support to the EPA Chesapeake Bay Program

Over the past few years, the Center has provided technical support to the EPA Chesapeake Bay Program with implementing urban best management practices (BMPs) to achieve the goals of the 2010 total maximum daily load (TMDL), or “pollution diet” for nutrients and sediment. Through the *Protocol for Development, Review and Approval of Loading and Effectiveness Estimates for Nutrient and Sediment Controls*, newer practices and technologies are considered and evaluated for inclusion in the Chesapeake Bay Program partnership modeling tools. Existing practices are re-evaluated to ensure they reflect the best available scientific data and information.

The Center’s work has focused on establishing, facilitating and participating on expert panels to review and revise BMP effectiveness estimates. This process involves assembling the panel, which is made up of recognized experts in environmental and water quality related issues; reviewing and synthesizing the scientific literature on water quality effectiveness of the BMP in question; convening panel meetings, developing a final report with crediting recommendations; and shepherding these recommended protocols through the various Chesapeake Bay Program workgroups involved in the approval process. Completed BMP expert panels that the Center has led or participated in include: Stream Restoration, Urban Filter Strips/Stream Buffer Upgrades, Shoreline Management, Urban Fertilizer Management, New Urban Stormwater Performance Standards, Stormwater Retrofits, Nutrient Discharges from Grey Infrastructure, and Enhanced Erosion and Sediment Control.

Over the past year, the Center started up new expert panels on Urban Tree Canopy and Impervious Area Disconnection in partnership with Virginia Tech. The scope of the Urban Tree Canopy expert panel is to recommend nutrient and sediment loading and efficiency estimates for an urban tree canopy BMP. Given the limited number of studies directly addressing the water quality benefits of urban trees, the expert panel used a modeling approach to evaluate options for estimating the acres of urban tree canopy that would be created as a result of planting an individual tree. The efficiency estimates associated with the acreage of tree canopy will align with the newly approved tree canopy land use/pollutant loading rate.

The scope of the Impervious Area Disconnection panel is to evaluate the nutrient and sediment removal and runoff reduction benefits associated with disconnecting existing impervious area runoff from stormwater drainage systems. The expert panel defined two protocols for this BMP:

- 1) impervious area disconnection to amended soils; and
- 2) retrofitting the existing drainage network of a site via the creation of storage facilities within the drainage network or adjacent treatment areas with the option of diverting runoff from disconnected impervious cover into these facilities to achieve full or partial disconnection.

In addition to the specific BMP crediting recommendations, the expert panel reports provide a set of future research and management needs to advance our understanding of these BMPs. Final approval of these protocols is expected in 2016.





## Clean Water Optimization Tool



Communities on the Eastern Shore of Maryland face some unique challenges with developing stormwater pollution reduction strategies to meet the Chesapeake Bay total maximum daily load (TMDL) requirements. Each county was tasked with developing a Phase II Watershed Implementation Plan (WIP) that outlines how they will achieve the TMDL reductions, which will be enforced through the National Pollution Discharge and Elimination System (NPDES) municipal separate storm sewer system (MS4) permit program. Only two Eastern Shore municipalities are currently regulated under the MS4 program, leaving the remaining counties uncertain of their legal obligation to reduce nutrient and sediment loads.

For some counties, the estimated price tag to implement the WIPs is enormous. One reason for the high costs is that many WIP strategies rely on implementation of structural stormwater BMPs as retrofits. The cost to construct retrofits can be quite high since they often require modifying existing infrastructure. An additional constraint is the limited feasibility of implementing certain types of stormwater BMPs on the Eastern Shore due to the high groundwater table and poor soils. While stormwater retrofits are important, other BMPs such as stream restoration or tree planting may be much more cost-effective and applicable to the Eastern Shore landscape, yet the WIPs were not required to consider cost-effectiveness or feasibility of implementation.

With a grant from the Town Creek Foundation, the Center developed the Clean Water Optimization Tool to address these concerns. The Tool is a planning level model that allows communities to optimize their stormwater pollution reduction strategies to achieve nutrient and sediment reduction goals at the lowest cost. The goal is to provide an easy-to-use, quick, and free tool to develop more realistic implementation plans based on local knowledge. Other unique aspects of the Tool are that it:

1. incorporates a full suite of BMPs, including innovative or up-and-coming practices for which credits are currently under development
2. incorporates assumptions about the practicality of installing each type of BMP, so that the resulting scenarios are more achievable
3. includes cost data that has been adjusted for the Eastern Shore counties

The Center piloted the Tool with Talbot County, Kent County, Queen Anne's County, and Wicomico County and disseminated the Tool for use by other jurisdictions. The pilot studies showed use of the Tool could reduce costs by 25-67% over the original WIP strategies.

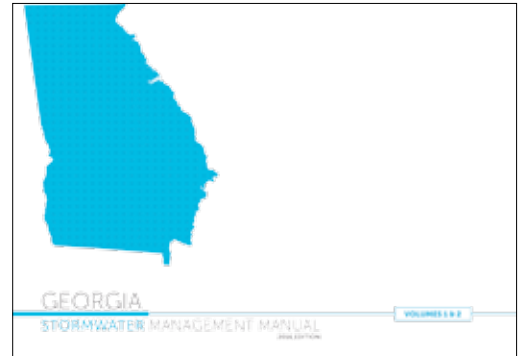
The Tool and associated documentation are available for download at <http://www.cwp.org/clean-water-optimization-tool/>.



## WATERSHED & STORMWATER SERVICES

### Georgia Stormwater Management Manual

This year, the Center and partners released the latest edition of the Georgia Stormwater Management Manual (GSMM). The GSMM is intended to be a guide for designers, developers, and communities to manage stormwater runoff from development projects. Volume 1 of the manual is directed toward local governments, providing guidance on the principles of good post construction stormwater management. A wide range of topics are covered, including:



- The negative impacts of stormwater runoff
- Better site design philosophies
- Recommended stormwater management standards
- Site plan review procedures
- Alternative compliance options
- Funding opportunities

Volume 2 of the manual is directed toward design professionals with stormwater Best Management Practice (BMP) specifications and associated calculation methods. An update from the 2001 edition, the new manual focuses on updates to guidance and practices. Better site design guidance has been improved, with more detailed, concrete actions and updates to the Planting and Soil Guidance. Several new BMPs were added to the manual, along with updated crediting calculations for all BMPs. Digital design details



now accompany those BMPs. The manual also now includes a very detailed operations and maintenance document. Perhaps most importantly, the existing Total Suspended Solids (TSS) removal standard has been revised to include a runoff reduction standard requiring that the first 1" of rainfall be retained on site. This new standard brings the GSMM in line with the 2009 Coastal Supplement to the Georgia Stormwater Management Manual, also authored by the Center for Watershed Protection.

The 2016 edition of the GSMM is the result of over a year of work by AECOM, the Center for Watershed Protection, Center Forward, Mandel Design, the Atlanta Regional Commission, the Georgia Environmental Protection Division, and many community stakeholders, and is available for download at [www.georgiastormwater.com](http://www.georgiastormwater.com).

## Getting Stormwater Practices in the Ground

Since our inception in 1992, the Center has gained national recognition for its stormwater research and education. Over the past several years, we have added design and construction of stormwater retrofit practices to our repertoire in order to maintain practical knowledge that helps to inform our guidance, and to better tailor our training to meet the needs of designers and construction firms. It's hard to save the world one practice at a time, but these projects also give us a chance to show off good stormwater design and demonstrate their success.



In 2015, the Center worked on design and construction oversight for numerous retrofit projects, such as bioretention, bioswales, and rain gardens. The projects are located across Maryland and Virginia and cover a variety of landscape settings and conditions. Some of the retrofits are demonstration projects on public land implemented with volunteers while others are highly engineered and were done in partnership with local governments and other engineering firms.



One of the projects constructed in 2015 through a grant from Maryland Department of Natural Resources included two bioretention facilities at Bethel Korean Church in our home city of Ellicott City, Maryland. The Center handled design, permitting, bid specifications and construction oversight for this project that prevents an estimated 9.2 pounds per year of nitrogen, 1.2 pounds per year of phosphorus and 1,351 pounds per year of sediment from

entering the Patapsco River. The Center is also monitoring the outflow from this system with grant funding from the National Fish and Wildlife Foundation in order to better quantify its benefits.



## WATERSHED & STORMWATER SERVICES

### Sniffing out Sewage Leaks in Vermont

The Center recently worked with Environmental Canine Services, LLC (ECS) and other partners to identify human sewage hotspots in the town of Bennington and the Village of Pawlet in southwestern Vermont. The Vermont Department of Environmental Conservation has been systematically supporting illicit discharge investigations in different parts of the state with the overall aim of reducing bacteria levels in its waterways and has been focusing its efforts recently in Bennington and Pawlet. In early 2015, Watershed Consulting associates had inspected outfall pipes in both locations to identify indicators of sewage discharges. At the same time, the Poultney Mettowee Natural Resources Conservation District conducted a door-to-door septic system survey in Pawlet to provide insight into whether and where failing septic systems are contributing to the bacteria problem. The project partners used the results of these efforts to target certain pipes and stream sections in each locality and brought in ECS to use their sewage sniffing dogs to detect human sewage.



The goal of the canine sewage sniffers is to detect potential human sewage in streams, springs, outfalls, catch basins, and manholes. Since the dogs are trained specifically to identify human sewage, it is not only quicker than conventional bacteria sampling; it also narrows down the source of the contaminant. The dogs' noses are able to pick up traces of sewage that may otherwise go undetected using conventional tracking methods. Once trained, the canines can take a sniff at catch basin or an outfall and identify within seconds if human wastewater is (or recently was) present, even at very low concentrations.

After three days of field work in Bennington and Pawlet, the canine team found at least three highly likely sources of wastewater pollution. Findings include: an underground spring flow that may be intermingling with a residential septic system and leaching sewage into the stream; a roof drain that may be funneling septic field leachate into a road-side ditch; and a sanitary sewer leaking into a storm drain pipe where they are in close proximity to each other under a street. A smoke test was conducted at one of these locations and an illegal connection was found. The property owner, the State, and the town are working to resolve this issue. The Center is using the lessons learned from this pilot study to inform an upcoming guidance manual for citizen groups on conducting bacteria monitoring in their local waterways.

# SPONSORS & DONORS

The Center is truly grateful to the Wallace Genetic Foundation for supporting the overall work of the Center.

## Webcast Series Sponsor

ARCADIS US, Inc.

## 2015 Friends of the Center

The Center is proud to list our Friends of the Center. We are particularly grateful to our Watershed Heroes, who have demonstrated exceptional commitment of at least \$500, and in many cases, much more! Thank you for helping the Center make a difference!

### ***Watershed Heroes***

Scott Scarfone  
Matthew Steinhilber  
Kathy Blaha  
Jeffrey Shinrock  
Han River Korean Delegation  
Willy Moore

### ***Blue Crab Boosters***

Alan Vicory  
Rebecca Winer-Skonovd  
Kris Prendergast  
Anne Vorce  
Diane Hoffman  
Hye Yeong Kwon

### ***Heron Heralders***

David Bulova  
Llyn Sharp  
Gregory Hoffmann  
Dianna M. Hogan  
Eric Bernsten  
Gloria Aparicio

### ***Salamander Supporters***

Richard Klein  
Laura Ganus, Water Words That Work

We also appreciate the hundreds of donors who made donations to the Center through their workplace giving campaign. In 2015, the Center received \$1,469.41 through the Conservation and Preservation Charities of America and Combined Federal Campaign, and \$644.81 from the MD Charity Campaign and United Way.

The Center hopes that you will help our ambitious efforts for protecting our nation's water quality by joining our Friends of the Center program or contributing through workplace giving.

## To make a tax-deductible gift

### **By mail:**

Please send your check to Center for Watershed Protection, 3290 North Ridge Road, Suite 290, Ellicott City, MD 21043. Attn. Friends of the Center.

### **Online:**

Go to our website at <http://www.cwp.org> and go to "Donate" to make a gift by credit card.

### **Payroll Deduction:**

As a member of the Conservation and Preservation Charities of America, the Center takes part in several workplace giving programs. We are listed as #11248 in the Combined Federal Campaign.

For more information on how you can protect our nation's watersheds, please visit our website at [www.cwp.org](http://www.cwp.org) or contact our office at 410.461.8323.

# PARTNERSHIPS

The Center values its partnerships with numerous agencies and organizations. These groups worked with us in 2015 to create meaningful opportunities for watershed protection and restoration nationwide:

## Watershed Associations

Back Creek Conservancy, MD  
Blue Water Baltimore, MD  
Friends of the Rappahannock, VA  
Friends of Sligo Creek, MD  
James River Association, VA  
Octoraro Watershed Association  
Ogeechee Riverkeeper  
Rivanna River Basin Commission, VA  
Spa Creek Conservancy, MD  
Tookany/Tacony-Frankford Watershed Partnership, PA  
Upper Neuse River Basin Association  
West Atlanta Watershed Alliance

## Local Governments

Anne Arundel County, MD  
Arlington County, VA  
Baltimore County, MD  
Berks County, PA  
Blair County, PA  
Campbell County, VA  
Carroll County, MD  
City of Atlanta, GA  
City of Charlottesville, VA  
City of Baltimore, MD  
City of Edmonton, AL (CA)  
City of Frederick, MD  
City of Fredericksburg, VA  
City of Hampton, VA  
City of Harrisonburg, VA  
City of Lynchburg, VA  
City of Philadelphia, PA  
City of Richmond, VA  
City of Salisbury, MD  
Clarke County, VA  
Ellicott City, MD  
Harford County, MD  
Howard County, MD  
Kent County, MD

Lebanon County, PA  
Lehigh County, PA  
Montgomery County, MD  
Queen Anne's County, MD  
Takoma Park, MD  
Talbot County, MD  
Town of Easton, MD  
Town of Kilmarnock, VA  
Town of Rising Sun, MD  
Village of Claiborne, MD  
Wicomico County, MD  
Worcester County, MD  
York County, PA

## State, Federal and Territorial Agencies

Commonwealth of the Northern Mariana Islands  
Bureau of Environmental and Coastal Quality  
Delaware Department of Natural Resources and Environment Control  
District of Columbia Department of Energy and Environment  
Georgia Environmental Protection Division  
Maryland Department of Natural Resources  
Maryland Port Authority  
Maryland Sea Grant  
NOAA Coral Reef Conservation Program  
New York Department of Environmental Conservation  
Pennsylvania Department of Environmental Protection  
South Carolina Sea Grant Consortium  
U.S. EPA Chesapeake Bay Program Office  
U.S. EPA Region IV  
U.S. EPA Office of Water  
U.S. Forest Service  
Vermont Department of Environmental Conservation  
Virginia Department of Environmental Quality



## Other Organizations and Companies

A. Morton Thomas  
Abell Foundation  
ACE Basin National Estuarine Research Reserve  
Acokeek First Church of God  
AECOM  
AG Environmental Psc  
Altria Group, Inc.  
Anne Arundel County Watershed Stewards Academy  
Atlanta Regional Commission  
Audubon Naturalist Society  
Belair Edison Neighborhoods, Inc.  
Bethel Korean Church  
BGE  
Biohabitats, Inc.  
Carl F. Kreutter, L.S.  
Chesapeake Bay Foundation  
Chesapeake Bay Trust  
Chesapeake Stormwater Network  
Civic Works, MD  
Civil and Environmental Services LLC  
Choose Clean Water Coalition  
Coastal Resources, Inc.  
Cornell Douglas Foundation  
Cooperative Institute for Coastal and Estuarine  
Environmental Technology  
Downstream Strategies  
Eastern Delaware County Stormwater Collaborative  
Ecosystem Services LLC  
Ecotone, Inc.  
Environmental Canine Services  
EQR, LLC  
France-Merrick Foundation  
Furbish  
George Mason University  
Glenstone Foundation  
Greeley and Hansen LLC

Hood College  
Horsley Witten Group  
Ittleson Foundation  
James Madison University  
Johnson, Mirmiran & Thompson (JMT)  
Keith Campbell Foundation for the Environment  
KCI Technologies, Inc.  
MARPAT Foundation  
National Aquarium  
National Fish & Wildlife Foundation  
National Science Foundation  
North Inlet Winyah-Bay Nation Estuarine  
Research Reserve  
Northrup Grumman Corporation  
Penn State University  
Piedmont Environmental Council  
Poultney Mettowee Conservation District (VT)  
Prince Charitable Trusts  
RK&K  
Shenandoah Valley Soil and Water  
Conservation District  
South River Science Team  
Stormwater Maintenance LLC  
Temple University  
Tetra Tech, Inc.  
Town Creek Foundation  
Union Bethel AME Church  
Virginia Environmental Endowment  
Virginia Polytechnic Institute and State University  
Wallace Genetic Foundation  
Walton Family Foundation  
Water Words That Work, LLC  
Waterfront Partnership of Baltimore, Inc.  
William Penn Foundation  
STANTEC (formerly Williamsburg  
Environmental Group)  
Susquehanna River Basin Commission  
Susquehanna River Heartland Coalition for  
Environmental Studies

# FINANCIAL REPORT

Based on audited figures for FY 2015. Copies of all financial documents are available at the Center's Ellicott City Office.

## Statement of Financial Position

December 31, 2015

### ASSETS

<b>CURRENT ASSETS</b>	
Cash and cash equivalents	\$ 625,016
Grants and contracts receivable:	
Federal government - unbilled	332,756
Other - billed	191,517
Other current assets	8,477
Total current assets	<u>1,157,766</u>
<b>INVESTMENTS</b>	<u>112,892</u>
<b>FURNITURE AND EQUIPMENT – at cost</b>	
Furniture	6,311
Computer equipment	<u>160,020</u>
	166,331
Less accumulated depreciation	<u>100,746</u>
Net value of furniture and equipment	<u>65,585</u>
<b>SECURITY DEPOSIT</b>	<u>4,522</u>
	<u>\$1,340,765</u>

### LIABILITIES AND NET ASSETS

<b>CURRENT LIABILITIES</b>	
Accounts payable	\$ 34,897
Accrued salaries and taxes payable	63,470
Accrued leave	44,021
Deferred revenue	<u>13,707</u>
Total current liabilities	156,095
<b>LONG-TERM LIABILITIES</b>	
Deferred rent	<u>13,224</u>
Total liabilities	<u>169,319</u>
<b>NET ASSETS</b>	
Unrestricted	994,509
Temporarily restricted	<u>176,937</u>
Total net assets	<u>1,171,446</u>
	<u>\$1,340,765</u>

## Statement of Activities

for the year ended December 2015

### Revenues

Federal government grants	\$ 662,295
Local government partnerships	1,227,818
Private foundation grants	327,396
Other grants	255,958
Individual and corporate donations	10,213
Workshops	36,699
Membership dues	21,455
Subscriptions	1,166
Advertising and sponsorships	1,500
Other revenue	1,261
Interest and dividends	12,354
Unrealized loss on investments	<u>(14,233)</u>
Total revenues	<u>2,543,882</u>

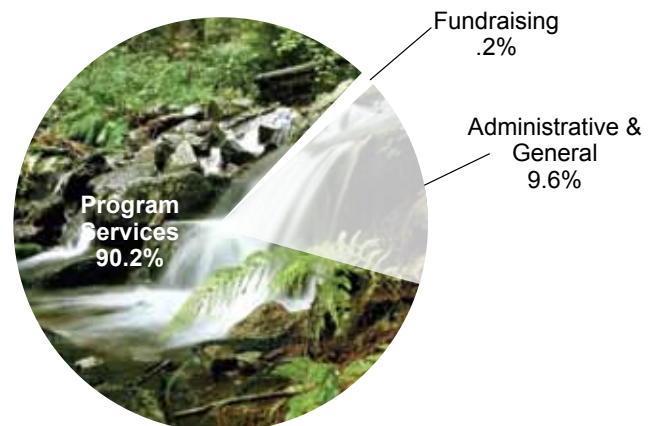
### Expenses

<b>Program services:</b>	
Membership	50,435
Research	207,448
Training	339,124
Watershed/Stormwater Services	<u>1,659,628</u>
Total program services	<u>2,256,635</u>
<b>Supporting services:</b>	
General and administrative	239,210
Fundraising	<u>5,765</u>
Total supporting services	<u>244,975</u>
Total expenses	<u>2,501,610</u>
<b>Change in Net Assets</b>	<b>42,272</b>
<b>Net Assets, Beginning</b>	<b><u>1,129,174</u></b>
<b>Net Assets, Ending</b>	<b><u>\$1,171,446</u></b>

## 2015 Revenue by Source



## 2015 Expenses by Category





# BOARD OF DIRECTORS

The Center is governed by a Board of Directors that provides strategic direction and oversight for the organization. Our current board members include:

**Matthew G. Steinhilber, Esq., President:** Matt is the Deputy General Counsel of the ACA Compliance Group, a leading provider of regulatory compliance products and solutions, cybersecurity and risk assessments, performance services, and technology solutions to regional, national, and global firms in the financial services industry.

**Carlton G. Epps, Sr., Vice President:** Over the Past 30 years, Carlton has managed finance and accounting functions and operational elements for the federal, state, and local government, as well as private and not for profit corporations. He is a decorated veteran of combat in Southeast Asia.

**Jeff Shinrock, Vice President:** Jeff is the Principal for Red Eagle Development. He provides management, technology, market planning strategies, sustainable construction and business solutions for corporate, government, non-profit, and construction clients.

**Michael Fowler, PE, Treasurer:** Mike is a senior manager with Wildlands Engineering, a Charlotte-based firm that focuses on ecological restoration and water resources engineering. Mike has over 20 years of experience in watershed planning, stormwater management, and stream and wetland restoration.

**Anwer Ahmed, PE, DWRE, ENV SP:** Anwer serves as the ARCADIS Water Division's Stormwater and Watersheds Practice Leader for the Technical Knowledge and Innovative Pillar. Anwer has over 25 years of professional experience in water resources engineering, watershed planning, urban stormwater management, MS4 compliance, and green infrastructure.

**Eric K. Berntsen, PH, CFM:** Eric is a habitat restoration specialist with the Kalispel Natural Resources Department in Usk, Washington. He has over 15 years of international experience in hydrology, geomorphology, stream and floodplain management and restoration, erosion and sediment control, low impact development, and landscape design.

**Hon. David L. Bulova:** David is a Member of the Virginia House of Delegates representing the 37th District and currently serves on the General Laws and Agriculture, Chesapeake, and Natural Resources committees. He is also Senior Planner at AMEC Earth & Environmental, Inc. and works to help local governments comply with state and federal environmental regulations.

**Richard E. Hall:** Richard is the Secretary of Planning and was appointed to the position by Governor Martin O'Malley in January 2007. An employee of the Maryland Department of Planning since 1992, Secretary Hall has more than 20 years of professional planning experience in private practice as well as at the municipal, county and state levels. Secretary Hall is a Maryland native and harbors a broad knowledge of the state's natural, built and cultural environments as well as its people.

**Rhea Harris:** Rhea serves as the Assistant Secretary/ Chief of Staff for the MD Department of Public Safety and Correctional Services. She has been in this position since May 2012. Prior to this position, Rhea served as the Legislative Director for the Department for 10 years. She is actively involved in the day to day operations of the Department which includes managing the Department's Headquarters office in Towson, and implementing the standards of the Federal Prison Rape Elimination Act of 2012. She manages the Board and Commissions of the Department as well as advises the Secretary and Deputy Secretaries.

**Gregory "Scott" Lang:** Scott is a Senior Vice President with KCI Technologies. KCI is a 1200 person multi-discipline civil and infrastructure engineering firm and Scott leads the firm's Construction Management Discipline, which provides owner's representative and at-risk construction services on projects in 15 states from Texas to Pennsylvania. Prior to joining KCI, Scott retired from the US Navy in 1998 after a career as a Civil Engineer and Navy diver.

**William H. Moore:** Willy is President of Southway Builders, Inc., a general contracting company that builds in both the commercial and multi-family residential markets, while having expertise in new construction, adaptive re-use, historic, and sustainable projects within the Mid-Atlantic region.

**Scott C. Scarfone, ASLA :** Scott is principal at and founder of Oasis Design Group, a landscape architecture and urban design firm in Baltimore, Maryland. He is a registered landscape architect in nine states and a certified professional horticulturist. In practice for 24 years, Scarfone has a broad range of design and project management experience ranging from large-scale planning and urban design to development of site-specific landscape design solutions and complex planting designs.

**Jacque Schingeck:** As the Vice President of Business Development at Century Engineering, Inc. Jacquie oversees the marketing/ business development for 6 offices. Her expertise includes, but is not limited to, developing strategy, generating leads, proposal preparation, public relations, website, and corporate events.

**Alan H. Vicory, Jr. P.E., BCEE:** Alan is the Executive Director and Chief Engineer for Stantec in Columbus, OH. He leads other professionals in water resource efforts related to watershed planning, stormwater control and floodplain management.

To learn more about the Board or Board service contact Hye Yeong Kwon at [hyk@cwp.org](mailto:hyk@cwp.org).

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## LOOKING AHEAD

In 2016, the Center is committed to strengthening outreach through a national webcast conference that expands the geography of our audience while continuing to forge community programs for job growth in the green infrastructure sector. Our audience should see more opportunities for members to interact with each other and improvements in the products and delivery of our membership services, including our Online Watershed Library (OWL) which is due for an update.

In addition, more outreach is planned for the Midwest and Southeast through the field offices in Illinois and South Carolina. The goal is to expand and deepen our commitment to providing services for these areas of the country while continuing to provide the nation with products and services grounded in research and practical application.

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