

# 2019

## ANNUAL REPORT



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



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The background of the page is a photograph of a stream with a concrete curb in the foreground. A large teal triangle is overlaid on the right side of the image, containing the text.

# Mission & History

The Center for Watershed Protection works to protect and restore our streams, rivers, lakes, wetlands and bays. Our experienced staff of scientists, planners and environmental professionals are the technical experts who help municipalities, advocates, policymakers and citizens get clean water projects in the ground.

Founded in 1992, the Center was established with the idea of creating a nonprofit organization dedicated to research and education on watersheds. With an initial focus on protecting urban streams from the impacts of land development, the organization has grown over the years to become a national leader on stormwater management and watershed planning.

The Center has continued to maintain the basic premise that watersheds are a logical focus point for environmental efforts, and our services have expanded to include membership and direct assistance to communities.

# ▶ Welcome



As we write this letter in mid-2020, in the midst of the COVID-19 pandemic and the Black Lives Matter movement, 2019 seems very far away. In spite of the significant and rapid changes that we are experiencing, the Center for Watershed Protection will continue to build on the positive accomplishments it made in 2019 through wise infrastructure investments and forward-thinking leadership.

One of the 2019 highlights was the accreditation of our Clean Water Certificate Program to ANSI/ASTM E2659. Ours was the first environmental program in the nation to receive this accreditation. The Clean Water Certificate Program is intended to provide unemployed and underemployed individuals with a path to career jobs with a livable wage. Nearly 50 individuals have begun working toward certification and two-thirds of them have been placed in living-wage jobs.

The Center continued to unapologetically advocate for, and improve the practice and science of, watershed and stormwater management and protection. During 2019 we expanded our work on national, state, and local level priorities and projects in the areas of tree conservation, water quality improvements, and stream restoration. 2019 also saw our membership grow to an all-time high of 800 CWPA (Center for Watershed Protection Association) members and an expansion in the training offerings available to CWPA members.

The talented Center for Watershed Protection staff have continued to work productively and safely in the new environment to provide our customers and partners with the high level of professionalism and expertise they have come to expect.

Because everyone lives in a watershed, we take our role and responsibility to serve, benefit, and support all communities and persons equitably and justly, very seriously. We recognize that all communities and persons should have access to clean safe water, and the ability to earn a living wage. More importantly we accept the responsibility and challenge to do all that we can to make these goals the reality.

We hope you will join us in this effort.

Hye Yeong Kwon

*Executive Director*

Handwritten signature of Hye Yeong Kwon in black ink.

Carlton Epps, Sr.

*Board President*

Handwritten signature of Carlton Epps, Sr. in black ink.

## ACCOMPLISHMENTS

# Membership



The Center for Watershed Protection Association (CWPA) membership program has grown tremendously over the last year and a half. Focusing on outreach, developing relationships, and regular communication with current members are a few of the reasons for our success. Our program encompasses several different types of members, including individuals, students, local and state governments, non-profits, universities, libraries, and corporations. Members gain access to exclusive discounts and member only events and information.

Recently we have added networking events to our member benefits, bringing professionals together to discuss ideas and share experiences in an informal, relaxed atmosphere.

Complimentary webcasts are now offered to select membership options to encourage groups to support CWPA while benefitting from educational programs. Popular webcast topics from 2019 have been on Nutrient Trading, Salt & Stormwater, and Tree Crediting for Stormwater to name a few.

Members receive many valuable benefits such as access to conference discounts, bi-monthly newsletters and access to our Online Watershed Library (OWL). In the last year, we have doubled the publications in OWL, offering close to 2,000 articles. Professional development hours are also provided for attending webcasts and conferences.

The Center continues to focus on growing membership by offering a specialty conference, increasing the number of educational webcasts offered, and offering special member pricing for partners in our Clean Water Certificate Training Program.

“ CWPA membership is made up of 900 professionals from government agencies, non-profits, consulting firms, and universities from 40 US states, and we have had members from 6 different countries. ”

## ACCOMPLISHMENTS

# Training



### Clean Water Certificate Training Program Receives National Accreditation

The Center's Clean Water Certificate Training Program for workforce development, which launched in Baltimore in 2017, teaches participants stormwater installation and maintenance skills and job-readiness competencies so they can secure living-wage jobs in the stormwater industry. In 2019, the Center continued to deliver this program in Maryland with Civic Works' Center for Sustainable Careers and the Army Corps of Engineers, and also work towards the higher goal of becoming accredited by the ANSI National Accreditation Board (ANAB) to the Standard Practice for Certificate Programs (ASTM E2659). The Clean Water Certificate Training Program has become the first environmental program in the nation to receive this type of accreditation.

*"ANAB congratulates the Center for Watershed Protection on the accreditation of its training program to ANSI/ASTM E2659. This accreditation means stormwater industry employers can have confidence that Clean Water Certificate Training Program certificate holders have completed a prescribed course of study specifically designed to meet predefined industry requirements and standards for quality improvement."*

– Lane Hallenbeck, Executive Director of ANAB

Receiving the ANAB accreditation means that the Clean Water Certificate Training Program meets the highest of standards, and that an independent and nationally-recognized organization has validated the effectiveness of the program. This will not only ensure the accountability of Clean Water Certificate Training Program as the Center works to expand it across the country, it will also benefit participants and potential industry employers looking for skilled employees.

Through the Clean Water Certificate Training Program, the Center partners with workforce development programs to help connect program graduates with a network of stormwater industry employers. The program includes classroom learning, hands-on activities, and field-based assessments to allow program participants to acquire core skills and knowledge in the construction, maintenance, and inspection of green stormwater infrastructure. To date, the Center has provided seven trainings—one for existing stormwater workforce and six for under- or unemployed individuals. More than two-thirds of participants found jobs. The Center will expand the Clean Water Certificate Training Program to a new location, New Orleans, in 2020.

## 2019 National Watershed & Stormwater Conference

From April 29<sup>th</sup> to May 2<sup>nd</sup>, the Center hosted its fourth annual National Watershed & Stormwater Conference in Charleston, South Carolina. This conference provides a forum for sharing fresh ideas on watershed and stormwater management principles and practices. In 2019, in keeping with the concerns of Charleston, the conference underscored the importance of coastal resiliency.

Over 250 attendees from 30 different states joined the Center in Charleston. Attendees were affiliated with a variety of organizations: federal, state, and local government agencies, consulting firms, universities, and non-profits—just to name a few. This was the first year that the National Watershed & Stormwater Conference was held outside of Maryland, and it was also the first year that the interface was exclusively face-to-face.

The conference was hosted at the Francis Marion Hotel in Charleston, South Carolina. This city is among the East Coast's most vulnerable metropolitan areas in the face of rising sea levels and a changing climate. Charleston is flanked by the Atlantic Ocean, peppered with freshwater lakes and ponds, and lined with rivers and tidal creeks. With all of those water resources—and the management and protection they require—this coastal stronghold was the perfect place for the Center's 2019 National Watershed & Stormwater Conference.

The 2019 National Watershed & Stormwater Conference was centered on a core of high-quality, interdisciplinary presentations and workshops with supplemental "add-on" field trips and activities that highlighted the water resources and management practices throughout Charleston. The presentations and workshops were slotted into the following primary tracks:

- Stream & Watershed Health
- Green Infrastructure
- BMPs, Monitoring, & Modeling
- Climate Change & Community Resilience
- Tools for Program Implementation
- Watershed Management & Regulatory Frameworks

The excellent speakers, diverse and engaged participants, and thirty-four industry sponsors helped to make this conference a tremendous success.



“This conference had a great balance of educational content, networking opportunities, type of sponsors, social events, and size.”

“The people representing the Center who attended the conference did a great job in demonstrating the importance of their sponsors and making them feel welcome and providing opportunities to make the sponsorship worthwhile. Thank you!”

## ACCOMPLISHMENTS

# Watershed & Stormwater Services



## Helping Historic New Market, Maryland Bring Stormwater Management into the Present

The Town of New Market, Maryland was established more than 200 years ago. As a result, runoff from the historic district, which was developed before the adoption of stormwater management regulations, flows untreated into storm drains and streams. Over the past two years, the Center has assisted the Town with efforts to better manage runoff from these areas to reduce pollution while also addressing other community concerns.

The work began in 2017, when the Center conducted an assessment for the Town to evaluate opportunities to install stormwater retrofits that reduce stormwater pollution. This work was funded by the National Fish and Wildlife Foundation and resulted in a Stormwater Retrofit Plan containing a prioritized list of 14 recommended stormwater retrofit projects. Of significance is the fact that the Town's population is too small to be regulated under the State's stormwater permit program, so any efforts to improve water quality by installing stormwater retrofits in the Town are entirely voluntary. The Stormwater Retrofit Plan provides a strategy for better managing stormwater runoff in the Town to improve water quality as well as to address localized drainage issues and meet other community goals. Implementation of the retrofits identified in the plan will help to reduce pollutants entering local streams, the Monocacy River and, ultimately, the Chesapeake Bay.

The top-ranked retrofit in the 2019 Stormwater Retrofit Plan is conversion of the Town's fire pond to a Step Pool Storm Conveyance System to address safety concerns and treat runoff from residential and commercial areas and roadways in the historic district. This project will help to improve the health of Walnut Run, a designated trout stream just downstream of the fire pond, and also addresses concerns about algae blooms and standing water and opens up a portion of the property for use by the community.

The Center has developed a complete design and acquired the necessary permits for the Step Pool Storm Conveyance System. Construction of the project will be completed in 2020, with the Center providing oversight. The Center assisted the Town with obtaining grant funds from the National Fish and Wildlife Foundation and Maryland Department of Natural Resources to pay for design, permitting and construction of this project. Next up, the Center will be designing another top-ranked retrofit from the Stormwater Retrofit Plan at a nearby school, through grant funding from the Maryland Department of the Environment.

This project shows that even a small town can make a difference. The Center is glad to have supported the Town in its efforts to improve stormwater management.



## ACCOMPLISHMENTS

# Watershed & Stormwater Services



### North Branch Bennett Creek Stream Restoration

The Center completed a \$1.3 million, three-year project to restore over 2/3 mile of stream at the Bar-T Mountainside property in Urbana, Maryland. The Center managed the overall project with design and construction support from Ecotone, and the work was funded by the Maryland Department of Natural Resources, Frederick County, and Baltimore Gas and Electric.

The North Branch of Little Bennett Creek flows through the 115-acre Bar-T Mountainside property, owned by Joe Richardson and operated as an outdoors summer camp and afterschool program. This project restored a 1,744-foot segment of the creek, which, prior to restoration, had three to four-foot high actively eroding stream banks. The floodplain had also been heavily impacted by legacy sediment and historic agricultural activities. These impacts disconnected the stream from its floodplain, reducing its ability to absorb floodwaters and filter out pollutants such as nitrogen and phosphorus.

The project realigned portions of the North Branch of Bennett Creek using sustainable design concepts and creating a more stable geometry. A natural sinuous stream pattern was developed to allow access to the existing floodplain, add diversity to the system, and create habitat. Restoration techniques included improving streamside vegetation and creating floodplain wetlands to improve groundwater and floodplain connectivity. Bioengineering practices were utilized to provide additional stability, shade, reduced water temperatures, and improved aquatic habitat. An additional 752 feet of an eroded unnamed tributary that was contributing sediment to the North Branch of Bennett Creek was restored along with approximately 1,215 feet of an ephemeral tributary that had become an eroded gully.

To accomplish the project, the Center teamed with Ecotone to design, permit, and construct the stream restoration. The Center managed the overall project, conducted stream assessments for crediting, and assisted with design and permitting. The Center also acted as the main point of contact for the landowner and all project funders. Ecotone led the design and permitting process and was the construction contractor.

In 20 years, North Branch Bennett Creek will evolve into a self-sustaining system that provides sediment storage, flood attenuation, and nutrient reductions along with habitat for a variety of fish species and other wildlife. In addition to providing these local improvements, this project has helped Frederick County make progress toward their Chesapeake Bay pollution reduction goals in a cost-effective manner and serves to educate students about streams. Joe Richardson and Bar-T Mountainside are taking advantage of the restored creeks and wetlands to expand the scope of environmental and scientific education offerings on the campus. This has included collecting and analyzing macroinvertebrate samples with students which will continue after construction to measure the project's ability to support aquatic organisms. For passive visitors, the educational mission of the camp is supported by a series of signs along a foot trail which describe the project, how it is beneficial, and the biota that now thrive in the area.

## ACCOMPLISHMENTS

# Watershed & Stormwater Services



Photo credit: Katharine Medellin



Photo credit: Katharine Medellin

## Helping the City of Raleigh Advance Tree Conservation to Improve Air and Water Quality

The City of Raleigh is one of the fastest growing urban areas in North Carolina with goals to develop with environmental protections to improve and protect air and water quality. The City recognized the importance of the urban forest as an integral part to achieve these goals. In 2019, the City secured the services of the Center to determine how the conservation and/or expansion of forest and tree canopy during development can help to improve water and air quality. This work was intended to address the following goal identified in the City's Strategic Plan: "Encourage a diverse, vibrant built environment that preserves and protects the community's natural resources while encouraging sustainable growth that complements existing development."

The Center partnered with Brown and Caldwell to complete several research tasks. These included:

- Evaluating the City of Raleigh's existing regulations and programs impacting tree conservation and planting against established benchmarks, using the Center's Forest-Friendly Code and Ordinance Worksheet.
- Summarizing the extent to which the City is utilizing the North Carolina Statute enabling legislation to protect urban tree canopy during development/redevelopment.
- Synthesizing the current state-of-the science on the relationship between urban forests and their water and air quality benefits.
- Review of models that can be used to quantify the water and air quality benefits of the urban forest.

The results of the regulatory review showed that the City has a strong program in place for tree conservation and expansion. The Center identified areas to improve or strengthen its tree conservation policies, thus increasing the ability to improve local air and water quality. Further, the Center's team made recommendations for the City on development of a modeling framework to quantify the effects of the urban forest on air quality, water quality and quantity and how future land use changes may impact these benefits. These recommendations provide the City with a path forward that includes next steps, a timeline, and costs that can be scaled to the City's available resources in subsequent phases. A Technical Advisory Committee comprised of six subject matter experts in hydrology, modeling and forestry provided review and input on all aspects of this project.

The City has been discussing the results of the regulatory review with its multi-departmental Strategic Planning group with an eye to advance recommendations from this project. The City is also exploring a possible nexus with its Communitywide Climate Action Plan.



## Guidance on Using the Roadside Ditch Network for Water Quality Improvement

In 2019, the Center published two guidance manuals related to the use of roadside ditches for water quality improvement. The need for this guidance was spurred by recent studies in the Chesapeake Bay watershed showing that the roadside ditch network may offer cost-effective locations for rural communities to install stormwater retrofit practices to achieve water quality goals, and that improving management of these ditches could also reduce nutrient and sediment pollution. Many areas of the Chesapeake Bay watershed, such as Maryland's Eastern Shore, have an extensive ditch network where these practices can be applied.

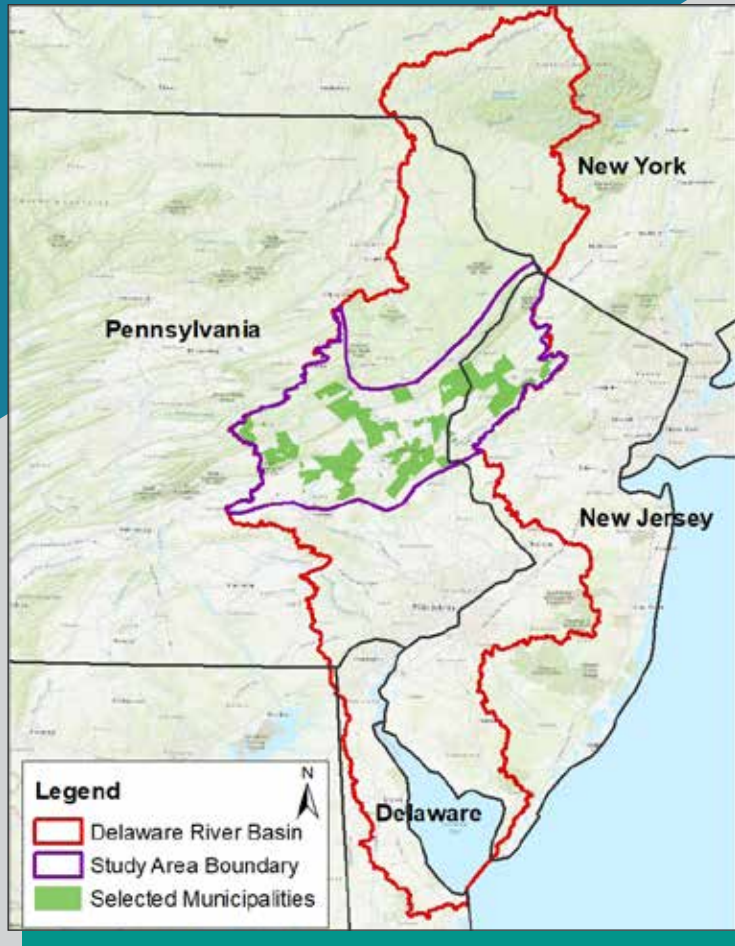
The Center worked with Hirschman Water & Environment to develop guidance for enhanced treatment by roadside ditch management practices for the Chesapeake Bay Program through a grant from the Chesapeake Bay Trust. The manual includes detailed design guidance for four types of ditch management practices. The design guidance addresses practice feasibility, minimum design specifications, sediment and nutrient crediting protocol and design examples, construction sequence and inspection procedures, procedures for project acceptance, reporting and crediting, maintenance tasks and visual indicators, and verification procedures. It also includes design guidelines for enhancing the nutrient removal performance of these practices in a format that can easily be incorporated into existing design specifications.

The Center developed a *Roadside Ditch Management Manual for Rural and Coastal Communities* for the Talbot County Department of Public Works. The manual provides guidance on roadside ditch management practices that improve water quality and can be incorporated into existing management programs in rural Eastern Shore communities. Many of the management practices involve low or no-cost modifications to normal ditch maintenance and some have the potential to decrease maintenance costs. The guidance covers both well-established maintenance improvements that could be easily incorporated into existing roadside ditch management programs, as well as more intensive efforts that can improve water quality during ditch management, such as ditch reconstruction.

*The roadside ditch network may offer cost-effective locations for rural communities to install stormwater retrofit practices to achieve water quality goals, and improving management of these ditches could also reduce nutrient and sediment pollution.*

## ACCOMPLISHMENTS

# Research



### An Evaluation of Municipal Policies and their Role in Protecting Forests from Development Impacts

Over the past eight years, the Center has expanded its reach to the Delaware River Basin, which spans four states and includes 42 counties and 838 municipalities. With the support from the Academy of Natural Science at Drexel University's *Delaware Watershed Research Fund*, the Center recently finalized a three-year research project in partnership with Rutgers University and the Pinchot Institute for Conservation to analyze the role of municipal land use controls in forest protection. The goal of the research was to identify areas of the Delaware River Basin that would benefit from improved regulatory protection for important forest lands such as streamside buffers.

In the first phase of the project, an advisory group made up of partners working on forest and streamside buffer policies and projects in the basin was established to help determine where to focus the study. This process resulted in selection of the Highlands and Ridge and Valley physiographic regions of the basin as the priority study area, followed by the random selection of 60 Pennsylvania and New Jersey municipalities within the study area that are representative of the different municipality types and levels of urbanization present there.

In the project's second phase, the Center conducted a review of municipal codes and ordinances related to streamside buffer and forest protection for 54 of the 60 municipalities. The Center's 2018 Forest-Friendly Code and Ordinance Worksheet was used for the review. This 52-question worksheet allows an in-depth review of a community's development regulations in terms of their ability to protect forests from clearing and other impacts during development. The review resulted in a score for each municipality that represents the percent of code elements that measure up to pre-established benchmarks.

Phase 3 involved comparing the municipality scores with a series of landcover metrics, such as the extent of forest within 50-foot, 100-foot, and 300-foot streamside zones. This spatial information was useful to understand the extent to which forest protection policies are related to the amount of forest measured through high-resolution mapping. The analyses were performed at the municipal, county, and state levels. Also in this phase of the project, the Center selected two of the 54 municipalities for a case study analysis to look more closely at how local development regulations may influence forest loss. For each case study community, the Center projected future forest cover under buildout conditions for two scenarios: 1) "status quo" and 2) "conservation." These case studies illustrate the potential impact of specific development code changes on reducing forest loss and the implications for water quality.

The project results help to strengthen our understanding of what makes forest protection regulations effective and will be used to guide where and how future ordinance work occurs in the basin.

# Sponsors & Donors

The Center is grateful to all our sponsors and donors. Thank you for helping the Center make a difference!

**Patron Program:**  
Ecotone, Inc.

## Conference Sponsors:

**Patron:** Ecotone

**Platinum:** KCI

**Gold:** McCormick Taylor, Bio Clean, a Forterra Company, APEX Companies, The Water Research Foundation, Rainwater Management Solutions

**Silver:** STV, Chesapeake Bay Trust, Ecosystem Planning & Restoration, Stalite Environmental, South Carolina Sea Grant, Xylem, Blocksom & Company, Arcadis, Old Castle Engineering, Mountain Pine Manufacturing, Jacobs Engineering

**Bronze:** Hatcher, Anderson, Davis & Associates, Day Deadrick Marshall Insurance, NPDES Training Institute, Redfin, Ecosystem Services, Prescott HR Consulting, Journal of South Carolina Water Resources, Ducks Unlimited, Luck Ecosystems, RK&K, CBI Systems, AbTech Industries Inc., PaverGuide, Carlisle Construction Materials, Ernst Seeds

## Friends of the Center:

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Karen Evans  
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Rhea L. Harris  
Gregory Hoffmann  
Hye Yeong Kwon  
Gregory "Scott" Lang

Michael Marcus  
Kimberly J. Min  
William H. Moore  
Scott Osborn  
Addison Palmer  
Wade Thomas  
Luis Valdivieso  
Alan H. Vicory, Jr.

We also appreciate the hundreds of people who made donations to the Center through their workplace giving and other campaigns such as the United Way, Network for Good, and the Amazon Smile Foundation.

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

Serving both clients and the community, the Center values its partnerships and the contributions that every sector provides. These groups worked with us in 2019 to create meaningful opportunities for watershed protection and restoration nationwide:

## Watershed Associations

Brodhead Watershed Association, PA  
Elizabeth River Project  
James River Association, VA  
Wyomissing Creek Watershed Coalition

## Local Governments

Albemarle County, VA  
Arlington County, VA  
Baltimore County, MD  
Beaufort County, SC  
Berkeley County, SC  
Carroll County, MD  
City of Austin, TX  
City of Beaufort, SC  
City of Charleston, SC  
City of Frederick, MD  
City of Hardeeville, SC  
City of Gainesville, GA  
City of Norfolk, VA  
City of Raleigh, NC  
City of Savannah, GA  
City of Waynesboro, VA  
Ephrata Borough, PA  
Fauquier County, VA  
Howard County, MD  
Jasper County, SC  
Lawrence County, PA  
Montgomery County, MD  
Prince George's County, MD

Talbot County, MD  
Town of Bluffton, SC  
Town of Boone, NC  
Town of Mount Pleasant, SC  
Town of New Market, MD  
Town of Port Royal, SC  
Town of Warrenton, VA  
Whitehall Township, PA  
Worcester County, MD  
York County, PA

## State, Tribal, Federal and Territorial Agencies

Delaware Department of Natural Resources and Environment Control  
District of Columbia Department of Energy and Environment  
Federal Highways Administration  
Maryland Department of the Environment  
Maryland Department of Natural Resources  
National Park Service  
Pennsylvania Department of Environmental Protection  
Pennsylvania Department of Transportation  
U.S. EPA Chesapeake Bay Program Office  
U.S. Forest Service

## Other Organizations and Companies

Aberdeen Proving Grounds  
Accokeek First Church of God  
Altria Group, Inc.  
Audubon Naturalist Society  
Bar-T Mountainside  
Baltimore Gas and Electric  
Brown and Caldwell  
Burnside Environmental Group  
Butler and Snow  
C.F. Kreutter & Associates, Inc.  
Cadmus Group  
Chesapeake Bay Trust  
Chesapeake Conservancy  
Chesapeake Stormwater Network  
Civic Works' Baltimore Center for  
Green Careers  
Corps Network  
Ecosystem Planning and  
Restoration, Inc.  
Ecosystem Services LLC  
Ecotone, Inc.  
Epping Forest, Inc.  
EQR, LLC  
Foundation for Pennsylvania  
Watersheds  
Great Valley Consultants  
Harry Hughes Center for Agro-Ecology  
Hirschman Water & Environment  
Interstate Commission on the Potomac  
River Basin

Keith Campbell Foundation for the  
Environment  
KCI Technologies, Inc.  
Lancaster Clean Water Partners  
Maryland Coastal Bays Program  
Maryland Environmental Service  
McCormick Taylor  
National Fish & Wildlife Foundation  
New England Interstate Water  
Pollution Control Commission  
Oak Hill Fund  
Ogleton Woods  
Pearlstone Center  
People for Change Coalition  
Piedmont Environmental Council  
Pinchot Institute for Conservation  
Rutgers University  
St. Paul's Rock Creek Church  
Stormwater Maintenance LLC  
Straughan Environmental  
The Conservation Fund  
The Nature Conservancy  
Union Bethel AME Church  
University of Connecticut  
University of Maryland Baltimore  
County  
University of British Columbia  
University of Maryland College Park  
University of Maryland Sea Grant  
Virginia Polytechnic Institute and  
State University  
William Penn Foundation



# Financial Report

Based on audited figures for FY 2019.  
Copies of all financial documents are available at the Center's Ellicott City Office.

## Statement of Financial Position December 31, 2019

### ASSETS

CURRENT ASSETS:	
Cash and cash equivalents	\$155,696
Grants and contracts receivable:	
Federal government - unbilled	458,052
Other - billed	90,254
Prepaid expenses	16,046
Total current assets	<u>720,048</u>
INVESTMENTS	<u>404,863</u>
FURNITURE AND EQUIPMENT - at cost:	
Furniture	6,311
Computer equipment	199,184
	205,494
Less accumulated depreciation	<u>164,970</u>
Net value of furniture and equipment	<u>40,525</u>
SECURITY DEPOSIT	<u>4,522</u>
Total assets	<u>\$1,169,958</u>

### LIABILITIES AND NET ASSETS

CURRENT LIABILITIES:	
Accounts payable	\$5,032
Accrued salaries and taxes payable	68,833
Accrued leave	50,007
Deferred rent - short-term	6,086
Deferred revenue	24,049
Total current liabilities	<u>154,007</u>
LONG-TERM LIABILITIES:	
Deferred rent - long-term	4,111
Total liabilities	<u>158,118</u>
NET ASSETS:	
Without donor restrictions	957,944
With donor restrictions	53,896
Total net assets	<u>1,011,840</u>
Total liabilities and net assets	<u>\$1,169,958</u>

## Statement of Activities

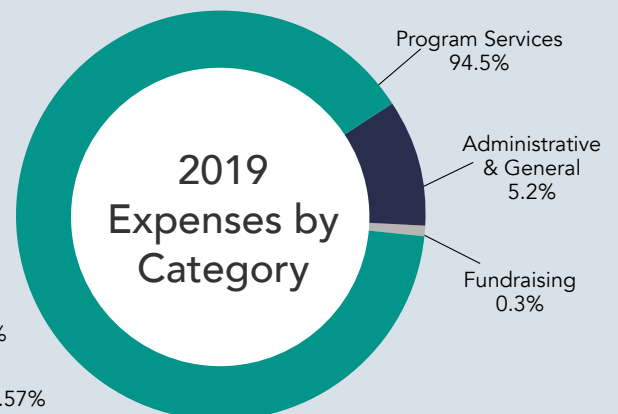
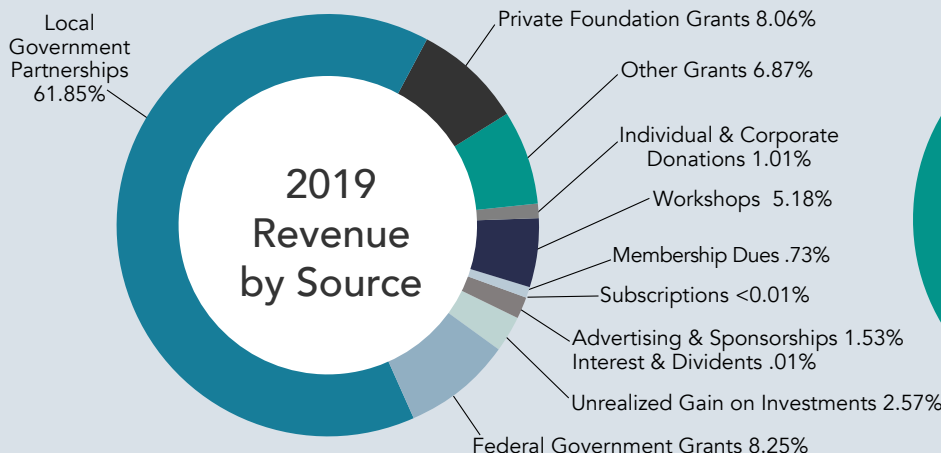
for the year ended December 31, 2019

### REVENUES, GRANTS, AND OTHER SUPPORT

Federal government grants	\$341,403
Local government partnerships	2,559,720
Private foundation grants	333,551
Other grants	284,487
Individual and corporate donations	41,639
Workshops	214,570
Membership dues, net of discounts	30,300
Subscriptions	67
Advertising and sponsorships	63,250
Interest and dividends	339
Unrealized gain (loss) on investments	106,411
Net assets released from restriction	162,846
Total revenues, grants, and other support	<u>4,138,583</u>

### EXPENSES

Program services:	
Membership	143,389
Research	155,636
Training	578,696
Watershed/Stormwater Services	2,661,933
Total program services	<u>3,539,654</u>
Supporting services:	
General and administrative	195,106
Fundraising	11,987
Total supporting services	<u>207,093</u>
Total expenses	<u>3,746,747</u>
Change in net assets	<u>391,836</u>
Net assets at beginning of year	566,108
Net assets at end of year	<u>\$957,944</u>







# 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:

**Carlton G. Epps, Sr., 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.

**Alan H. Vicory, Jr. P.E., BCEE, Vice President:** 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.

**Michael W. Freeburger, Jr, Treasurer:** Michael is currently the Vice President of External Financial Reporting at Revere Bank, and he has over ten total years of corporate accounting experience. Michael is an active CPA in the State of Maryland and served eight years in Maryland's Army National Guard.

**Anwer Ahmed, PE, DWRE, ENV SP, Secretary:** 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 experience in water resources engineering, watershed planning, and stormwater management.

**Karen Evans:** Karen joined Whiting-Turner as a project engineer in 1985 and became Vice President in 2012. Karen also serves as the company's Mid-Atlantic Regional LEED Coordinator which focuses on the latest technologies, tools and processes for sustainable buildings.

**Juanita Galbreath:** Juanita works for the Human Resources Institute and joined the Board in 2019.

**Rhea L. Harris:** Rhea L Harris serves as the Assistant Secretary for Programs and Services for the Department of Public Safety and Correctional Services. She is currently on assignment with the Maryland State Police for Colonel Pallozzi, assisting in Diversity and Recruitment.

**Gregory "Scott" Lang:** Scott is a Senior Vice President with KCI Technologies, a multi-discipline civil and infrastructure engineering firm. Scott leads the firm's Construction Management Discipline. Prior to joining KCI, Scott retired from the US Navy in 1998 after a career as a Civil Engineer and Navy diver.

**Michael Marcus:** Michael serves as Principal of Consultants for Community Resources which provides advocacy and consultation in the areas of aging, poverty, and community development. He previously led the Harry and Jeanette Weinberg Foundation's groundbreaking work serving older adults and caregivers.

**Kimberly J. Min:** Kimberly is a Partner at Whiteford, Taylor & Preston, LLP. As Co-Chair of the firm's real estate group, her practice represents clients in public finance transactions and institutional and entrepreneurial real estate transactions. She specializes in public/private partnerships and complex financing and tax credit structures.

**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 Osborn:** Scott is a business attorney with Davis, Agnor, Rapaport & Skalny, LLC who frequently counsels clients on business acquisitions, entity formation and structuring, franchise registration, franchise disclosure documents and franchise agreements, commercial leases, and construction contracts.

**Addison Palmer:** Addison is a Regional Manager for STV Incorporated, a 2000-person multidisciplinary architecture and engineering firm. Addison has managed some of the Baltimore region's most complex and high-profile redevelopment projects, which include innovative stormwater management solutions.

**Luis Valdivieso:** For over 16 years Luis has amassed extensive experience working with IT companies. In his current role as CEO of Epiphany Consulting LLC, he partners with companies to understand and capitalize on the business development, operations and sales processes necessary to be a successful IT organization in the state of Maryland.

**D'Andrea Walker:** D'Andrea is currently the Associate Director of Transportation for Prince George's County, Maryland. As the Chief Transportation Officer, Walker directly oversees the transportation needs of Maryland's second most populous county, serving nearly a million residents.

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# Looking Ahead

The Center will be quite busy in the coming year, with several of our stormwater retrofit projects in various stages of design, permitting and construction, and a steady stream of stormwater plan reviews expected for the District of Columbia. We will also finalize the draft Conowingo Watershed Implementation Plan, a roadmap for how the Chesapeake Bay jurisdictions, in partnership with federal and local governments, will prevent 6 million pounds of nitrogen from reaching the Bay. The plan, which is needed due to the loss of capacity in the reservoir behind the Conowingo Dam, will prioritize the lowest-cost strategies and integrate a financing strategy being developed by partners. Implementation for the Conowingo plan will focus heavily in Pennsylvania, where the Center will be expanding technical assistance to partners in Lancaster County through a “circuit rider” program. On the research side, the Center continues to expand and test methods for using digital elevation model differencing to prioritize stream restoration opportunities and quantify sediment and nutrient loads from stream bank erosion. We will also continue to expand our virtual training opportunities using technology such as Zoom and have planned a virtual Coastal & Island Conference for 2020.

The Center will also be updating its Strategic Plan which will identify priorities for the next five years. While the details are still in progress, we expect that the new plan will include a focus on reducing pollution from farms and advancing the implementation of cost-effective stream restoration projects. We should have plenty to report to our friends, partners and funders next year!

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In 2019, the Center met the Standards for Charitable Accountability set forth by the BBB's Wise Giving Alliance. Also, the Center is a platinum level participant in the GuideStar Exchange for nonprofit transparency.



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