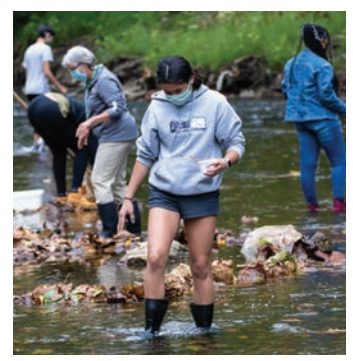




annual report 2020-2021





# 2020-2021 Year in Review



## WILDLIFE & HABITAT

**209,890** native trees, pollinator plants, marsh grasses, and other native plants installed

**60** acres of forests, stream buffers, seagrass beds, and wetlands created or restored

**33** acres of invasive species removed

Over **4 million** of oysters raised and released

## STORMWATER

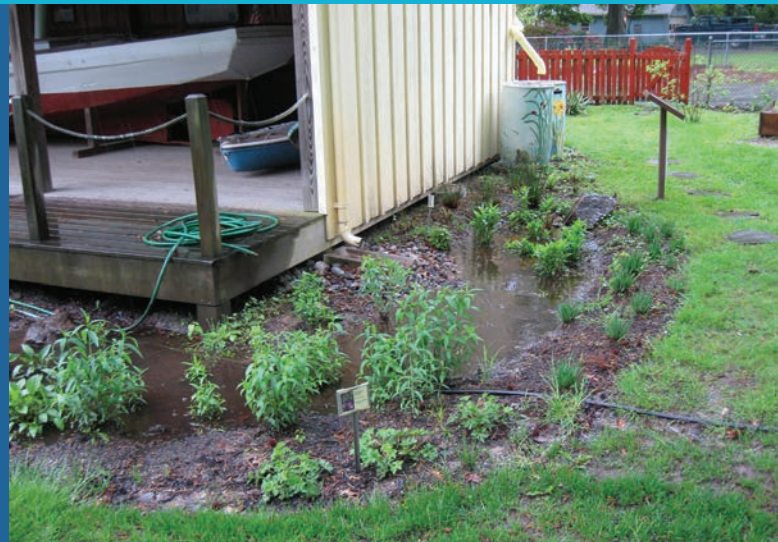
**24** acres of impervious surface treated or removed

**71,274** square feet of rain gardens created

**181** storm drains stenciled

**268** rain barrels installed

**119,258** pounds of trash removed, including single-use plastics that choke wildlife and harm our ecosystems' health



## EDUCATION & OUTREACH

**81,860** students engaged by **4,328** teachers

**33,849** people educated through **2,910** workshops

**18,170** volunteers engaged, donating **93,246** hours





# CHESAPEAKE BAY TRUST



## FISCAL YEAR 2021 LEADERSHIP

### GOVERNOR-APPOINTED TRUSTEES

**CHAIR OF THE BOARD**  
**Gary Jobson**  
*Jobson Sailing, Inc.*

**VICE CHAIR**  
**John R. Valliant**  
*Grayce B. Kerr Fund*

**TREASURER**  
**Anthony Murray Leigh**  
*U.S. Department of Veterans Affairs*

**SECRETARY**  
**Dr. Erica Anthony**  
*Morgan State University*

**Coretta Bennett**  
*Johns Hopkins University*

**Christopher M. Corchiarino, Esq.**  
*Queen Anne's County Commissioners*

**Joseph Farren**  
*Maryland Department of Labor*

**Brian Hart**  
*Gartner, Inc.*

**Henry H. Hopkins, Esq.**  
*T. Rowe Price (Retired)*

**Joe Koch**  
*Washington Area New Automobile Dealers Association*

**Dr. Thomas Miller**  
*Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science*

**The Honorable Todd Morgan**  
*St. Mary's County Board of Commissioners*

**Alexander G. Núñez**  
*BGE*

**Bryan Offutt**  
*E3 Ranch & Co.*

**Thomasina Poirot**  
*Venable LLP*

### EX OFFICIO TRUSTEES

**The Honorable Pam Beidle**  
*Maryland State Senate*

**The Honorable David Fraser-Hidalgo**  
*Maryland House of Delegates*

**Secretary Jeannie Haddaway-Riccio and Matt Fleming**  
*Maryland Department of Natural Resources*

**Jason Keppler**  
*Maryland Department of Agriculture*

**Matthew Rowe and Lee Currey**  
*Maryland Department of the Environment*

### COUNCILMEMBERS

**Beth Caro**  
*Tag and Title Service of Maryland*

**Thomas C. Ervin**  
*The Snyder-Ervin Group*

**F. Carter Heim**  
*HeimLantz, P.C.*

**Dr. Rhonda Jeter**  
*Bowie State University*

**Vernice Miller-Travis**  
*Metropolitan Group*

**John Quinn**  
*BGE*

### TRUSTEES COUNCIL

**The Honorable John Astle**  
**The Honorable Virginia Clagett**

**Paul Allen**

**Peter Byrnes**

**Fran Flanagan**

**John Griffin**

**W. Warren Hamel**

**Virginia Kearney**

**Midgett Parker**

**Martin Poretsky**

**Tara Potter**

**Terence Smith**

**Melanie Teems**

**Benjamin S. Wechsler**

The Chesapeake Bay Trust is a nonprofit, grant-making organization working towards a vision of healthy and safe watersheds in Maryland and the Chesapeake Bay region by empowering diverse groups to take actions that enrich natural resources and local communities. Since 1985, the Trust has awarded more than \$140 million in grants and projects for education, watershed restoration, capacity building, and science that have engaged over two million dedicated individuals.

## Our Core Values

### LEARNING

The Trust is constantly learning from a wide range of constituencies, including our collaborators, our grantees, and our critics, and is willing and able to embrace new approaches that help us meet our goals.

### SCIENCE AND INNOVATION

The Trust uses the best available natural and social scientific information to guide our actions. Where needs or information gaps exist, the Trust supports the pursuit of new tools and information.

### ENGAGEMENT OF A GRANTEE COMMUNITY

Our vision of healthy natural resources for all relies on a wide range of types of groups. Power exists in giving local on-the-ground groups ownership of projects that make a difference.

### DIVERSITY AND INCLUSION

The watershed will not be restored without a broad range of communities investing in their natural resources, reaping the benefits of a healthier environment and economic and health co-benefits. Success hinges on understanding and connecting to the values and interests of diverse, often under-engaged communities.

### FISCAL RESPONSIBILITY

The Trust holds itself to the highest standards as the steward of contributions made to the Trust.

### TRANSPARENCY AND ACCOUNTABILITY

The Trust uses transparent and rigorous decision-making in its management of contributions made to the Trust, in implementing our grant-making programs, and in operating internally.





# Letter from the President

The Chesapeake Bay Trust works to realize our vision of healthy watersheds by harnessing the power of groups and communities taking local action and leading hands-on natural resources- and community-based work. We know that when communities and groups own their work and sustain the outcomes, they are empowered to be part of long-lasting solutions to the challenges facing the our natural resources.

At first glance, one might think that during a year like 2020-2021, people would be focused on topics other than natural resources restoration, protection, and engagement. The entire fiscal year 2021 was marked by the challenges of COVID-19, with only glimmers of light with spring vaccinations. Many individuals and groups were exhausted and struggling.

However, our grantees and project leads did not slow down. They sped up. As a testament to their vision and resilience and the value of our shared outdoor spaces and natural resources during trying times, our awardees and Chesapeake Conservation Corps members worked tirelessly. The demand for the Trust's grant funds and other resources increased, rather than decreased, and the output of our awardees was higher than ever before. The Chesapeake Bay Trust awarded more funds through grants and projects than the prior year (\$12.2 million in FY21, compared to \$11.1 million in FY20), we supported more teachers and more students, and volunteers donated more hours to engage more people (albeit virtually) and restore more habitat on the ground.

COVID has been devastating, but we have all discovered silver linings as we leverage technology, get outdoors, and rediscover our natural spaces. We are so honored and proud to have been part of our grantees' journeys as they discovered these tools and forged ahead with planned projects and new work. Our communities and our watersheds are the better for it, as neighborhoods continue to be greened, more and more people draw the connections between their health and the health of our environment, and the Chesapeake Bay watershed itself continues to turn a corner.

Thank you to our grantees and project leads, whose stories you will see in the coming pages, for the aggregate effects of their work.

Jana Davis, Ph.D.  
President



## CHESAPEAKE BAY TRUST STAFF

Jana Davis, Ph.D.  
*President*

### FINANCE AND ADMINISTRATION

Jeanne Nelson  
*Vice President for Finance and Administration*

Heather Adams  
*Senior Finance and Administration Officer*

Sarah Higgins  
*Office Manager*

Millicent Goodger  
*Accounting Consultant*

### OUTREACH AND EDUCATION PROGRAMS

Kacey Wetzel  
*Vice President for Outreach and Education Programs*

Tara Drennan  
*Program Manager*

Emily Stransky  
*Senior Program Officer*

Joseph Toolan  
*Program Officer*

Rylee Kennedy  
*Program Assistant*

### RESTORATION PROGRAMS

Sadie Drescher  
*Vice President for Restoration Programs*

Sarah Koser  
*Program Manager*

Jeffrey Popp  
*Senior Program Officer*

Nguyen Le  
*Program Officer*

Katherine Somoza-Garcia  
*Program Coordinator*

Whitney Vong  
*Program Assistant*

### MARKETING

Terry Pompey  
*Marketing Officer*

### DEVELOPMENT

Suzanne Armstrong  
*Vice President for Development*

Sophia Griffin  
*Development Assistant*



*As so many organizations experienced, Trust staff did an incredible job staying in touch with each other and awardees throughout the pandemic via virtual meeting platforms. >>*





The Chesapeake Bay Trust works with many funding partners to collaboratively support natural resources projects in several key topic areas:

### EDUCATION:

We advance environmental education through student experiential learning, outdoor experiences, professional development for teachers, and curriculum development.

### RESTORATION:

We support the restoration of our bays, rivers, streams, forests, parks, and other natural systems in ways that engage communities and individuals.

### COMMUNITY ENGAGEMENT:

We foster human connection to our natural resources using methods that promote ownership and long-lasting changes in attitudes and behaviors.

### SCIENCE AND INNOVATION:

We work to advance science in many arenas in which we fund, such as best practices in environmental education, social science to change behaviors, and efficacy of restoration practices.

### CAPACITY BUILDING:

We aim to increase the effectiveness of individual organizations and groups of organizations working to advance natural resource restoration and protection.

# 2020-2021 Grants and Projects

The grants and projects below are funded through more than 20 sources. Funds generated by the Maryland Bay Plate and the donation line on the Maryland state tax form are only awarded to projects in Maryland.

## ALLEGANY

**Trout Unlimited Inc., \$114,411** to design the Sand Spring Run restoration project

**University of Maryland Center for Environmental Science, \$193,772** to develop a tool to screen restoration projects best suited for fish and invertebrate recovery

## ANNE ARUNDEL

**Alliance for the Chesapeake Bay, \$30,000** for a fundraising plan to diversify revenue sources

**Alliance for the Chesapeake Bay, \$50,000** to develop volunteer macroinvertebrate monitoring analysis protocols

**Annapolis Maritime Museum & Park, \$13,000** for an outdoor classroom at Back Creek Nature Park, expanding access to in-person outdoor learning

**Annapolis Maritime Museum & Park, \$20,000** to adapt the Box of Rain and School In Nature programs for virtual learning

**Annapolis Maritime Museum & Park, \$29,209** for educational signage and adult educational programming

**Anne Arundel County Public Schools, Arlington Echo Outdoor Education Center, \$5,000** for 30 teachers to integrate art, environment, and the outdoors in virtual learning curricula

**Anne Arundel County Public Schools, Arlington Echo Outdoor Education Center, \$73,620** for a boat-based curriculum for all 9th graders in the Environmental Science program

**Anne Arundel Watershed Stewards Academy, \$1,000** for the organization's annual conference

## Anne Arundel Watershed Stewards

**Academy, \$30,000** for a diversity, equity, inclusion, and justice assessment and plan

## Arlington Echo Outdoor Education

**Center, \$1,250** for a creative COVID-driven "outdoor window" virtual learning project

**Arundel Rivers Federation, \$16,521** to design stormwater management practices at St. Mark Methodist Church

**Arundel Rivers Federation, \$32,824** to design a stream enhancement project at the Preserve at Broad Creek

**Arundel Rivers Federation, \$221,960** to restore 1,000 linear feet of stream in Quiet Waters Park

**Arundel Rivers Federation, \$298,665** to replace a storm drainpipe with riparian floodplain, providing pollinator habitat, water quality benefit, and flood control

**Arundel Rivers Federation, \$302,569** for wetland and stream habitat enhancement in Broad Creek

**Arundel Rivers Federation, \$250** to present the State of the Rivers report card

**Arundel Rivers Federation, \$1,250** to study interactions of fishing and oyster reefs

**Cedar Ridge Homes Association, \$55,476** for a green alley project

**Chesapeake Bay Foundation, Inc., \$105,000** for three new outdoor K-12 learning networks, including curriculum design

**Chesapeake Conservancy, \$65,000** to help the Chesapeake Bay Program better understand priorities of historically underrepresented stakeholders

**Chesapeake Rivers Association, Inc., \$74,837** to design the Lindamoor outfall and living shoreline restoration project



## THANK YOU to our Funding Partners

We extend our thanks to our many federal, state, local, corporate, and foundation partners who enable us to expand our reach and make these projects possible. For a list of our partners, see page 16-17.

## THANK YOU to our External Technical Review Panelists

The Trust's ability to rigorously review and award diverse projects is enabled by the hundreds of independent experts who volunteer to review thousands of proposals. The Trust sincerely appreciates their time, effort, and involvement!

<< The Alliance for the Chesapeake Bay is working to develop macroinvertebrate sampling protocols that can be implemented by volunteers





# 2020-2021 Grants and Projects

**Chesapeake Rivers Association, Inc., \$169,969** to design the Back Creek Headwaters Restoration Project involving SPCA and Mariner's Point Community Association properties

**Chesapeake Rivers Association, Inc., \$274,880** for dam decommissioning and floodplain reconnection in the Belvoir Farm community

**City of Annapolis, \$65,000** to engage residents at the Housing Authority of the City of Annapolis to develop a community plan for Hawkins Cove

**Eastport Elementary PTA, \$4,938** for an outdoor classroom at Eastport Elementary School

**Magothy Meadows Homeowners Association, \$2,945** to plant 18 native trees and 10 shrubs

**Maryland Association of Floodplain and Stormwater Managers, \$1,000** to support their annual conference

**National Wildlife Federation, \$30,000** for the Young Professionals of Color mentorship program

**Nature Sacred, \$20,000** to quantify economic benefits of improved patient/employee health due to green spaces on hospital/medical facility grounds

**OpinionWorks LLC, \$74,692** to understand how people use public access sites, links to stewardship behavior, and barriers to underserved population use

**Oyster Recovery Partnership, Inc., \$30,000** for a diversity, equity, inclusion, and justice plan and constituent management system

**Oyster Recovery Partnership, Inc., \$49,999** to recruit waterfront communities and homeowners to care for cages of juvenile oysters

**RR & Associates, \$3,000** for outreach activities to help diversify the Chesapeake Conservation Corps as part of the Chesapeake Bay Trust's Diversity and Inclusion Initiative

**Scenic Rivers Land Trust, Inc., \$15,000** for leadership training and capacity-building support

**Scenic Rivers Land Trust, Inc., \$175,296** to protect 27 acres of forest and reforest 1.5 acres on Bodkin Creek

**Severn River Association, Inc., \$902** to create an oyster reef health monitoring program

**Severn River Association, Inc., \$1,496** for a Chesapeake Conservation Corps member-led training on biological survey methods

**Severn River Association, Inc., \$4,957** for a floating classroom and its use by 100 students

**Severn River Association, Inc., \$5,000** for the Oyster Reef Dive Program to monitor 104 million oysters planted over the past 11 years

**Smithsonian Environmental Research Center, \$1,250** for the public engagement about and monitoring of the river otter

**St. Martins-in-the-Field Episcopal School, \$5,000** for 227 students to learn about the impact of food systems and install a garden

**St. Philip's Episcopal Church, \$2,992** to stabilize a hillside with pollinator-friendly native vegetation

**The Tecumseh Condominium, \$32,250** for a stormwater management design plan

## BALTIMORE CITY

**3200 Carlisle Block Association, Inc., \$5,000** for 30 street trees, trash clean-ups, and a local workforce program

**Amazing Grace Lutheran Church, \$1,101** for a rain garden at Amazing Port Street Commons in the McElderry Park Community.

**Arlington Elementary Middle School #234, \$5,000** for 350 students to investigate the importance of soil health and impacts of stormwater



The Severn River Association developed an oyster monitoring dive program

**Backyard Basecamp, Inc., \$13,850** for an outdoor classroom at BLISS Meadows in the Frankford neighborhood

**Backyard Basecamp, Inc., \$45,465** for a bog and wetland at BLISS Meadows

**Baltimore Green Space, \$49,420** for invasive species removal at Springfield Woods

**Baltimore Tree Trust, \$1,250** for a transgender memorial tree planting and green space in Wyman Park Dell

**Blue Water Baltimore, \$30,000** to connect Belair-Edison and Cherry Hill residents experiencing sewage backups with assistance and teach connections to water quality

**Blue Water Baltimore, \$49,999** for 150 street trees in and engagement of the Cherry Hill neighborhood

**Bolton Hill Community Association, \$15,000** for a green streets concept plan for the Bolton Hill and Madison Park communities

**Bon Secours Unity Properties, \$34,065** for a green workforce program and revitalization of Pacific Park



The Oyster Recovery Partnership worked with waterfront communities to build and care for cages for juvenile oysters



The Smithsonian Environmental Research Center engaged citizen scientists to record data about river otters' behavior and abundance. Photo courtesy of Jerry Herman





# 2020-2021 Grants and Projects

**Brown Memorial Park Avenue Presbyterian Church, \$4,990** for cisterns and conservation landscaping

**C.A.R.E. Community Association, \$4,821** to transform a vacant lot into a pollinator garden for bees, birds, and butterflies

**Central Baltimore Partnership, \$48,127** to design a wetland at Union Collective, home of Union Craft Brewing

**Civic Works, Inc., \$16,500** for vacant lot greening in South Clifton Park

**Civic Works, Inc., \$30,000** for a stormwater workforce development program for residents from historically excluded communities

**Corner Team, Inc., \$5,757** for a pollinator garden built by members of Corner Team Boxing & Fitness Center's Youth Champions Club

**Delaware Maryland Synod ELCA, \$4,984** for trees on congregation properties, focusing on the intersection of the environmental and spiritual values of stewardship

**Friends of Gwynns Falls / Leakin Park, \$1,215** for a mural depicting 6 different native bird species

**Gaiacene Services LLC, \$145,000** with CityScape Engineering and Straughan Environmental Services, to provide support for low-capacity applicants to technical grant programs

**Garrett Heights Elementary Middle School, \$5,000** for 326 pre-K- 8th graders to install an outdoor classroom and paint storm drains

**Graceland Park O'Donnell Heights Elementary/ Middle School, \$4,570** for 240 4th-8th grade students to participate in a field experience to study pollution

**Interfaith Partners for the Chesapeake, \$13,124** to develop interfaith green teams at 7 houses of worship

**Interfaith Partners for the Chesapeake, \$15,000** to provide technical support for congregations to develop stormwater project ideas

**Living Classrooms Foundation, \$19,998** to develop videos, lesson plans, activity kits, and other COVID-era virtual curricula for 4th and 5th grade students

**Maryland Association for Environmental and Outdoor Education (MAEOE), \$1,000** for the MAEOE conference

**Maryland Association for Environmental and Outdoor Education (MAEOE), \$4,995** for outdoor education professional development for 25 middle school teachers

**National Aquarium, \$1,250** for the Jonestown Marine Debris Initiative, a plastics and litter community evaluation

**Nature Worx, Inc., \$4,900** to increase use of green spaces by City residents by providing nature-based wellness sessions at Masonville Cove

**Patterson Park Audubon Center, \$29,700** for the Baltimore Bird Ambassador project to reach 400 Latinx community members

**Rails-to-Trails Conservancy, \$5,000** to seek input from South Baltimore residents on the Baltimore Greenway Trails Network

**ReBUILD Metro, Inc. (f/k/a TRF Development Partners, Inc.), \$15,000** for a green infrastructure master plan for Greenmount Park

**ReBUILD Metro, Inc. (f/k/a TRF Development Partners, Inc.), \$36,775** to create the East Preston Pocket Park and train 30 local green team leaders and volunteers in greenspace maintenance

**Ridge to Reefs, \$50,000** for rainwater harvesting, pollinator habitat, and food production programs at Plantation Park Heights Urban Farm

**Seton Hill Association, Inc., \$15,283** for a tree planting project in the community

**St. Elizabeth School, Inc., \$3,807** for cisterns to funnel runoff from the horticultural building to gardens and a green house

**Stillmeadow Community Fellowship, \$4,999** for cisterns to capture stormwater runoff from the church roof and rain barrel workshops

**The 6th Branch, \$47,500** for the Broadway East Tree Nursery and youth workforce training program

**The Mayor and City Council of Baltimore, \$21,472** to increase tree canopy at Racheal Wilson Memorial Park in the Boyd-Booth community

**Tuscany Lombardy Community, \$4,500** to remove invasive species and replace with native trees and plants

**University of Maryland College Park, \$29,985** to assess harvested rainwater as an urban agriculture water source and build an educational program for urban growers

## BALTIMORE COUNTY

**Camp Puh'tok for Boys and Girls, Inc., \$1,250** for interpretive outdoor signs around Frog Hollow Pond and Wetland

**Camp Puh'tok for Boys and Girls, Inc., \$1,468** for a Chesapeake Conservation Corps riparian buffer training event

**Immaculate Conception School, \$5,000** for field trips for 108 4th and 5th graders to Meadowood Park, Conowingo Dam, and Deer Creek



The Youth Champions Club at the Corner Team Boxing & Fitness Center installed a pollinator garden



Volunteers at the Amazing Grace Lutheran Church improve their rain garden



Students at the Immaculate Conception School participate in a planting project



# 2020-2021 Grants and Projects

**Irvine Nature Center, \$4,780** for 30 6th graders to learn about local biodiversity

**Maryland State Fair & Agricultural Society, Inc., \$30,000** for a green infrastructure master plan for the Maryland State Fairgrounds

**NeighborSpace of Baltimore County, Inc., \$35,000** for impervious surface removal, native plantings, and a rain garden at Flannery Lane Park

**Pearlstone Conference & Retreat Center, \$30,602** for a bioretention and water stewardship outreach project

**Townhomes at the Pointe I, \$4,553** for a 2,000 square foot rain garden and native tree installation

**Towson Presbyterian Church, \$35,509** to design rain gardens and a cistern system

**University of Maryland Baltimore County, \$201,774** to determine stormwater management practices that best protect aquatic life from hot temperatures (thermal stress)

## CALVERT

**American Chestnut Land Trust, \$1,249** for a monitoring and restoration program for native amphibians

**American Chestnut Land Trust, \$1,500** for invasive species removal and trail maintenance by the Chesapeake Conservation Corps

**Morgan State University - Patuxent Environmental and Aquatic Research Laboratory, \$4,810** for educational videos about different aspects of the oyster industry (fishing, aquaculture, restaurants, academia)

**University of Maryland Center for Environmental Science, \$60,000** to use bay anchovy and polychaete data to develop potential indicators of forage species status and climate



Photo credit: Eileen Hornbaker, USFWS

College of Southern Maryland's Bee Campus USA chapter engaged families through a partnership with the Humane Society of Charles County to "foster out" monarch caterpillars as part of their "Butterflies for a Better Bay" program.

**University of Maryland Center for Environmental Science, \$74,990** to create a social science roadmap for Chesapeake restoration goals

## CAROLINE

**Adkins Arboretum, \$29,889** to formalize a partnership with ShoreRivers to share K-12 environmental education resources: educators and an outdoor programming site

**Commissioners of Ridgely, \$14,940** for a green streets concept plan for the town

**County Commissioners of Caroline County, \$2,850** for design of rain gardens and conservation plantings at Jonestown Community Park

**ShoreRivers, \$52,956** for the Poor House Run assessment and restoration plan

## CARROLL

**McDaniel College, \$35,000** for a forest and wetland restoration and the installation of a student-focused educational signage

**Quail Meadow Community Association, Inc., \$4,971** for native plantings at the community pond

## CECIL

**The High 5 Initiative, Inc., \$5,000** for community cleanup events focused on the Susquehanna, North East, and Elk Rivers

**Thomas Johnson Elementary/Middle School, \$5,000** for 70 8th graders to study marine debris issues

**Thomas Johnson Elementary/Middle School, \$5,000** for 60 7th graders to study marine debris issues



Chesapeake Conservation Corps members working at the American Chestnut Land Trust develop a restoration program for amphibians, creating "toad abodes" and "tree frog tubes."

**Thomas Johnson Elementary/Middle School, \$5,000** for 50 6th graders to study marine debris issues

## CHARLES

**Alliance for the Chesapeake Bay, \$41,777** to create meadow habitat at Serenity Farm and engage landowners

**College of Southern Maryland, \$4,998** to create native gardens and family education events to encourage fostering of Monarch butterflies

**Defensores de la Cuenca, \$21,391** for efforts to promote environmental stewardship within the Latinx community



McDaniel College students work on their forest and wetland restoration project.





# 2020-2021 Grants and Projects



Chesapeake Conservation Corps members with Maryland DNR monitor the Dwarf Wedge Mussel in the Nanjemoy Watershed



Hoopers Island Oyster Company is working on new technology to foster oyster larval settlement

**Maryland Department of Natural Resources (DNR), \$1,119** for monitoring and restoration of the federally listed dwarf wedge mussel

**Neighborhood Creative Arts Center, \$983** to support the NatureFest, a free family festival

**Southern Maryland Audubon Society, \$5,000** for community gardens at the Dorchester Community center and native plant workshops

## DORCHESTER

**Hoopers Island Oyster Company, \$4,997** to advance technology to allow oyster production to begin earlier in the season and reduce risk of disease

**ShoreRivers, \$12,432** for a green infrastructure plan for Saint Mary Refuge of Sinners and Star of the Sea Parish

**ShoreRivers, \$20,000** for an outdoor classroom at New Directions Learning Academy

**University of Maryland Center for Environmental Science, \$80,000** to assess rates of denitrification in on-bottom oyster restoration projects, allowing calculation of nitrogen removal credits

## FREDERICK

**Center for Watershed Protection, Inc., \$173,926** to design a stream restoration project at a non-profit youth soccer club

**City of Frederick, \$3,800** to install garden beds and rain barrels to promote community wellness, local food, and water conservation

**City of Frederick, \$15,000** for a green infrastructure master plan

**Environmental Leadership Program, \$9,800** for leadership training for Chesapeake Conservation Corps members at Blue Mountain Retreat Center in Knoxville

**The Banner School, Inc., \$3,154** for 155 K-8th graders to install native plants to decrease stormwater pollution

**Town of Emmitsburg, \$34,000** to design the Silo Hill detention basin restoration project

**Town of Thurmont, \$1,250** for a residential rain barrel distribution program

## HARFORD

**Alliance for the Chesapeake Bay, \$49,958** for an 11-acre reforestation project

**Churchville Presbyterian Congregation, \$13,400** to design bioretention cells to treat runoff from 22,000 square feet of church sanctuary roof

**Forever Maryland Foundation, \$1,000** for the Maryland Land Conservation Conference

**Gunpowder RIVERKEEPER, \$15,000** for an interactive website that translates individual behavioral pledges (goal of 1,000) into quantifiable pollution reduction loads

**Harford Land Trust, Inc., \$1,000** to develop a self-guided natural resources tour of preserved county land

**Harford Land Trust, Inc., \$1,000** to support farmland preservation and strengthening the local food supply chain

**Harford Land Trust, Inc., \$30,000** for a group of urban and rural land trusts (Lower Shore Land Trust, Baltimore Green Space, and NeighborSpace of Baltimore County) to learn together and increase fundraising capacity

**Havre de Grace Green Team, \$4,967** for the Todd Park Food Forest and a workshop on environmentally sustainable food-growing practices

**Interfaith Partners for the Chesapeake, \$11,673** to foster successful Green Teams at county congregations

**John Carroll School, \$92,840** to develop a campus greening plan and design stream and wetland enhancement

**Otter Point Creek Alliance, \$24,250** for website design and re-branding

**Susquehannock Wildlife Society, Inc., \$5,000** for trail interpretive signage on pollinator meadows, rain gardens, vernal pools, and stream restoration

**The Nature Conservancy, \$29,953** to work with farmers to implement advanced nutrient management and precision agriculture technologies

**Town of Bel Air, \$14,850** for a Green Street Concept Plan for Burns Alley, with a vision of a walkable business district with historical features, tree canopy, permeable services and water quality practices

## HOWARD

**Center for Watershed Protection, Inc., \$1,000** for the National Watershed and Stormwater Conference

**Center for Watershed Protection, Inc., \$16,365** for a pollution load reduction calculator to facilitate estimates of benefits of proposed stormwater projects

**Center for Watershed Protection, Inc., \$47,500** to identify key stressors of stream health that can best be alleviated by jurisdictions' management activities

**Center for Watershed Protection, Inc., \$90,000** to evaluate impact of stream restoration on forest buffer, advise on minimizing unintended impacts, and improve project site selection

**Ecosystem Planning and Restoration, \$354,576** to compare construction impacts of stream restoration done with and without stream diversion for ultimate policy guidance

**Friends of the Patapsco Valley Heritage Greenway, Inc., \$25,000** for 500 volunteers to conduct 8 stream cleanups, 6 invasive plant removals, 2 tree plantings, and storm drain labeling in Ellicott City

**Friends of the Patapsco Valley State Park, \$16,000** for Spanish-language natural resources educational programming





# 2020-2021 Grants and Projects



Harford Land Trust conducted an awareness campaign to illustrate value of local preserved farmland and local food networks and links with emergency food services during COVID

**Howard County Conservancy, Inc., \$4,989** for all county to 9th graders to evaluate water quality through a virtual watershed report card program

**Howard County Conservancy, Inc., \$25,130** for a 1-acre native tree and wildlife habitat project at the historic Mt. Pleasant Farmstead

**Howard EcoWorks, \$22,000** for property owners and communities to restore 5 acres of land and plant 1000 native plants

**Interfaith Partners for the Chesapeake, \$12,000** to foster successful Green Teams at county congregations

**Patapsco Heritage Greenway, Inc., \$1,250** for a water quality monitoring program to identify drastic changes in water quality, identify stewardship opportunities, and educate about land use and water quality links

**St. Peter's Episcopal School, \$4,750** for a nature play space/outdoor classroom

**Tanglewood Homeowners Association, \$4,682** for native trees and community engagement

**The Community Ecology Institute, \$30,000** for a green infrastructure plan for the Atholton High School campus

**The Community Ecology Institute, \$75,000** for a variety of demonstration stormwater practices at Freetown Farm

## KENT

**Chesapeake Bay Foundation, Inc., \$46,068** to restore 6 acres of wetlands at Harry Green Farm

**Ducks Unlimited, Inc., \$29,691** to educate agricultural producers about federal programs for wetlands conservation

**Eastern Shore Land Conservancy's Sassafras Environmental Education Center, \$5,000** for 435 10th-11th graders to investigate water quality in Turners Creek

**ShoreRivers, \$17,996** to design bioswales to reduce nuisance flooding at the community park in Galena

ShoreRivers created a "seed processing turbulator," new technology, to help them restore 24 acres of submerged aquatic vegetation

**ShoreRivers, \$49,903** for the Bayside Creeks watershed management plan

**ShoreRivers, \$52,238** for conservation action plans for five Eastern Shore dairy operations

**ShoreRivers, \$63,446** to restore 24 acres of submerged aquatic vegetation with volunteers and for a seed processing turbulator

**ShoreRivers, \$89,802** for the final phase of a stormwater bioretention project at Washington College

**ShoreRivers, \$110,000** to design the Turners Creek Park stream restoration project

**ShoreRivers, \$119,915** for an environmental literacy program for all 4th and 9th graders at Kent County Public Schools

**Sultana Education Foundation, \$1,250** for an agricultural, hydroponics, and aquaponics exhibit and curriculum

**Town of Galena, \$16,750** for a green infrastructure plan to address runoff and flooding in the business district

**Washington College, \$4,487** to create an oyster-focused curriculum for 9-12th grade students

## MONTGOMERY

**Alliance for the Chesapeake Bay, \$90,000** to install rain gardens, conservation landscaping, trees, and rain barrels at St. Catherine Labouré Catholic Church

**Anacostia Riverkeeper, \$30,242** to engage diverse Sligo Creek communities through volunteer water quality monitoring

**Anacostia Riverkeeper, \$50,000** for trash trap maintenance and monitoring

**Anacostia Riverkeeper, \$62,000** for rain gardens at Sharp Street United Methodist Church and Adventist Community Services

**Asbury Foundation, \$30,000** to engage Asbury Methodist Village residents in tree plantings and workshops

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$1,240** to remove invasives and plant native trees

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$10,126** for the "Service and Healing: Bringing Veterans and Nature Together" program using a wheelchair-accessible, streamside nature trail

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$20,836** for a watershed stewardship engagement project with the Latinx community

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$20,836** for "Si se Puede!" a bilingual watershed education program engaging 80 community members

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$29,983** to train home gardeners and Spanish-speaking landscape professionals to implement native conservation landscape plans



Volunteers finish a day of litter and invasives removal from a stream buffer as part of the Friends of the Patapsco Valley volunteer engagement project





# 2020-2021 Grants and Projects

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$30,000** to train community members and landscape professionals about conservation landscaping and native plants

**Audubon Naturalist Society of the Central Atlantic States, Inc., \$2,500** to support the *Naturally Latinos* and *Taking Nature Black* virtual conferences

**Bannockburn Community Club, \$50,000** for an impervious surface removal and green infrastructure project

**Bethesda Green, \$5,000** for an Environmental Leadership Program for 11th and 12th graders at three area high schools

**Casey Trees, \$75,000** for 325 street trees

**Chesapeake Conservation Landscaping Council, \$10,681** for virtual training curricula and a strategic plan

**Friends of Sligo Creek, \$60,061** for rain gardens and conservation landscaping at the Carolyn Condominium



Audubon Naturalist Society's "Service and Healing: Bringing Veterans and Nature Together" program developed a wheelchair accessible trail and developed a "forest bathing" program for veterans.

**Interfaith Partners for the Chesapeake, \$9,571** to virtually train green team members at 10 congregations in developing Action Plans

**Interfaith Partners for the Chesapeake, \$12,973** to build green teams at houses of worship in Gaithersburg

**Izaak Walton League of America (The), \$459** for Muddy Branch water quality monitoring to identify opportunities for improvement

**Izaak Walton League of America (The), \$30,923** to educate the public about interaction between winter road salt use, water quality, and wildlife

**Little Falls Watershed Alliance, \$30,000** for an innovative water quality monitoring project using autonomous environmental robots.

**Little Falls Watershed Alliance, \$32,635** to replace impervious with permeable surface in the Overlook Community

Potomac Riverkeeper Network, Rock Creek Conservancy, and EcoLatinos engaged 1,000 residents in stream monitoring activities



High school students learn about plastic litter with One Montgomery Green

**National Wildlife Federation, \$49,953** for the "Caring for Creation" program to improve stormwater management understanding among people of faith

**One Montgomery Green, \$5,000** for 40 high school students to learn about plastic waste and connections between local streams and marine health

**One Montgomery Green, \$5,000** for 25 students to learn how to reduce plastic waste

**Potomac Conservancy, \$29,262** for a volunteer native seed collection program in Montgomery and Frederick Counties to support locally sourced native trees

**Potomac Conservancy, \$30,000** for diversity, equity, inclusion, and justice training and integration into their strategic plan

**Potomac Riverkeeper Network, \$29,998** for a watershed stewardship and pollution awareness campaign with partners Rock Creek Conservancy and EcoLatinos

**The Springwell School, Inc., \$5,000** for 15 students to learn about composting and sustainable agriculture

**Town of Glen Echo, \$14,700** for a green streets concept plan

**University of Maryland - Environmental Finance Center, \$29,999** to recruit homeowners/civic associations to plan natural resource protection projects

**University System of Maryland Foundation, Inc., \$20,000** for a green infrastructure plan for the Glenwood Recreation Club to reduce flooding and treat stormwater



Springwell School students learn about composting and sustainable agriculture.

## PRINCE GEORGE'S

**Alice Ferguson Foundation, \$5,000** for environmental education professional development for 25 Prince George's, Charles, and Allegany Counties teachers

**Anacostia Riverkeeper, \$25,963** to engage Latinx faith-based organizations in the environment-health nexus, using risks of local fish consumption as an example

**Anacostia Watershed Society, \$4,876** for 200 elementary students to learn about wetlands through remote field trips

**Anacostia Watershed Society, \$30,000**, for an organizational diversity, equity, inclusion, and justice plan

**C.A. Lester and Associates, \$4,800** for a diversity, equity, inclusion, and justice training for the Chesapeake Conservation Corps

**Central Kenilworth Avenue Revitalization Community Development Corporation, Inc., \$133,736** to plant 300 fruit and shade trees

**Centro de Apoyo Familiar, \$15,000** to educate community members about natural resource rebate programs

**Centro de Apoyo Familiar, \$15,000** to connect churches and other community organizations through bilingual and culturally appropriate messaging to natural resource grant opportunities

**City of Hyattsville, \$15,000** for a green streets concept plan

**City of Hyattsville, \$36,702** for a replicable green alley design





# OUR IMPACT



Photo credit: Worcester County

Our vision is simple and shared by many: a healthy watershed in which we all do our part and where we all reap the benefits of our treasured natural resources. The Chesapeake Bay Trust's unique contribution to this vision is to empower a wide range of groups and individuals to do, to act, to play a role.

No one sector can do it alone: Environmental groups and governments certainly play key roles. But community-based organizations, faith-based groups, schools, other non-primarily environmental groups, businesses, and individuals are critically important, now more than ever.

Projects supported by the Trust are meant to have lasting impact on the ground, and perhaps even more importantly, to have a ripple effect that extends beyond the individual project in time and space. Each illustrates that natural resource projects can also improve human physical and mental health, community livability, recreation opportunities, jobs, climate change mitigation, and more. When the value of a body of work is demonstrated, more work will follow. In this way, \$1 invested by the Trust becomes many more times that as groups and individuals see value in investing to achieve these benefits.

The Trust uses a phased approach: We focus on school-aged children to encourage instillation of a stewardship ethic early. We support programs that engage adults. We provide tools and resources for all age groups to implement on-the-ground practices in their communities. When we do not know what to do or how to do it, we fund the science. And when we know what to do but we need more help or ability, we support capacity building.

While known in the community as a grant-maker, the Trust provides tools that extend beyond grants, and we do more than fund one project at a time: We convene experts to help shape strategy; provide technical assistance, network building, and capacity building to ensure there are groups that can implement the strategy; attract other funders to join with us in tackling the issue; then empower groups on the ground through grants and other resources to implement projects.

As a portfolio, the collection of 350 projects and 37 Corps members described in these pages gets us ever closer to our vision, breaking through challenges from multiple angles.

## ENVIRONMENTAL EDUCATION

The biggest investment we can make in ensuring that all residents have the power to improve our natural resources is in our children. Environmentally literate children grow up with a stewardship ethic that leads to stewardship actions as adults.

Our goal is that every child have three "Meaningful Watershed Education Experiences" (called MWEEs for short) before graduation from high school, and that every school system in our watershed have robust environmental literacy curricula.

This year, our grants provided tens of thousands of additional students with experiential education and hundreds of teachers with environmental education professional development. We also supported four additional school systems (Dorchester, Kent, Worcester, and Washington counties in Maryland) to add systemic environmental education programs so that *all* students in one or more key grade bands can be engaged year after year, independent of grant-funding, and we supported capacity building for school systems in Pennsylvania and West Virginia to add these programs as well. The impact of this work will be felt for generations to come as these students share their experiences with their peers and their parents, then grow up to make decisions that value and steward natural resources.





## ADULT AWARENESS AND BEHAVIOR CHANGE

In part because not all adults currently in the watershed received the level of environmental education that created a lasting stewardship ethic when they were children (and in part because we all can always benefit from more learning), the Trust also believes in supporting adult education. Over the last 10 years, the Trust has specialized in and become a regional leader in the social science of behavior change. We funded five projects this year that will provide key data and case studies that others will be able to use for future work on topics like litter reduction and homeowner landscape choices, and we supported tens of thousands more adults to participate in natural resources projects.

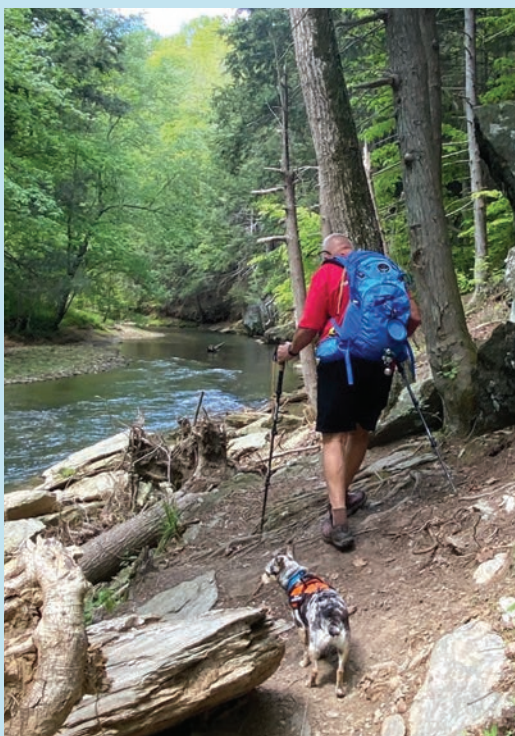


## RESTORATION

The Trust believes that it is imperative for on-the-ground groups to have the power and agency to make their own communities better and improve our watersheds. One of the best ways to share that power is to provide resources for groups to own their own projects. We believe such ownership is important for environmental groups who serve as our grantees, such as watershed organizations, as well as for organizations with non-primarily environmental missions, such as boy/girl scout troops, homeowners associations, civic groups, faith-based groups, schools, local governments and more. To that end, this year, the Trust funded hundreds of faith-based groups, local governments, HOAs, and more to take control of their own work. The staff and volunteers who were involved in these projects - who have pride in their work - will now spread the word through their networks.

## CAPACITY BUILDING

While we wish every group had the full ability to implement the work needed to realize our vision of a healthy and safe watershed, unfortunately not all do. The Trust's capacity building program is designed to thoughtfully identify groups uniquely positioned to make the biggest impact on improving our watersheds, then provide them with the resources to develop the capacity to play the kind of role that is needed. This year, the Trust supported 21 groups to strengthen themselves with work such as fundraising plans, financial systems, staff and board training, and more and identified five specific regions in which to invest in networks of cooperating groups.



## SCIENCE

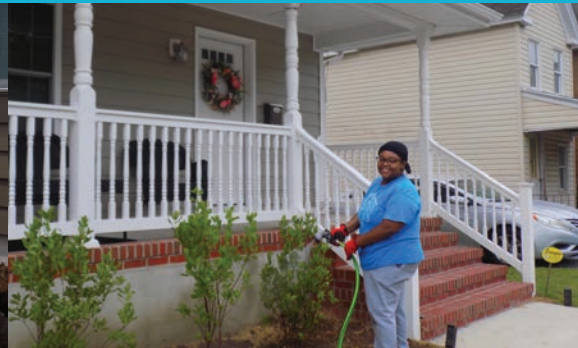
Often we know what needs to be done and who needs to do it, and those groups have the capacity to do so. Sometimes, however, there are debates about what practices should ultimately be implemented to have the biggest bang for the buck. We work on both social science (e.g., the science of behavior change - how to most efficiently engage and support key audiences to adopt practices that will improve water quality and habitat) and natural science topics. One example is the Trust's Pooled Monitoring Restoration Research program, which helps address debates and unknowns and ultimately improve efficiency of key restoration practices. This year, the Trust funded work to assess how stormwater practices are affected by deicing road salt, so we can design them better; to identify stream restoration projects most likely to provide habitat for fish and invertebrates, so reintroductions



can be explored; to understand impacts of restoration construction techniques, so we can more efficiently complete projects; to understand how to best protect aquatic life from thermal stress; and to update stormwater practice designs to account for climate change.



# 2020-2021 Grants and Projects



Chesapeake Audubon Society (Pickering Creek) and Habitat for Humanity Choptank worked with homeowners to create native plant gardens at homesites in Talbot and Dorchester

**City of Mount Rainier, \$142,441** to install 16 rain gardens along 30th and 33rd Avenues

**Cottage City, \$2,500** to enhance the Cottage City Community Garden through the installation of rain barrels, a pergola, and a green house

**Dance Exchange, \$5,000** for professional development for K-5 teachers to integrate environment and the arts

**Dance Exchange, \$30,319** for an arts-integrated environmental literacy pilot for kindergarten students in Prince George's County Public Schools

**Defensores de la Cuenca, \$7,000** to provide technical assistance to applicants under the Trust's Diversity and Inclusion Initiative

**Defensores de la Cuenca, \$15,000** to educate Spanish-speaking residents on watershed-health issues and restoration projects

**ECO City Farms, \$20,000** to transform their Sustainable Agriculture, Bees and Pollinators, Watershed Protection, and Compost and Worms programs into virtual and at-home kits

**EcoLatinos, Inc., \$29,748** to promote the County Rain Check Rebate Program to Spanish-speaking residents

**EcoLatinos, Inc., \$29,980** for a fundraising plan and training

**End Time Harvest Ministries, \$1,000** to support the 2020 Port Towns Youth Council and Pathways to Career Success Programs

**End Time Harvest Ministries, \$1,000** to support the 2021 Port Towns Youth Council and Pathways to Career Success Programs

**Laurel For the Patuxent, Inc., \$4,671** for a pollinator garden at Sweitzer Park and a campaign to promote residential conservation landscaping

**Maryland Association for Environmental and Outdoor Education (MAEOE), \$5,000** for outdoor classroom use professional development for 60 Prince George's teachers

**Mount Rainier Elementary School PTO, \$5,000** to replace impervious surface with native plants

**National Wildlife Federation, \$29,999** for the "Caring for Creation" multi-faith stormwater management program

**Neighborhood Design Center, \$15,000** to improve communications about street tree equity in communities of color

**Neighborhood Design Center, \$30,000** for a green infrastructure inspection/maintenance career-building program using digital media

**Prince George's County, Maryland, \$80,000** for design of a green street and tree planting in Mt. Rainier

**Project Bright Future, \$4,985** to work with St. Stephen Baptist Church and The Denney House on the "Clean Water for All Creation: Healthy Living & Clean Water" program

**The Green Habitat Inc, \$1856** for rain barrels at properties in Fort Washington, Brandywine, Temple hills, Accokeek, and Clinton

**The Low Impact Development Center, Inc., \$50,000** for a stormwater master plan for the Town of Cheverly

**Town of Edmonston, \$142,803** to install 10 rain gardens on Gallatin Street

**University of Maryland College Park, \$20,000** to design a green street in Forestville

**University of Maryland College Park, \$180,000** to design the Campus Creek restoration and Pond Retrofit projects

**Washington Area Bicyclist Association, \$5,000** for bilingual litter cleanups and bike rides to promote stewardship of local natural resources

## QUEEN ANNE'S

**Grasonville Elementary School, \$4,462** for 88 4th-graders to design and plant a rain garden on school grounds

The 4STEPS Therapeutic Riding Program developed the Wango Reptile Riders Snake Survey to engage special needs and at-risk teens in hands-on science.

## SAINT MARY'S

**Ridge Elementary School, \$5,000** for 112 3rd-5th graders students to install an outdoor classroom

## TALBOT

**Chesapeake Audubon Society, \$29,726** to partner with Habitat for Humanity to create native plant gardens at homesites in Talbot and Dorchester

**Mid-shore Community Foundation, \$16,126** for the "Envision the Choptank" program in which disenfranchised communities will develop community restoration plans

**ShoreRivers, \$31,859** to engage two communities in the implementation of conservation planting projects

**ShoreRivers, \$81,896** to design the Sears Farm stream restoration project

**Talbot County Public Schools, \$5,000** for 354 6th graders to plan and restore a wetland

**Tilghman on Chesapeake Community Association, \$3,814** to transform mowed turf into a wetland and native plant habitat

## WASHINGTON

**Washington County Public Schools, \$39,952** to integrate environmental education into the 2nd and 6th grades at all 33 elementary and middle schools





# 2020-2021 Grants and Projects

## WICOMICO

**4STEPS Therapeutic Riding Program, \$5,000** for ten special needs, at-risk teenagers and young adults to conduct a reptile survey

**City of Salisbury, \$100,000** to transform East and West Carroll Street into a green street

**Fenix Youth Project, \$4,998** for 25 students to study industrial chemical impact and create an urban mural

**Interfaith Partners for the Chesapeake, \$6,892** to develop green teams at faith communities in Salisbury

**Lesley and Evelyn Holmes Foundation, \$1,162** for high school students to participate in a summer litter clean up and reduction program

**St. Peter's Episcopal Church, \$64,358** to replace impervious parking surface with permeable pavement and native plantings

**Ward Foundation, \$17,785** for new socially distanced, virtual, and hybrid programs at the Museum



The Interfaith Partners for the Chesapeake worked with several congregations in Salisbury on water quality projects, including this pervious parking lot at St. Peter's.

**Maryland Coastal Bays Program, \$1,500** to create terrapin nesting sites with the Chesapeake Conservation Corps

**The Nature Conservancy, \$1,250** to study how prescribed burns affect carbon sequestration and vegetation resiliency at Nassawango Creek Preserve

**Worcester County Public Schools, \$109,455** for environmental literacy curricula for all county 9th and 10th graders

## MARYLAND-WIDE

**Path Forward Consulting, \$6,500** for a diversity, equity, and inclusion training for Chesapeake Conservation Corps Members

## DELAWARE

**Laura Paul, \$20,000** to synthesize existing literature quantifying the adoption rates of rain gardens, rain barrels, and tree planting behaviors

**Nanticoke Watershed Alliance, \$100,000** for a green street along Conwell Street in Seaford

**Town of Laurel, \$99,000** for bioretention gardens at the Dunbar Building in Laurel

## PENNSYLVANIA

**Alliance for the Chesapeake Bay, \$1,031** for the "Bee Better Native Plant" program focused on native pollinators

**Citizens For Pennsylvania's Future, \$29,732** for a diversity, equity, inclusion, and justice plan

**City of Lancaster, Pennsylvania, \$151,251** to implement a green street project on Landis Drive

**Conservation Foundation of Lancaster County, \$26,250** for the Lancaster Clean Water Partners' Lancaster Countywide Action Plan

**Interfaith Partners for the Chesapeake, \$29,934** to create a spacial data set of faith-owned properties in Lancaster and in Maryland

**Lacawac Sanctuary, \$5,000** for 3rd-5th graders in Wayne County to investigate the health of the Lacawac River

**Lancaster Farmland Trust, \$27,780** for technology upgrades to enhance land protection and stewardship programs

**Oxford Borough, \$14,847** to jump start borough green infrastructure work with the first green street plan for the downtown business area

**Stroud Water Research Center, \$14,442** to create virtual watershed education programs and modify in-person stream studies for schools

**The Pennsylvania State University, \$196,183** to assess efficacy of stormwater practices upon addition of deicer road salt

## VIRGINIA

**Achilles Elementary School, \$2,685** for 380 pre-K- 12th graders to learn about healthy ecosystems and waterways.

**Alliance for the Shenandoah Valley, \$29,950** for diversity, equity, inclusion, and justice training and capacity building

**Blue Sky Fund, \$5,000** for 925 Richmond Public School 4th graders to investigate James River water quality

**Blue Sky Fund, \$20,000** to shift the Explorers program, which serves Richmond's lowest income neighborhoods, to a virtual format due to COVID



Chesapeake Conservation Corps members with the Nature Conservancy implement a prescribed burn program at Nassawango Creek Preserve, studying effects on carbon sequestration and soil fertility

## WORCESTER

**Katie Kavanagh - Maryland Coastal Bays Program, \$73,070** for a watershed action plan for the Newport, Sinepuxent, and Chincoteague Bays

**Lower Shore Land Trust, \$500** to promote native plants and pollinator gardens through outreach events

**Lower Shore Land Trust, \$1,250** to improve the Olive Lippoldt Tidal Wetland Garden at Cypress Park in Pocomoke City

**Maryland Coastal Bays Program, \$1,250** to create a terrapin nesting sanctuary accessible to the public in Ocean City



Terrapin nesting sanctuaries were created in Ocean City by the Maryland Coastal Bays Program

Penn State scientists study impact of deicing techniques on function of stormwater management practices





# 2020-2021 Grants and Projects



Henrico County Public School students paint storm drains with the James River Association

**Boxerwood Education Association, \$19,990** to realign and enhance environmental education curricula during COVID

**Capital Region Land Conservancy, \$30,000** to support a diversity, equity, inclusion, and justice audit, community needs assessment, and plan

**Crow's Nest Research Center, \$5,000** to train teachers to use nature journaling

**Eastern Research Group, Inc., \$69,983** to run local government planner natural resource workshops

**Fairfax County Park Foundation Inc., \$5,000** for an outdoor field trip for 2,250 Title I 4th-5th graders

**Friends of Richmond Community High School, \$5,000** for 75 9th-10th graders to investigate climate change impacts on the health of local waterways

**Friends of the Rappahannock, \$4,715** to educate stakeholders in the Northern Neck and Middle Peninsula about oyster aquaculture and oyster health

**Friends of the Rappahannock, \$10,247** to create new fundraising, outreach and volunteer program plans that account for COVID restrictions

**Green Fin Studio, \$9,500** to create an interactive online tool for citizen environmental stewardship data use and analysis

**James River Association, \$4,969** for oyster educational materials for K-12 students in the Newport News public school system

**James River Association, \$4,999** for 10th-12th graders from Newport News Public Schools to set up oyster gardening floats, collect oyster data, and participate in two boat-related field experiences

**James River Association, \$5,000** for 200 fifth graders in Henrico County Public Schools to study stormwater pollution and paint storm drains

**James River Association, \$5,000** for 300 students to study stormwater pollution and 25 teachers to receive environmental education professional development

**Nansemond Indian Tribal Association, \$5,000** for oyster educational materials for K-12 students

**Northern Virginia Conservation Trust, \$17,249** to develop a strategic conservation plan considering natural, historic, and cultural values

**Skeo Solutions, Inc., \$69,943** to develop standards for conservation of green spaces in underrepresented and low-income communities

**Skyline High School, \$5,000** to expand their wildlife/pollinator garden to include spaces for 40+ Pre-K students and special needs students to participate

**Tetra Tech, Inc., \$228,436** to update stormwater design guidance to account for climate change-induced rainfall pattern changes

**Virginia Institute of Marine Science, \$5,000** to compare post-settlement juvenile oyster growth and mortality among rivers

**Virginia Institute of Marine Science, \$72,418** to provide guidance for marsh conservation and restoration under multiple sea level rise scenarios

**Virginia Institute of Marine Science, \$75,000** to examine how climate change will impact submersed aquatic vegetation (SAV)

## WASHINGTON, D.C.

**Anacostia Watershed Society, \$15,500** for land and water stewardship activities for 20 Ward 8 high school students

**Clean Water Fund, \$5,000** to connect with communities whose missions are not predominately environmentally focused, increasing interest in natural resources grant programs

**Designgreen LLC, \$4,960** for a stormwater and flooding treatment concept plan for a neighborhood including housing and a church

Virginia Institute of Marine Science researchers will evaluate how climate change will impact submersed aquatic vegetation (SAV).

**Friends of Oxon Run Park, \$5,000** to assist new applicants, predominantly those with non-environmental missions, to apply to natural resource grant programs

**Friends of Peirce Mill, \$7,200** for a COVID-safe live virtual program and field trip for DC Public School 3rd graders

**Friends of the National Arboretum, \$19,985** for Grow-at-Home kits for 2,000 students and safely-distanced Family Days for high-needs school communities

**Friendship Public Charter School, \$10,000** for urban agriculture infrastructure at their Wards 7 and 8 campuses

**Friendship Public Charter School, \$20,000** for rain barrels and an artistic vertical garden using native pollinator-friendly plants

**Garfield Terrace Senior Citizens, \$9,574** for a sustainable food system in communities of color and educational programs for youth at farm sites

**Hope Pilgrim LLC, \$3,902** for sustainable agriculture engagement of Black farmers

**International City County Management Association, \$19,750** to identify financing strategies for local governments to support green infrastructure/climate resiliency practices

**LeDroit Park Community Garden, \$4,580** for garden beds at the LeDroit Park Community Garden

**Live It Learn It, \$5,000** for 200 5th graders to take virtual field trips, including a deep dive in the Atlantic, and investigate plastic pollution in the oceans and Anacostia River





# 2020-2021 Grants and Projects



Students with Live It Learn It study how trash pollution affects stream habitats and their inhabitants

**National Wildlife Federation, \$4,893** to support a partnership of three Ward 7 and 8 churches under the Caring for Creation Program and a rain garden at East Washington Heights Baptist Church

**Near Southeast Community Partners, \$3,600** to support the stormwater management workforce training program "Lluvia Verde: Green Career Training for DC Latinos"

**Near Southeast Community Partners, \$15,000** for the "Lluvia Verde: Green Career Training for DC Latinos," a stormwater workforce program

**Pipkin Creative Communications, \$19,747** for a bay-themed mural to amplify environmental stewardship messages

**Potomac Riverkeeper Network, \$29,998** for a diversity, equity, inclusion, and justice assessment and training

**Shorter-Gooden Consulting, \$18,000** for a diversity, equity, inclusion, and justice training series for Trust staff

**The Green Scheme, \$5,000** to promote the Ward 8 Water Watcher program to families through nature walks, healthy produce, creek critters, litter pickups, art, and boat rides

**The Urban Studio, \$20,000** for high school virtual learning modules on stormwater challenges and solutions

**Urban Learning and Teaching Center, \$5,005** to add COVID-safe outdoor elements to the Cleveland Elementary School's fourth and fifth grade students' "Waterway Guardians in Shaw" program

**Ward 8 Woods Conservancy, \$4,994** for litter clean up and invasive species removal at Fort Stanton Park

**Ward 8 Woods Conservancy, \$19,860** to engage residents in the revitalization of Fort Stanton Park

## WEST VIRGINIA

**Capon Bridge Revitalization Group, Inc., \$78,500** for a green street along the main route to two schools, the town park, sheriff's office, churches, and art and music schools

**Local Concepts LLC, \$90,000** to support two environmental education networks in West Virginia and Pennsylvania

**Town of Bath, \$30,000** for stormwater management system in a former impervious urban brownfield

**West Virginia Rivers Coalition, \$12,480** to strengthen their social media communications program

## WATERSHED-WIDE

**Action Research, \$49,987** to develop guidance on shoreline protection options for landowners

**T.J. Boyle Associates, LLC, \$9,231** to develop methodology to quantify visual impacts to scenic landscapes

**ThirdSpace Action Lab LLC, \$124,425** for a diversity, equity, inclusion, and justice training series for funders and nonprofits

## TREASURE THE CHESAPEAKE

Thank you to the more than 100 small and large businesses, partner organizations, families, and individuals who supported our signature gala in August despite the uncertainties related to the global pandemic. Many joined us in-person over waterfront views at our event at the Baltimore Museum of Industry. Others celebrated with us in spirit and by shopping our silent auction. Even in this challenging year, the Trust has ever-increasing demand for our grant funds, and our Treasure the Chesapeake supporters raised more than \$125,000 that will go directly to our grantees' hands-on restoration, outreach, and environmental education projects throughout the Chesapeake Bay watershed.

We extend our sincerest gratitude to our invaluable Sponsors:



Bacchus • Center for Watershed Protection • CovingtonAlaina • Alan and Lynda Davis • Dr. Jana Davis • Charles C. Deegan, Chairman, Critical Area Commission • Ecological Restoration and Management, Inc. • Louis Forezzi • Giant Foods • Gross, Mendelsohn & Associates • Gunpowder Valley Conservancy • HeimLantz CPAs & Advisors • JMT • Lindquist Insurance • McHale Landscape Design, Inc. • Peterson Family Foundation • RES • Lois and Marc Shafir • Shoreline Design, LLC • Bill and Noilly Turley • Waste Connections

...as well as nearly 40 Canvasback and Terrapin Sponsors.







# CHESAPEAKE CONSERVATION CORPS

The Chesapeake Conservation Corps provides early career development and green jobs training for a cohort of young people as they tackle important environmental, agricultural, and energy projects. This year, 37 Corps members were placed with not-for-profit host organizations for one-year terms of service, navigating the constraints of COVID and hybrid in-person and virtual work.

Throughout the year, Corps members came together monthly for training programs facilitated by the Trust, group service projects, and peer-to-peer networking visits to each other's host sites.

The Chesapeake Conservation Corps has close to 300 alumni, many of whom are environmental leaders throughout the Chesapeake watershed and beyond.



Erin Baggs, Camp Puh'tok for Boys and Girls, Baltimore  
Amanda Bai, UMD Environmental Finance Center, Prince George's  
James Beauregard, MD Dept of the Environment, Baltimore City  
Valerie Bloom, Baltimore Tree Trust, Baltimore City  
Earl Brooks, Towson University, Baltimore City  
Malika Brown, US National Park Service, Anne Arundel  
Riley Cassidy, National Wildlife Federation, Anne Arundel  
Lauren Croissant, Sultana Education Foundation, Kent  
Frank Deuter, Lower Shore Land Trust, Worcester  
Brittney Flaten, MD Dept of Natural Resources, Anne Arundel  
Darrea Frazier, Carrie Murray Nature Center, Baltimore City  
Christina Garvey, National Aquarium in Baltimore, Baltimore City  
Diona Hall, Amazing Grace Lutheran Church, Baltimore City  
Yanoua Kone, Izaak Walton League of America, Montgomery  
Maxwell Lambert, Potomac Conservancy, Montgomery  
Rebecca Lauver, Alliance for the Chesapeake Bay, Lancaster County, PA  
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Julie Luecke, Smithsonian Environmental Research Center, Anne Arundel  
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## In Memory of Senate President Thomas V. Mike Miller, Jr.

Thomas V. Mike Miller, Jr. was the longest serving Senate President in Maryland's history and made unparalleled impact on Maryland, its residents, and its natural resources. He was a fierce advocate for the Chesapeake, a friend to the Trust, and a longtime champion for environmental education and career building. In 2010, Senate President Miller established the Chesapeake Conservation Corps, a green year-of-service training program administered by the Trust that prepares young adults to thrive and lead in the environmental careers that are critical to the region's future. His advocacy and efforts have helped hundreds of young people launch their careers while strengthening Maryland's environmental sector. Senate President Miller passed away in January 2021. In partnership with his family, the Trust has established the Thomas V. Mike Miller, Jr. Education Fund.



## In Memory of Stuart Freudberg

Stuart Freudberg was a lifelong advocate for the Bay and spent his long and fruitful career at the Metropolitan Washington Council of Governments building lasting partnerships to protect and restore our natural resources. His work inspired individuals to take action on clean air, fostered policy changes that led to the revitalization of the Potomac and Anacostia rivers, and guided the region's plans to address climate change. Stuart and his family cherished the time they spent on the Bay. He passed away in June 2021 and his loved ones chose to honor his memory with donations to the Chesapeake Bay Trust.





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Elliott Zivin



## Fiscal Year 2021 Financials

### REVENUE

Contributions*	\$	5,325,247
Restricted Partnership Grants**	\$	10,183,069
Investment Income	\$	2,189,364
Special Events	\$	79,205
Other Income	\$	2,987

**TOTAL SUPPORT & REVENUE**      **\$ 17,779,872**

### EXPENSE

#### Program Services

Program Grants & Projects	\$	12,152,999
Program Management	\$	1,219,650
<b>Total Program Services</b>	<b>\$</b>	<b>13,372,649</b>

#### Support Services

Development & Marketing	\$	759,789
Management & General	\$	477,336
<b>Total Support Services</b>	<b>\$</b>	<b>1,237,125</b>

**TOTAL EXPENSES**      **\$ 14,609,774**

Change in Net Assets      \$ 3,170,098

Please see the Trust's audited financial statements (available on the Trust's website) and the accompanying notes, which are an integral part of the financial statements.

Annual program expenses may be lower than annual awards and revenue because large portions of grant awards are often paid out in future fiscal years.

\* Contributions include Chesapeake Bay License Plate revenue; donations made through the Maryland State tax form; donations with boating, fishing, and hunting license registration; and private donations from individuals, businesses, and foundations.

\*\* Restricted Partnership grants include foundation, federal, state, and local partners who collaborate on grant programs and support specific, restricted initiatives.





Your gift to the Chesapeake Bay Trust will help to achieve lasting results, providing support for environmental education, habitat conservation, and local watershed restoration projects. Tax-deductible gifts to the Trust can be made in a number of ways.

#### DONATE ONLINE OR MAIL YOUR GIFT

Make your gift online at [cbtrust.org/donate](http://cbtrust.org/donate) or by mail, making your check payable to the Chesapeake Bay Trust.

#### CHAIR'S CIRCLE

Become an integral part of the Trust family with an annual giving of \$1,000 or more. Visit [cbtrust.org/chairmans-circle](http://cbtrust.org/chairmans-circle) to learn more.

#### GIFT OF STOCK

Transfers can be made directly from your brokerage account to the Trust.

#### MONTHLY GIVING

Monthly giving, at any level, is an easy and efficient way to provide consistent, impactful funding. You can start, change, or stop your gift at any time. Visit [cbtrust.org/donate](http://cbtrust.org/donate).

#### CORPORATE MATCHING GIFTS

Ask your human resources department if they match your contributions – you may be able to double your impact.

#### MEMORIAL AND TRIBUTE GIFTS

Consider this type of gift to honor the memory of a loved one or commemorate a milestone, birthday, wedding, or anniversary.

#### MAKE A LEGACY GIFT

Protect and treasure our natural resources in perpetuity with a Legacy Gift. Please let us know if you have made arrangements to support the Trust in your will or living trust so we can recognize you in our Legacy Circle.

#### BUY A CHESAPEAKE BAY VEHICLE LICENSE PLATE

Learn more at [bayplate.org](http://bayplate.org).

#### GIVE AT TAX TIME

Look for the Chesapeake Bay and Endangered Species Fund on your Maryland State Income Tax Form.



#### CONTRIBUTE WITH YOUR ONLINE REGISTRATION

Fishers, boaters, and hunters who obtain registration or licenses through Maryland Department of Natural Resources Compass online registration system can contribute to the Maryland Outdoor Recreation and Clean Water Fund which supports a wide range of products or the Healing Hunting and Fishing Fund, which supports outdoor veterans projects. [compass.dnr.maryland.gov](http://compass.dnr.maryland.gov)

#### PURCHASE FUN PRODUCTS

Wear and use environment-themed products – clothes, masks, beach towels, and more – from our online store, [shopchesapeakebaytrust.org](http://shopchesapeakebaytrust.org). All net proceeds support Trust programs.

For more ways to give, please contact the Development Office at 410-974-2941, ext. 107.

## LOOKING FORWARD AT THE TRUST: Seeing the Forest and the Trees

The Trust has many exciting initiatives on the horizon, from work on the science of behavior change, to getting close to reaching our K-12 environmental education curriculum goals, to implementing habitat and water quality projects on the ground.

One of our broadest upcoming priorities is a new Urban Trees Initiative established by the Maryland General Assembly in the 2021 session. The legislature established a goal to plant 500,000 trees in underserved communities, tapping the Trust to administer the program.



Trees provide benefits for climate mitigation, habitat, and local and Bay water quality. They also enrich community livability, improve physical and mental health, boost economic activity in business districts, reduce flood risk, cut energy use and costs, and can even reduce crime. Over the past five years, the Trust has funded 298 tree planting projects led by over 200 entities to plant 140,133 trees. The Trust is excited to develop this new initiative, with partners, to empower underserved communities to add 500,000 more trees over the next nine years, trees that will strengthen our communities and our natural resources alike.





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