



THE CHESAPEAKE BAY TRUST AWARDS – SUPPORT FOR RESTORATION, RESEARCH, OUTREACH, ENVIRONMENTAL EDUCATION, CAPACITY BUILDING, AND MORE!



Sadie Drescher, Director Restoration Programs
Chesapeake Bay Trust

Maritime Institute
692 Maritime Blvd
Linthicum Heights, MD

MARYLAND ASSOCIATION OF FLOODPLAIN AND STORMWATER MANAGERS
NOVEMBER 8, 2018

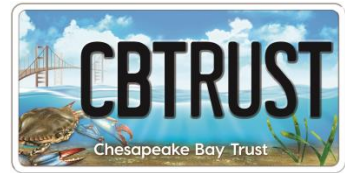
Mission

The **MISSION** of the Chesapeake Bay Trust is to promote public awareness and public participation in the protection and restoration of the Chesapeake Bay and its rivers and streams.

Our **GOAL** is to increase stewardship through grant programs, special initiatives, and partnerships that support environmental education, demonstration based restoration, and community engagement activities.



Chesapeake Bay Trust



- Non-profit grant-making organization based in Annapolis.
- Founded in 1985 by Maryland State Legislature.
- Provide funds for environmental education and restoration in Chesapeake Bay watershed.
- Receive funding from the Maryland Bay plate, Line 35 on the MD State Income Tax Form, MD Outdoor Recreation & Clean Water Fund, federal, state and county partnerships, and private donations.

Where the Money Comes From:

Maryland's Treasure the Chesapeake license plate



Federal, state and corporate partnerships



Individual and private donations



Chesapeake Bay Fund Tax Check-off



Where the Money Goes:



Education

Ensuring that students are environmentally literate through K-12 curriculum development, field experiences, and green school development.

Restoration

Advancing the science and implementation of restoration best management practices that reduce pollution and improve habitat.

Community Outreach

Engaging citizens and communities to improve the health of local waterways through community clean-ups, tree plantings, and other stewardship practices and projects.



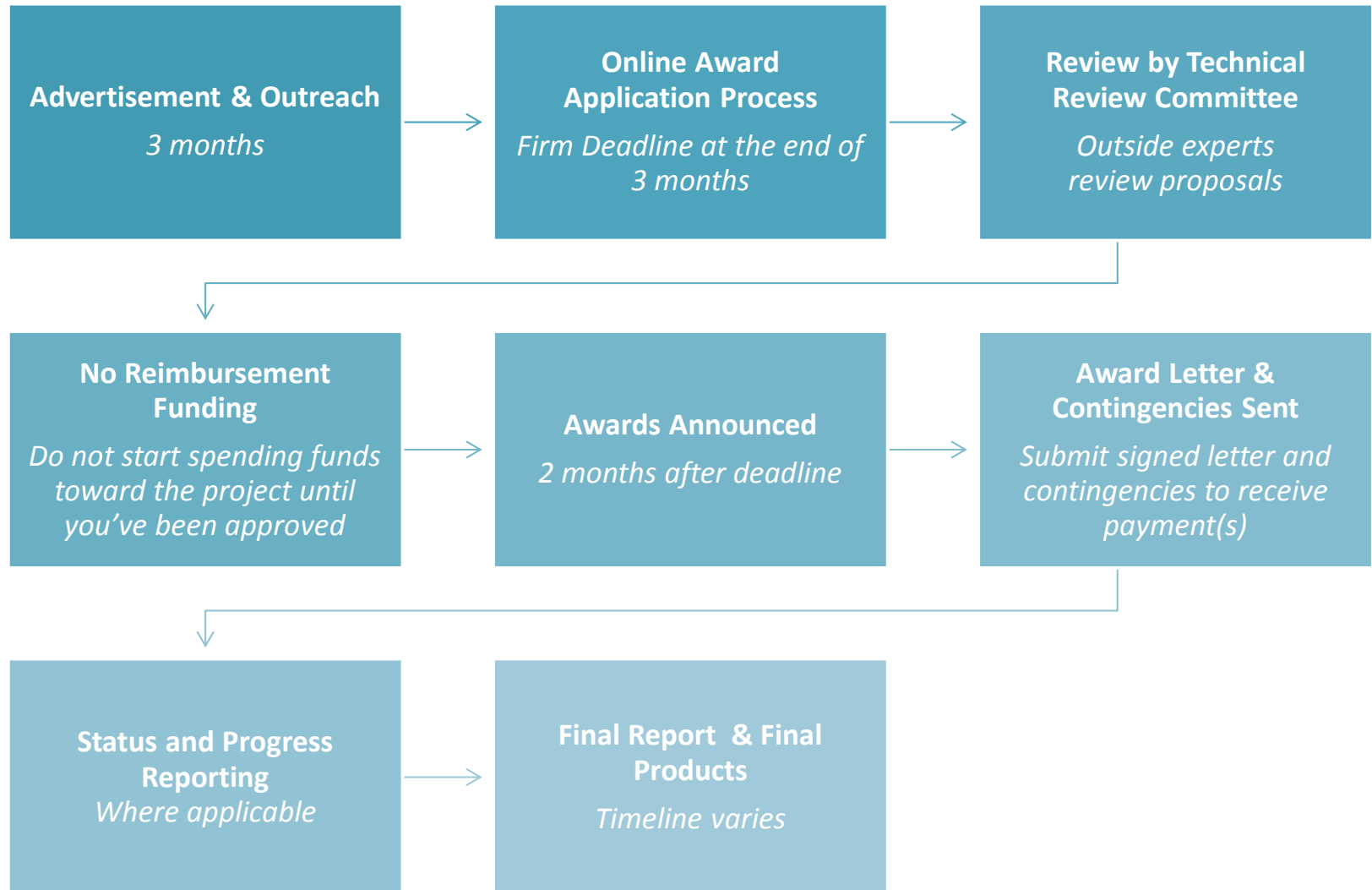
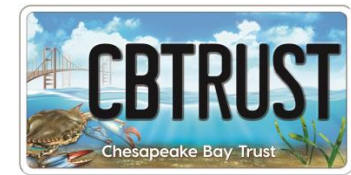
Award Programs Offered



- **Outreach / Restoration / Engagement**
 - Outreach & Restoration
 - Charles County, City of Baltimore, City of Gaithersburg, Harford County, & Howard County
 - Community Engagement Small Grants
 - Education (K-12)
 - Goal Implementation Program Support
 - Green Streets, Green Jobs, Green Towns
 - Watershed Assistance
 - Non-Tidal Wetland
 - Pooled Monitoring Initiative/Restoration Research
- **Chesapeake Conservation Corps:** youth job training program
- **Capacity Building Initiative:** Network development and support to increase local organization capacity
- **County Specific**
 - Anne Arundel County
 - Watershed Restoration
 - Forestry
 - Charles County
 - Montgomery County
 - Prince George's County
 - Rain Check Rebate
 - Stormwater Stewardship
 - Small forestry grants for Charles and Anne Arundel County

Our grant programs are online at cbtrust.org


General Life Cycle of an Award



Strong Application for Review



What are some factors that contribute to approved proposals?

- ❑ Alignment with funder priorities
 - ❑ Clear focus
 - ❑ Community buy-in and support
 - ❑ Sufficient justification of methodology
- 
- A photograph showing a manhole cover on a sidewalk. A green banner is stretched across the top of the frame with the text 'DON'T DUMP'. Below the manhole cover, a yellow and black sign reads 'DON'T DUMP' and 'CHESAPEAKE BAY DRAINAGE'. The background shows a grassy area and trees.
- ❑ Qualified and appropriate partners
 - ❑ Reasonable and accurate budget
 - ❑ Project idea that meets high evaluation standards
 - ❑ Sustainability / transferability

Outreach and Restoration Grant Program



- This program encourages outreach and community engagement activities that increase stewardship ethic of natural resources and on-the-ground restoration activities that demonstrate restoration techniques and engage Maryland citizens in the restoration and protection of the Chesapeake Bay and its rivers.
 - Track 1: up to \$30,000 for Outreach projects
 - Track 2: up to \$50,000 for Restoration projects
 - Track 3: up to \$75,000 for Outreach and Restoration projects



- Deadline is Fall 2019

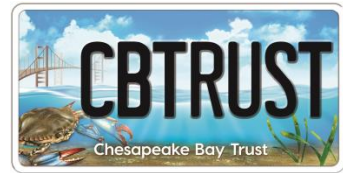
Visit the [Outreach and Restoration](#) page for more information.



Watershed Assistance Grant Program

This program, in partnership with the Maryland Department of Natural Resources and the Maryland Department of Environment, supports the design of watershed restoration and protection projects or planning and programmatic development projects.

- ❑ **Project Design track** - to create buildable designs for specific watershed restoration projects identified in the WIP Milestone commitments submitted or anticipated to be submitted to MDE by local jurisdictions.
- ❑ **Watershed Planning Program Development track** - for specific projects identified in the existing Programmatic Milestones submitted to MDE by local jurisdictions or anticipated to be submitted to MDE in the 2018-2019 milestones.
- ❑ Deadline is Fall 2019



This program supports designs, financing strategies, and/or implementation of green street projects. The goal of the Chesapeake Bay G3 Grant Program is to help communities develop and implement plans that reduce stormwater runoff, increase the number and amount of green spaces in urban areas, improve the health of local streams and the Chesapeake Bay, and enhance quality of life and community livability.

*This program funds throughout the Chesapeake Bay watershed portion of EPA Region 3

Deadline: spring 2019

Planning, Design, Implementation, White Paper, and Charrettes

Faster, cheaper, greener!

EPA website: <https://www.epa.gov/G3>

Pooled Monitoring Initiative



- Pool resources to answer restoration questions
- Increases the power, objectiveness, and ability to answer key restoration questions
- Bring science back to those that can use it
- Restoration Research
 - Many partners & been barrier busting for years!
 - Supported 18 projects at \$3.1M since FY 15
 - <https://cbtrust.org/grants/restoration-research/>



County & City Specific Programs



Anne Arundel County Watershed Restoration Program

Deadline: spring 2019

- Funding Level: Up to \$300,000
- Projects must accomplish on-the-ground restoration that will help the County meet local water quality and runoff reduction improvement goals.



Camp Woodlands Stormwater Retrofit

Project Goals:

- Restore 190 LF of drainage area leading into a stream
- Reforest 9,000 SF surrounding retrofit
- Engage civic and community groups in planting

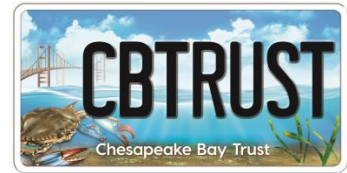


BEFORE



AFTER

Anne Arundel County Forestry and Forested Land Protection



- ❑ **Grant Program:** Anne Arundel County Forestry and Forested Land Protection
- ❑ **Partnership:** CBT & Anne Arundel County Government
- ❑ **Funding Level:** Up to \$250,000 for forestry , greening projects, and forested land protection (permanent conservation easements)
- ❑ **Goal:** Reforestation and afforestation projects, riparian buffers, contiguous tracts of forest, and/or preserving wildlife habitat.
- ❑ **Applicants:** Land Trusts, land conservancies, faith-based organizations, community associations; service and civic groups, public agencies, public and independent higher educational institutions, and other 501(c)3 private nonprofit organizations (e.g., focused on a conservation)
- ❑ **Deadline:** February 5, 2019



Anne Arundel County Forestry and Forested Land Protection



- ❑ **Grantee:** Alliance for the Chesapeake Bay
- ❑ **Funding Level:** \$104,774
- ❑ **Location:** Annapolis, MD
- ❑ **Project:** This reforestation project aims to restore an additional 27.3 acres of forest through invasive plant control and reforestation planting in the 215 acre Corcoran Tract, located on the northwest portion of the Sandy Point State Park property. Approximately 11,875 tree seedling were planted on the entire 27.3 acres.



Anne Arundel County Forestry and Forested Land Protection Grant Program



Completed Forest Conservation Easements (43.93 acres to date)

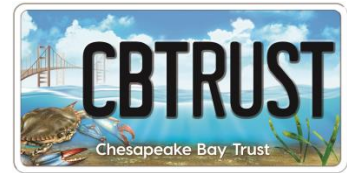
- ❑ Palisades Forest Tract- Crownsville, MD
- ❑ Grant Amount: \$97,672
- ❑ Forested Acres Protected: 12.29
- ❑ Herring Bay Forest Tract- Tracys Landing, MD
- ❑ Grant Amount: \$105,455
- ❑ Forested Acres Protected: 31.64



- ❑ 137.25 acres to be protected by easement in 2017 (\$504,065)
- ❑ 251.58 acres to be protected by easement in 2018 (\$1,808,549)
- ❑ 413.53 new acres of new protected forest land in Anne Arundel County!
- ❑ That is just 16 acres short of the size of Quiet Waters Park and Fort Smallwood park combined.



Stormwater Stewardship Grant Program



- Funds restoration activities that improve communities and water quality and engage Prince George's County residents in the restoration and protection of the local rivers and streams.
 - Up to \$200,000 for water quality projects
 - Up to \$150,000 for tree planting projects
 - Other tracks depending on County priorities



Visit the [Stormwater Stewardship Program](#) page for more information.

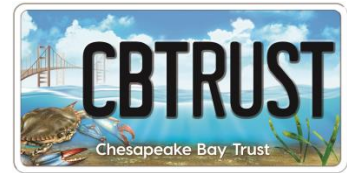
Arundel Canal Bandalong Trash Trap

- Grant Program: Prince George's County Stormwater Stewardship
- Grantee: Anacostia Riverkeeper
- Grant Amount: \$200,000
- Project Location: Arundel Canal in Mount Rainier, Maryland

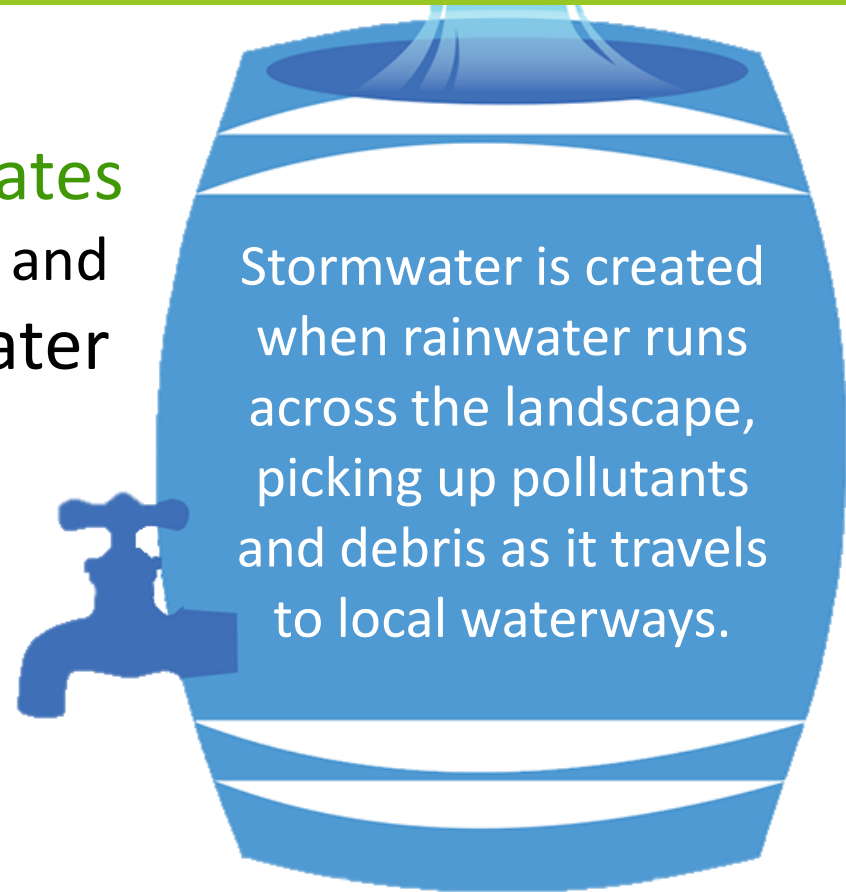


- First in-stream trash trap in Maryland
- Non-mechanical means of capturing litter and debris flowing over land and from sewers before it enters the Anacostia River
- Litter and debris will be sorted and weighed by litter type so and recorded and shared with the community members and County partners
- Outcome: reduced in-stream pollution, healthier habitat, increased safety for recreational users

Rain Check Rebate



Provides property owners **rebates** (refund after purchase, installation, and approval) for installing stormwater management practices.



Visit the [Rain Check Rebate](#) page for more information.



Before & After



Permeable Pavement



Before



After

Before & After



Rain Garden

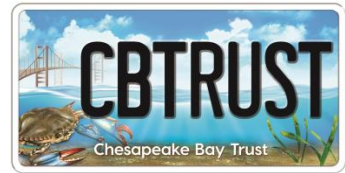


Before



After

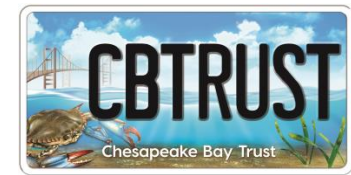
Charles County



- **Grant Program:** Charles County Forestry Grant Program
- **Partnership:** Charles County Commissioners
- **Funding Level:** The County made available from FY14-FY18 approximately \$80,000, 94% for projects, 6% for administration.
 - \$48,000 to applicants during this time frame
 - An additional 5 year MOU is being established to continue this work.
- **Goal:** Implement cost-effective reforestation projects in the County to increase tree canopy and as a result create forest habitat and improve water quality
- **Applicants:** reforestation or afforestation on the scale of at least 0.5 acres.



Charles County – Example Project



- **Grantee:** Port Tobacco River Conservancy
- **Funding Level:** \$2,388
- **Location:** Historic Ellerslie Property in Port Tobacco
- **Project:** This afforestation project aimed to plant 600 white pine trees in a 0.82 acre area, with the help of 20 students and teachers from North Point High School's NOAA Ocean Guardian School Team.



Nontidal Wetlands



- **Partnership:** Maryland Dept. of the Environment
- **Funding Level:** currently up to \$500,000
(past rounds have funded up to \$900,000 per project)
- **Goals:** 1) Implement cost-effective nontidal wetland projects using funds generated from development projects that contribute to nontidal wetland loss and 2) Preserve resulting nontidal wetland project with a permanent easement.
- **Other notes:**
 - Funding available for project design, permitting, construction, and monitoring (2 years), landowner easements, land protection, and other costs needed for project success.
 - Project size and landowner easement payment rates vary based on watershed location (see map on next slide).
 - Project types include nontidal wetland restoration, creation, enhancement, preservation, or combination.

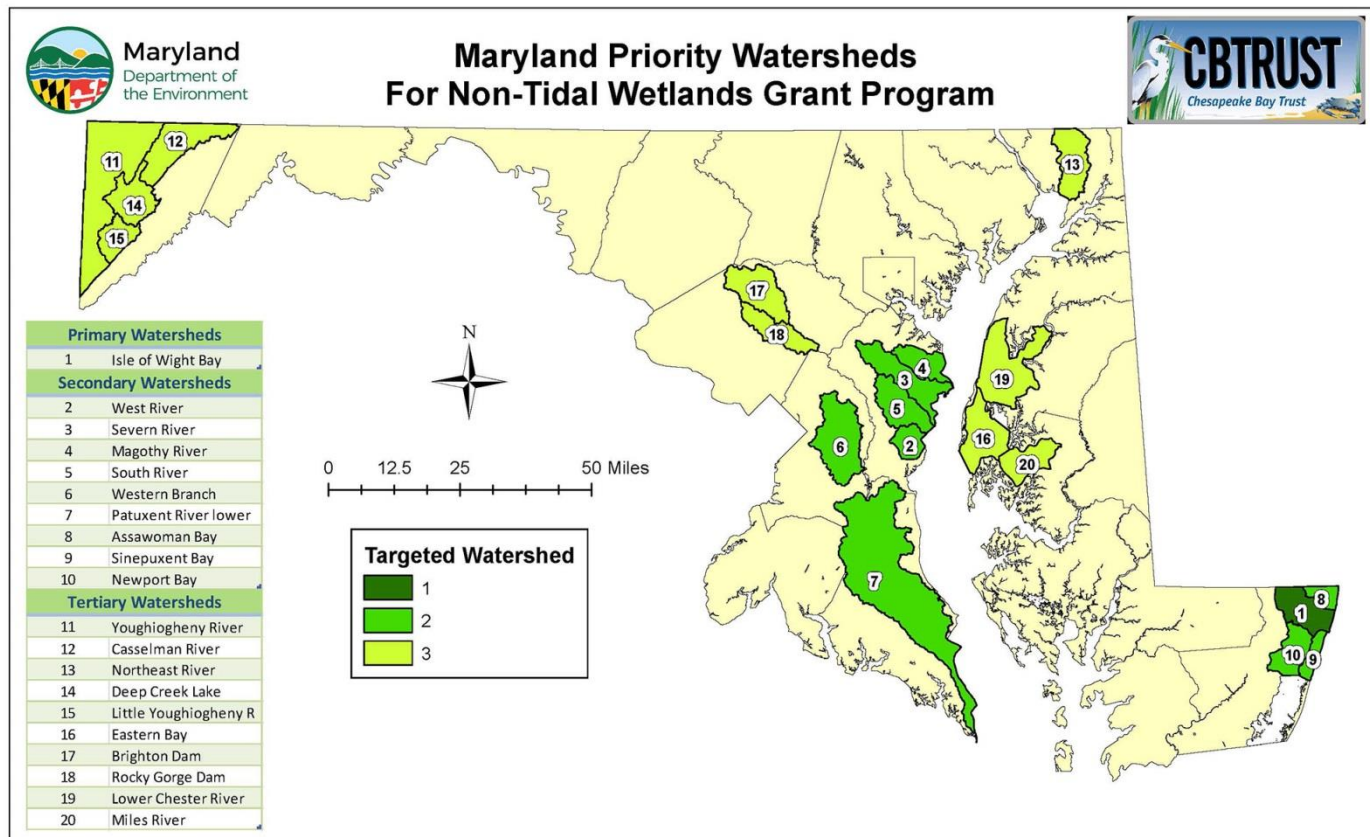


Maryland
Department of
the Environment

Nontidal Wetlands



- Priority Watershed Map from FY17
 - Watersheds are prioritized based on current or expected nontidal wetland loss due to development.



Nontidal Wetlands



- Beltsville Agricultural Research Center Nontidal Wetland (Beltsville, MD)
 - **Grant Amount:** \$885,230
 - **Project Type:** Nontidal Wetland Restoration
 - **Size:** 12 acres (but part of a 22 acre nontidal wetland system)
 - **Status:** in the 2-year maintenance and monitoring phase
 - **Watershed:** Anacostia River



Nontidal Wetlands



- Longwoods Nontidal Wetland (Easton, MD)
 - **Contract Amount:** \$500,000
 - **Project Type:** Nontidal Wetland Creation
 - **Size:** 13 acres
 - **Status:** design phase
 - **Watershed:** Miles River



Pre-K-12 Environmental Education Small Grants Program



- ❑ Grantee: Capital City Public Charter School, Title 1 School
- ❑ Location: District of Columbia
- ❑ Audience: 52 tenth and eleventh grade Environmental Science students
- ❑ Project:
 - Students visited St. Mary's College to learn about oysters
 - Students visited Shore Thing Shellfish where they built five oyster floats and released 250,000 spat
 - Students shared what they learned about oysters with 180 K, 5th, 7th, and 11th graders at OysterFest event



Environmental Education Grants Program



Our Rivers, Our Responsibility Systemic 7th Grade Program

- ❑ Location/Audience: Wicomico County all 1,100 7th grade students
- ❑ Grantee: Wicomico County Public Schools
- ❑ Amount: \$39,807



- ❑ Integrated into 7th grade curriculum via the Human Impact on the Environment Unit
- ❑ Local issue investigation with indoor (online modeling, group discussions, and guest speakers) and outdoor study (field experiences with NWA assessing health of the Nanticoke, use of GIS to share data, and participate in local efforts for restoration).
- ❑ Student projects to help solve an environmental impact issue at their school/ community including rain barrels, stormdrain stenciling, rain gardens, or water conservation efforts..

"This grant has been instrumental in the development of this program. The Science Supervisor, who oversees Environmental Literacy, has included project costs and field experiences as new items in the FY20 budget in order to allow the systemic program to continue."

Community Engagement Small Grants Program (<\$5,000)



□ **Wade in the Water: Spiritual Storytelling and Service along the Patuxent**

- Grantee: The Center for Spirituality in Nature
- Type of project: Workshop and invasive species removal
- Grant amount: \$2,373



□ **Details:**

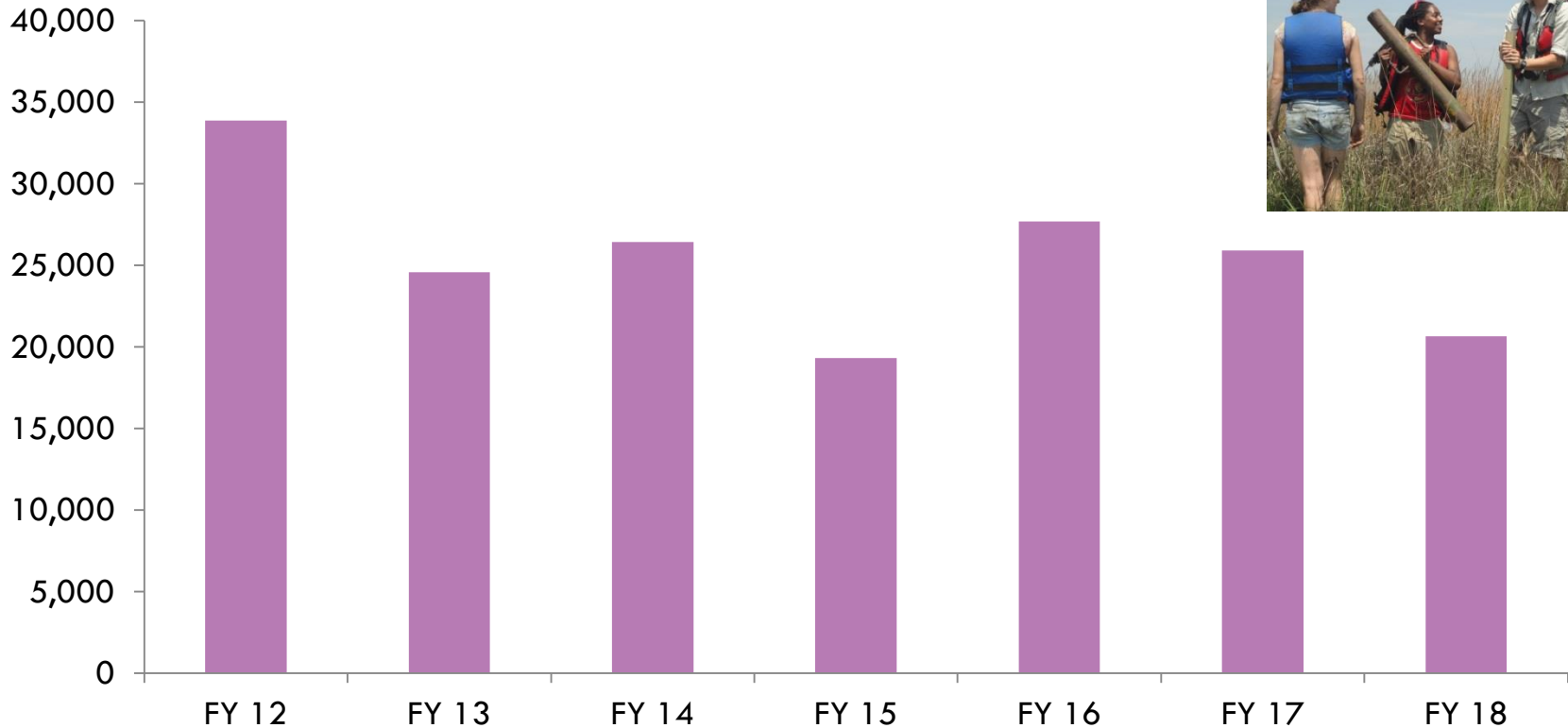
- Fred Tutman, Patuxent Riverkeeper
- 25 volunteers
- Approximately ¼ acre of invasive species removed



We engage high #s of volunteers

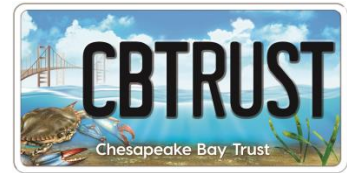


Chesapeake Bay Trust Impact - Volunteers Engaged

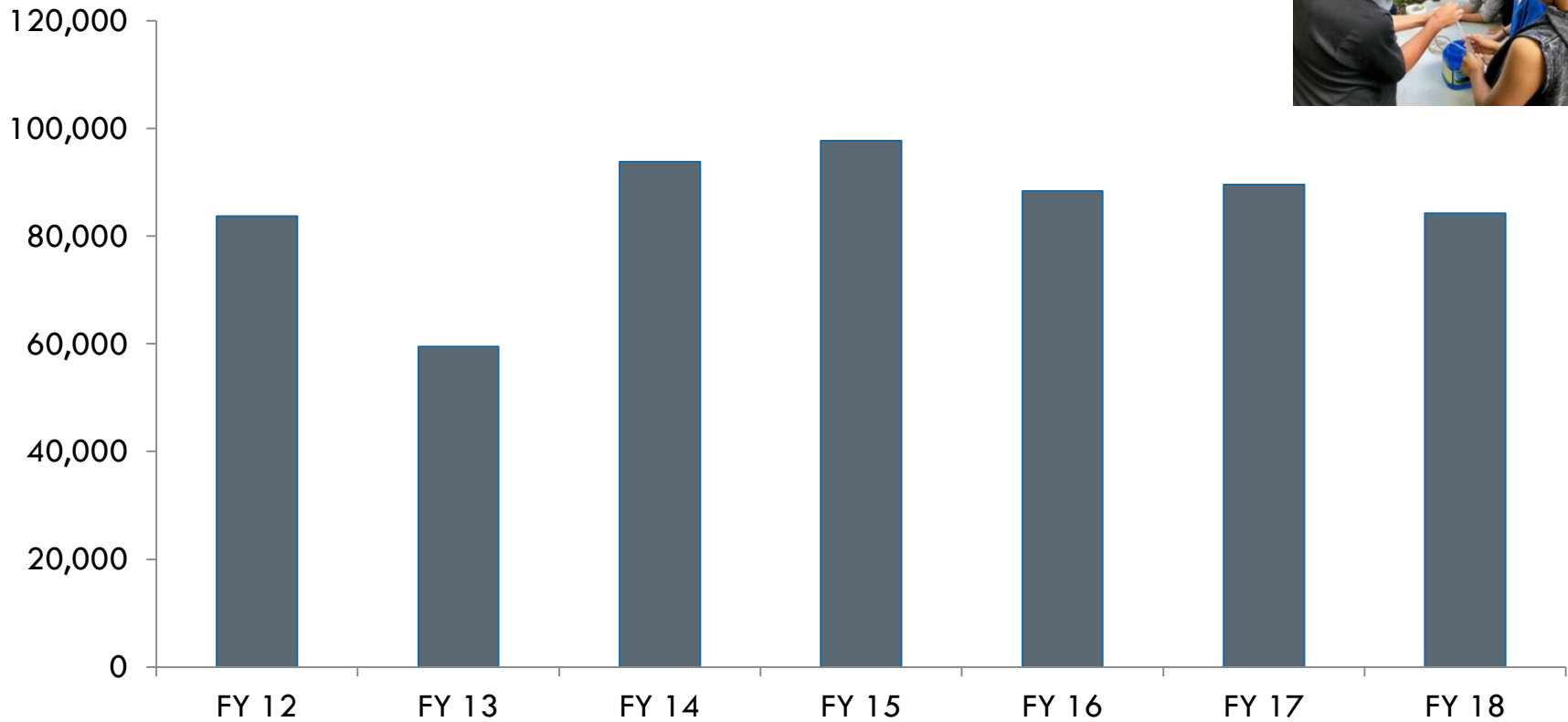


Engaged over 175,000 volunteers!

We engage high #s of students



Chesapeake Bay Trust Impact - Students Engaged

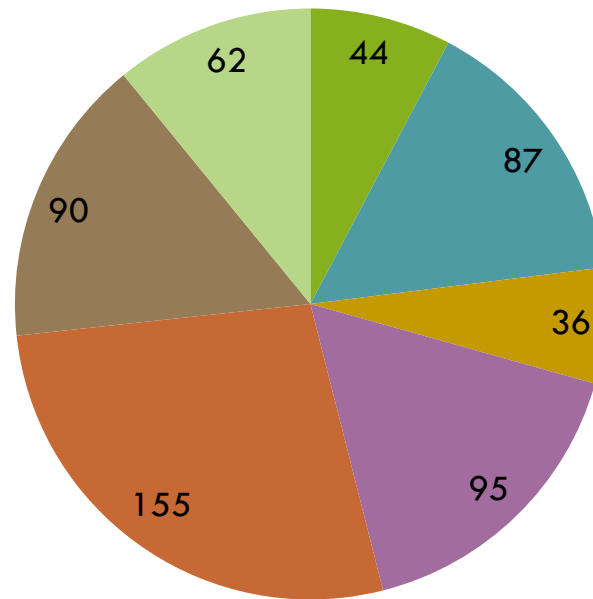


Engaged over 590,000 students!

Buffers and Wetlands Created



Chesapeake Bay Trust Impact - Buffers and Wetlands Created (acres)



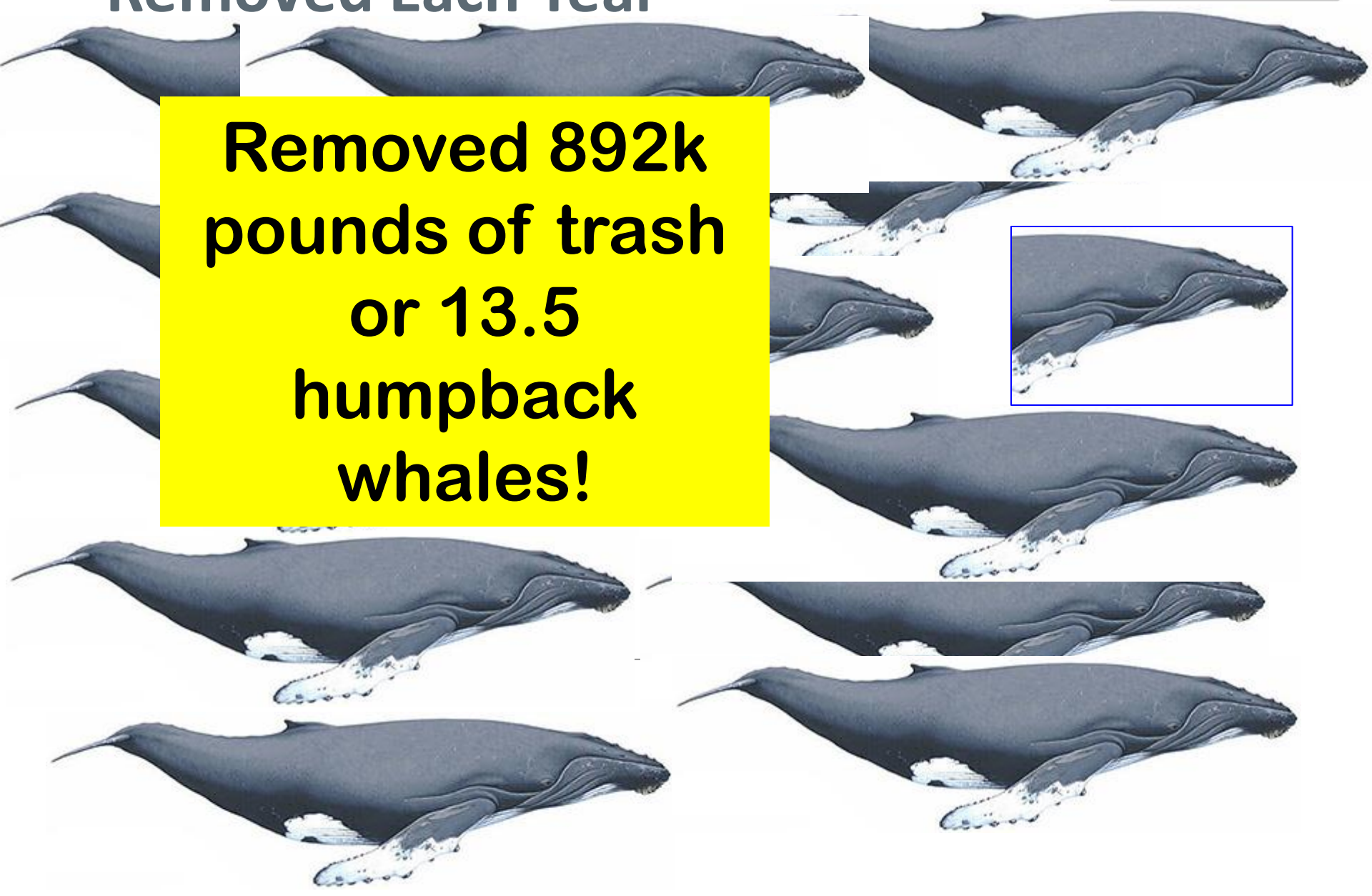
■ FY 12 ■ FY 13 ■ FY 14 ■ FY 15 ■ FY 16 ■ FY 17 ■ FY 18

Planted over 550 acres of buffers and wetlands!

Thousands of Pounds of Trash Removed Each Year



**Removed 892k
pounds of trash
or 13.5
humpback
whales!**



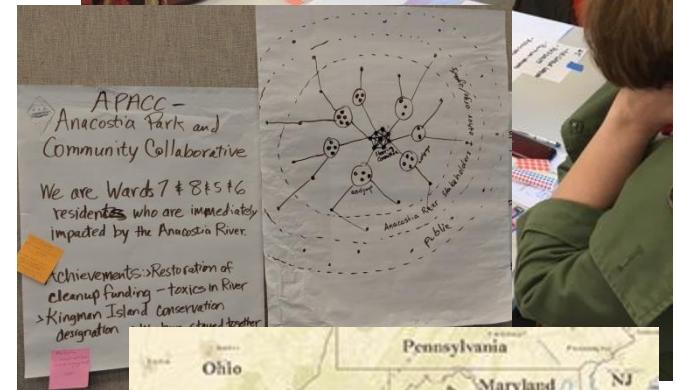
The Capacity Building Initiative



Goal: Increase Capacity and Effectiveness of local organizations advancing clean water plans

Major Accomplishments:

- Four cross sector networks
 - Collaborative work plans and charters
 - Non-traditional partnerships
 - Increased understanding of healthy networks
- One successful merger
 - Merger of four organizations in the valley
 - New org – Alliance for the Shenandoah Valley
- First comprehensive diversity, equity, and inclusion survey of funders and grantees
- Increased capacity of 27 water focused organizations not participating in the networks
- Upcoming: continued Restoration Project management training



Chesapeake Conservation Corps



Places young adults (18-25) with nonprofit and government agencies to work fulltime in the environmental field for a one-year term of paid service on issues impacting the Chesapeake Bay.

Goal:

- 1) Enable young adults to work with organizations and make an impact on communities and the environment
- 2) Provide hands-on experience, training, and leadership opportunities for young adults pursuing green careers.

This year:

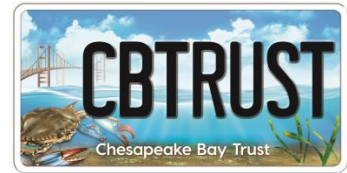
- Graduated 37 Corps Members in 2017-18 Cohort
 - 28% Hired by Host, 33% Hired for Green Job, 21% Back to School
- Placed 38 Corps Members in 2018-19 Cohort
 - 70% NGOs, 30% Govt Agencies, 24% New Hosts, 5 Paying for 2nd
 - Throughout ALL of MD from Allegany to Calvert to Worcester
- First Chesapeake Conservation Corps Alumni Event held in June 2018!
- Check us out on Facebook:

www.facebook.com/ChesapeakeConservationCorps



"In just one year, you will gain valuable experience in the environmental field, important social skills, and positive relationships with professionals in your field. The hands-on experience you gain can become important additions to your resume and can be demonstrated in any future jobs you may have. It is also a lot of fun, and the friendships you will make will last forever."

The Bay Plate



Show your support by purchasing the Bay Plate!

Plate Perks

Plate owners receive discounts at local businesses, restaurants, and more!

View an up-to-date list of perks at plateperks.org

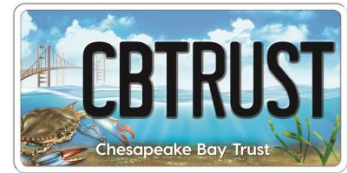


Order Online!
Ships Right to Your Door!

Questions/Comments?



Sadie Drescher, Director, Restoration Programs
(410) 974-2941 x105, sdrescher@cbtrust.org



“There is no amount of grantmanship that will turn a bad idea into a good one, but there are many ways to disguise a good idea.” -Dr. William Raub

Questions?

Contact: Sadie Drescher, sdrescher@cbtrust.org

410-974-2941, ext. 105

Visit cbtrust.org for more information.

