Pushing FORVARD 2019 ANNUAL REPORT



CHESAPEAKE BAY FOUNDATION

Saving a National Treasure

We've led the charge to save the Chesapeake Bay for more than half a century. The restoration of this national treasure—our home—is closer than ever.

A trip into the Bay's coves and tidal rivers reveals underwater grass beds where none existed for decades, the surrounding water clear enough to spot schools of fish darting among the rocks. Oyster reefs grow and filter water in sanctuaries that enjoy stronger protections than ever. Buffers of native trees are taking root and trapping pollution along streams in the heart of Pennsylvania farm country.

We owe this progress to your support for our innovative approach to restoration—an approach grounded in science and focused on local waterways.

In 2019, together we built even more momentum. We expanded our environmental education programs in Pennsylvania, laying the foundation for clean water stewardship; we grew our local partnerships and put more trees in the ground and oysters in the water through our Making History campaign; and we increased our presence at the federal level to ensure strong protections and support for the Bay.

Our work in the Chesapeake Bay is a national and global model for environmental restoration. But it's not done. As we enter the final five years of the historic Chesapeake Clean Water Blueprint, the world is watching. We face new challenges from climate change and regulatory rollbacks. We know this model works. The choice—and the responsibility—to finish the job of saving the Chesapeake Bay is ours.

CONTENTS

Hail to the Hellbender	
Oyster Voices	
Fighting for a Healthy Home	(
Community Roots	8
2019 Highlights	. 1(
Gifts	.12
Financial Overview	.2

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A MESSAGE FROM OUR PRESIDENT AND CHAIRMAN

The condition of the Chesapeake Bay is a direct reflection of the federal-state partnership to restore it. In 2019, the partnership reached a critical juncture.



Success has never been closer. The blue crab population rose 60 percent, and underwater grass beds remained resilient even after a massive assault from record rainfall in 2018 and persistent wet weather early in 2019.

Still, many challenges remain. Climate change. Regulatory rollbacks. Pollution coming down the Susquehanna River.

To meet these challenges, the historic Chesapeake Clean Water Blueprint—a plan grounded in science—must be met. If it is, we will have clean, safe water and vibrant wildlife in our rivers, streams, and the Bay.

But only if we implement it. Only if each of the seven jurisdictions that share the Bay watershed meets its pollutionreduction commitments by 2025.

The biggest hurdle to finishing the job is mustering the political will to put solutions in play. The partnership is only as strong as its weakest link.

Pennsylvania is significantly behind. Its own water quality, as well as the Bay downstream, suffers. The Commonwealth's plan to remedy the situation is inadequate, threatening the success of the entire partnership.

But with your help, we will push the Environmental Protection Agency to ensure Pennsylvania complies with federal law and achieves its Blueprint goals—goals that will restore the Bay and ensure Pennsylvanians enjoy the clean, fishable, swimmable rivers and streams they deserve. We will continue to plant more trees, introduce more oysters, and raise citizen voices for clean water across the watershed.

If the Blueprint is enforced, we will save the Chesapeake Bay. Thank you for making our work possible.

William C. Baker President

HorigTCestu

Harry T. Lester Chairman

Building 1ENTUM

Like a canvasback flapping its wings for takeoff, CBF is building momentum in our mission to save the Bay.

ERIC FISHER

No matter

your age, you can absolutely have an influence on what goes on in your state.



Emma Stone CBF Pennsylvania Student Leader

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Joan Brock

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HELLBENDER

HELL



It began as a low-key brainstorm session over lunch in 2016; half a dozen Pennsylvania high school students with notebooks, laptops, and a desire to protect a slimy, reclusive salamander that relies on clean water. This April, Governor Tom Wolf signed into law the legislation that CBF's Pennsylvania Student Leadership Council drafted that day. The salamander the Eastern hellbender—became the Commonwealth's official state amphibian.

"I want to thank the Chesapeake Bay Foundation and also acknowledge the hard work of the foundation's Student Leadership Program," the Governor said at the bill signing. "The voices of students can clearly make a difference here in Harrisburg."

It marked a hard-won victory three years in the making. With guidance from CBF educators and our Pennsylvania team, the students worked with state legislators, studied hellbenders in the field, wrote letters to garner support for their campaign, and persisted even after the bill failed in its first legislative session. It paid off.

"No matter your age, you can absolutely have an influence on what goes on in your state," says Emma Stone, who served as President of the Student Leadership Council before graduating from Carlisle High School last spring. "We're all high schoolers, and we've passed a bill."

Their efforts grabbed state and national headlines, focusing attention on hellbenders and the pollution that threatens the clean, cold streams the salamanders need to survive.

The experience has been surreal, says Anna Pauletta. She spearheaded the hellbender campaign in 2016 while serving as President of the Student Leadership Council. Now a junior studying forest ecosystem management at Penn State University and a youth representative on CBF's Board of Trustees, she hopes the hellbender success will inspire more students to pursue passion projects in their own communities.

"The greatest impact for me, in my personal career, was realizing that student leadership is important," she says. "It does have an impact on our communities, big and small."

After signing the hellbender bill into law, CBF Student Leaders Anna Pauletta (left) and Emma Stone (right) share the spotlight with Governor Tom Wolf (center). THE OFFICE OF GOVERNOR TOM WOLF



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The Abell Foundation, Inc.

National Oceanic & Atmospheric Administration National Marine Fisheries Service

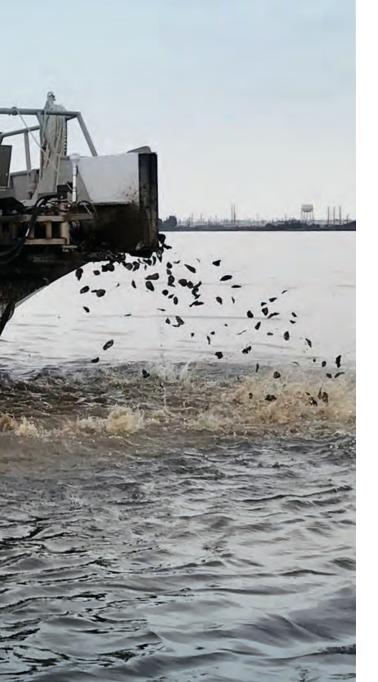
The G. Unger Vetlesen Foundation

The Kahlert Foundation

Marietta McNeill Morgan and Samuel Tate Morgan, Jr. Trust Northrop Grumman Corporation

T. Rowe Price Foundation, Inc. George B. Clarke IV

Oyster VOICES



It was a blustery and snowy March day at Maryland's General Assembly, but Lani Hummel was determined to make her case. Office by office, she and a crew of volunteers and CBF staff members urged lawmakers to support legislation that would help boost oyster populations in Maryland's portion of the Chesapeake Bay.

Hummel, a "semi-retired" former lobbyist and congressional researcher, is no stranger to advocacy. When she enrolled in a Volunteers as Chesapeake Stewards (VOiCeS) course taught by CBF, oysters became her cause.

"I didn't really know how depleted the oyster population was at first," she says. "When I heard it was a fraction of historic populations, I was horrified. I told CBF I want to work on oyster restoration."

Oysters provide crucial water-filtering benefits for the Bay and build reefs that are home to fish, crabs, and other marine life. But years of overharvesting and disease have decimated oyster reefs that once grew in such abundance they posed navigational hazards to early European explorers. The first comprehensive assessment of oyster stocks in Maryland, released last year, underscored the gravity of the problem: between 1999 and 2018, Maryland's adult oyster population dropped by half, from 600 million to 300 million.

Equipped with those numbers and evidence from polls showing widespread support for oyster restoration, CBF staff and volunteers, including Hummel, and the Chesapeake Oyster Alliance pushed the General Assembly to permanently protect Maryland's five oyster restoration sanctuaries from harvest.

Lawmakers overrode a veto from Governor Larry Hogan to pass the sanctuary bill into law as the clock ticked down on Sine Die—the final day of the legislative session. It was a moment of accomplishment for Hummel.

"The one thing I've learned in working in environmental advocacy," she says, "is you better celebrate your victories when you can."

CBF's Patricia Campbell oyster restoration vessel plants oysters on a sanctuary reef near Fort Carroll in Baltimore, Maryland.

My whole metabolism changes when I come to Union Hill because of the cleanliness of the air. That affects your entire system.



Richard Walker Union Hill Resident

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Lee Tepper & Dorine Real

The Ina Kay Foundation

Camp-Younts Foundation

The Neall Family Charitable Foundation

Abramson Family Foundation, Inc. & The Rona and Jeffrey Abramson Foundation

Charles K. & May H. Fox Jeff & Joan Ferrill

Jonathan & Brynn Moody Peter & Barbara Wright

HEALTH



Fighting for a



In 1885, Taylor Harper, a former slave, bought 25 acres of land for \$15 from a plantation where he had worked for two decades. Other freed slaves settled nearby, forming Union Hill.

The unincorporated town in rural Buckingham County, Virginia, about 30 miles south of Charlottesville, is now the epicenter of a fight over a planned compressor station designed to pump gas through the proposed Atlantic Coast Pipeline. Harper's descendants, including his great-great grandson Richard Walker, worry the family's homestead is at risk.

"My whole metabolism changes when I come to Union Hill because of the cleanliness of the air. That affects your entire system," says Walker, who lives in Richmond. "All of that will be lost with this compressor station."

Air pollution from the compressor station threatens clean air, clean water, and the health of residents in the dozens of households located within a mile of the site—including five Harper families. It would also release nitrogen oxide, a form of air emissions that already accounts for a third of the Chesapeake Bay's nitrogen pollution.

Early this year, the Virginia State Air Pollution Control Board approved a permit for the station. But CBF is challenging the permit in a lawsuit filed together with the Southern Environmental Law Center and Friends of Buckingham.

"The Board neglected to consider irrefutable evidence of disproportionate harm to the Black community of Union Hill due to air pollution that the compressor station will emit. For the concept of environmental justice to have any meaning, the Air Board must consider this issue and take action," says CBF Vice President for Litigation Jon Mueller.

The largely Black community lacks many basic services. No jobs, no grocery stores, and no doctors or hospitals. Many residents live below the poverty line.

But Walker says it does have "healthy living." Tranquility, clean air, and the calm waters of the nearby James River. And he's not about to let that go.

A sign on State Route 663 in Buckingham County registers opposition to Dominion's Atlantic Coast Pipeline and a proposed compressor station the company plans to site nearby.

ROBERT ZULLO/VIRGINIA MERCURY

G We have

students,

stay-at-home

moms, retired

people...we're

spreading the

message across

generations.



Laurie Crawford Executive Director,

Lebanon Valley Conservancy

CBF IS GRATEFUL FOR THE GENEROUS SUPPORT OF:

Keith & Patricia Campbell U.S.D.A. Natural Resources Conservation Service The Volgenau Foundation The Orokawa Foundation, Inc. Concordia Foundation Arbor Day Foundation Ferdinand & Elizabeth Thun Mars Foundation Greater Washington Community Foundation Susan & Dixon Butler

Patrick & Aimee Butler Family Foundation



Community ROOTS

A planting day finds Laurie Crawford with a car full of tree stakes, protective tubes, and saplings. She delivers supplies and snacks—to as many as three separate sites where volunteer crews wait at the ready to put roots in the ground.

"The logistics," she says with a laugh, "are me running around with a lot of trees."

Crawford is the Executive Director of the Lebanon Valley Conservancy. Over the past two decades, the conservancy has preserved nearly 1,000 acres of farmland and wildlife habitat in Lebanon County, Pennsylvania, through conservation easements with local landowners. Now, it's an early partner in the Keystone 10 Million Trees Partnership, which CBF launched and coordinates.

Recognizing the critical role forests play in reducing water and air pollution and mitigating the effects of climate change, both locally and downstream in the Bay, the partnership sets an ambitious goal to plant 10 million trees in Pennsylvania by the end of 2025. The Commonwealth's patchwork of small farms and municipalities means local connections are especially important for making on-the-ground progress.

Lebanon County is home to 140,000 people and located roughly 30 miles east of Harrisburg in the Susquehanna River watershed. But the county can get overlooked when it comes to conservation funding, says Crawford. Support from CBF and its members allowed the conservancy to plant hundreds of trees in streamside areas—work it otherwise couldn't accomplish.

"We're a conservancy with one employee, so we thrive on partnerships," Crawford says.

Word of mouth is catching the interest of more landowners, including a sportsman's association that planted 300 trees this fall. And the plantings serve as a bridge to engage a wide segment of the Lebanon community in land and water stewardship. Volunteers bake brownies for the work crews. Kids collect leaf rubbings to learn about the trees.

"We have students, stay-at-home moms, retired people—we have a true gamut," says Crawford. "And we're spreading the message across generations."

A young sapling is planted near farmland as part of the Keystone 10 Million Trees Partnership.

WILL PARSON/CHESAPEAKE BAY PROGRAM

2019 HIGHLIGHTS

The Chesapeake Bay watershed reaches across 64,000 square miles, six states, and the District of Columbia. With your support and the support of thousands of volunteers, we are implementing solutions that work locally to clean up rivers and streams throughout this amazingly diverse landscape, from Appalachian farm fields to the coastal marshes of the Eastern Shore. Here are just a few of the shining examples from this past year.



EDUCATE

1 CBF launched **Pennsylvania's Student Action and Restoration Program (StAR),** expanding its education presence in the Keystone State.

CBF educated **more than 34,000 students, teachers, and adults** through our award-winning environmental education programs.

CBF reached **more than 150 veterans, first responders, and their families in York County, Pennsylvania** through the fifth annual Veterans on the Susquehanna paddling event.

CBF's Baltimore Harbor Environmental Education Program became a **Curriculum Embedded STEM Experience for fifth-grade students in Baltimore City Public Schools**.

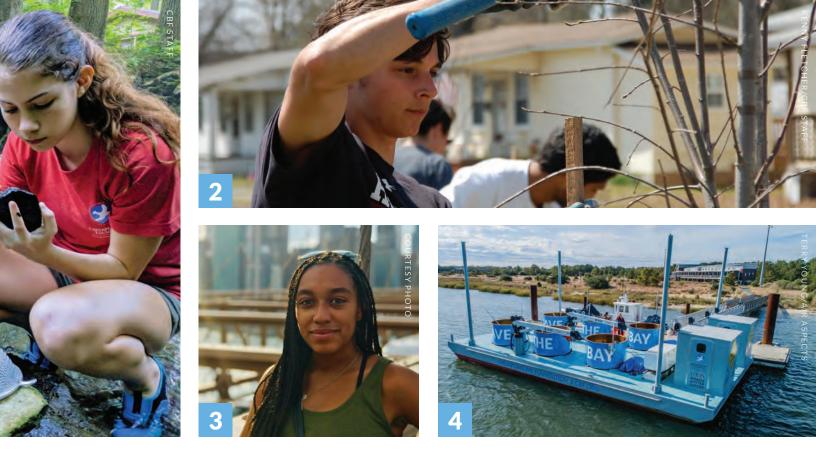
Pennsylvania's Environmental Education Advisory Council selected **Tarrea Potter, CBF's Pennsylvania Outreach Coordinator**, as a new representative. The Kresge Foundation's Racial Equity Learning Program selected CBF to participate in intensive training with The Avarna Group to help achieve CBF's **diversity, equity, inclusion, and justice** goals.

CBF's Teacher Environmental Literacy Leaders (TELL) program grew to **47 mentors, who provide ongoing support to over 340 teachers**, delivering environmental literacy instruction to students across the watershed.

ADVOCATE

Through its **first Tree Stewards course held in Hopewell, Virginia**, CBF trained a dozen volunteers to to advocate for more trees in their community and increase the survivability of tree plantings through proper maintenance.

Through advocacy efforts in Virginia, CBF helped secure nearly \$90 million—an unprecedented level of investment—for the agricultural cost-share programs that help farmers install conservation practices.



CBF inspired **71,181 advocacy actions** supporting the Blueprint and clean water at the local, state, and federal level.

LITIGATE

To help extend its focus on the Bay area's underrepresented and diverse communities, CBF secured **Taylor Lilley** as its new Environmental Justice Staff Attorney.

CBF successfully defended a **precedent-setting stormwater utility fee program**—which help cities pay for critical projects that reduce polluted runoff to the Bay—in Roanoke, Virginia.

RESTORE

CBF christened innovative twin oyster restoration barges, The Prudence H. & Louis F. Ryan Mobile Oyster Restoration Center. With the ability to travel directly to restoration sites, the mobile oyster centers will double CBF's Virginia oyster production capacity to up to 20 million oysters per year.

CBF's volunteer oyster gardeners in Virginia raised and returned **nearly 104,000 oysters for Bay restoration**—**three times the number in 2018**.

CBF's large-scale oyster plantings and volunteer oyster gardener efforts helped the Great Baltimore Oyster Partnership exceed its goal to plant **5 million oysters in the Patapsco River**.

David and Marie Graybill, who sit on CBF's Pennsylvania Farmer Advisory Council, earned the **Dairying for Tomorrow award** from the American Dairy Association North East for the conservation practices implemented on their farm in Juniata County.

CBF scientists estimated the average pollution-reduction benefits of rotational grazing on actual Chesapeake Bay farms to be **63 percent for nitrogen**, **67 percent for phosphorus**, **47 percent for sediment and 42 percent for greenhouse gas emissions**.

FINANCIAL OVERVIEW

FISCAL YEAR ENDING JUNE 30, 2019

CBF's management practices ensure that operating and capital campaign funds raised in the current year as well as campaign funds pledged in previous years are effectively put to use to support programs to save the Bay.

Support and Revenue

Membership Contributions	\$ 5,135,451
Grants & Gifts	21,247,286
Education Contracts & Tuition	1,040,240
Investment Income	3,064,414
Donated Goods & Services	
Other	1,055,923
Revenue for Current Year	\$ 32,489,077

Expenses

Program Services	
Environmental Education	7,148,576
Environmental Protection & Restoration	13,296,252
Strategic Communications	3,538,930
Comment Commission	(00/ 17/
Support Services	6,386,176
General & Administrative	2,355,652
Fundraising	4,030,524
Total Expenses	\$ 30,369,934
Total Expenses Change in Net Assets Before Capital Additions	
	\$ 2,119,143*
Change in Net Assets Before Capital Additions	\$ 2,119,143* \$ 1,310,840**
Change in Net Assets Before Capital Additions Capital Additions	\$ 2,119,143* \$ 1,310,840** \$ 3,429,983

A copy of the audited financial statement & IRS Form 990 is available at cbf.org or by calling 888/SAVEBAY.

*\$2,227,885 is related to Making History Campaign and future expenditures.

**Includes \$1,290,744 of realized and unrealized investment gains.



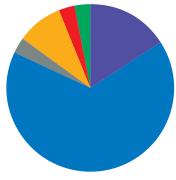
BEST Vienter Menores Best Charters

GuideStar Exchange Platinum Participation Level

America's Best Charities Seal of Excellence

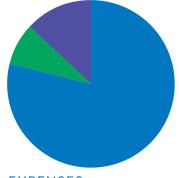


Better Business Bureau Top-Ranked Charity



REVENUE

16%	Membership Contributions
66%	Grants & Gifts
3%	Education Contracts & Tuition
<mark>9</mark> %	Investment Income
3%	Donated Goods & Services
3%	Other



EXPENSES

79% Program Services
8% General & Administrative
13% Fundraising



Saving a National Treasure

Maryland

Philip Merrill Environmental Center 6 Herndon Avenue Annapolis, MD 21403 410-268-8816

Eastern Shore 114 South Washington Street Suite 103 Easton, MD 21601 410-543-1999

Clagett Farm and CSA 11904 Old Marlboro Pike Upper Marlboro, MD 20772

Maryland Oyster Restoration Center 4800 Atwell Road Shady Side, MD 20764

Pennsylvania

1426 North Third Street Suite 220 Harrisburg, PA 17102 717-234-5550

Virginia

1108 East Main Street Suite 1600 Richmond, VA 23219 804-780-1392

Brock Environmental Center 3663 Marlin Bay Drive Virginia Beach, VA 23455 757-622-1964

Virginia Oyster Restoration Center 1219 Franklin Road Gloucester Point, VA 23062 757-644-4125

Washington, D.C.

1615 M Street, NW Washington, DC 20036 202-544-2232

ABOUT THE COVER: A snowy egret wades through a stream looking for breakfast.

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ISTOCK/JOESBOY

OUR MISSION: Save the Bay[™] and keep it saved, as defined by reaching a 70 on CBF's Health Index.