

2022 ANNUAL REPORT



Partnership for the
**DELAWARE
ESTUARY**

Connecting people, science, and nature
for a healthy Delaware River and Bay

MESSAGE from the EXECUTIVE DIRECTOR

Dear Friends,

In 2022 we celebrated the 50th Anniversary of the Clean Water Act. Out of this historic legislation came many things, including the creation of the Delaware Estuary Program and the Partnership for the Delaware Estuary (PDE).

Since our founding in 1996, PDE has directly supported the vision and legacy of the Act through our work to improve water quality in our region, and we are more committed than ever to protecting and restoring the Delaware River and Bay.

Thank you to our Board of Directors, staff, partners, and supporters from across the region who helped make last year a success. We look forward to continuing to work together on behalf of Clean Waters, Healthy Habitats, and Strong Communities.

In gratitude for your ongoing support,



Kathy Klein
Executive Director



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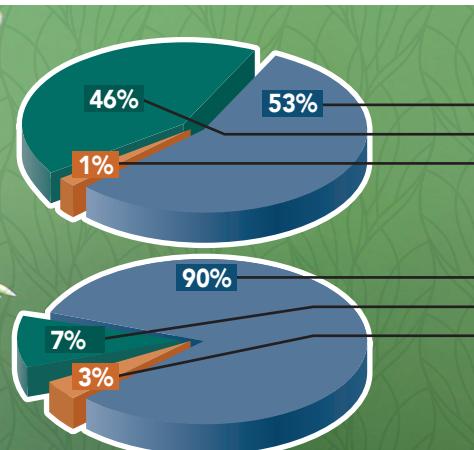
Scott T. Northey – The Chemours Company

Krista Seng – Aqua

David Small – Verdantas

Eric Wentz – Covanta

2022 STATEMENT of ACTIVITIES*



Please remember PDE
in your giving!

FOR THE YEAR ENDED DECEMBER 31, 2022

Support and Revenue:

Government Grants and Contracts.....	\$1,687,985
Contributions and Grants.....	\$1,466,588
Other Revenue.....	\$ 19,982
TOTAL SUPPORT AND REVENUE.....	

Expenses:

Program Services.....	\$2,822,659
Management and General.....	\$ 218,011
Fundraising.....	\$ 107,682
TOTAL EXPENSES.....	

Change in Net Assets.....	\$ 26,202
Net Assets at December 31, 2021.....	\$1,535,841
Net Assets at December 31, 2022.....	\$1,562,043

*Audit not completed at time of publication.



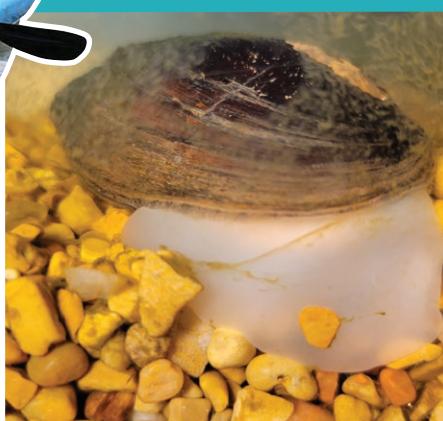
CLEAN WATERS: Freshwater Mussels

The Partnership for the Delaware Estuary continues its freshwater mussel research, restoration, and education work to improve biodiversity, water quality, and habitat enhancement. In 2022, we propagated over 10,000 freshwater mussels at the Philadelphia Water Department's

Fairmount Water Works Demonstration Hatchery. We are also growing mussels at places like Green Lane Reservoir; Winterthur Museum, Garden, & Library; and even in stormwater ponds!

In conjunction with Bartram's Garden, PDE kicked off a capital campaign for the construction of the new Freshwater Mussel Hatchery and Ecosystems Education Center in Southwest Philadelphia. A first-of-its kind project, the hatchery could eventually produce up to 500,000 mussels each year. These animals will be used to rebuild natural mussel beds in streams, rivers, and ponds across our region and beyond.

A mussel using its foot to bury itself in a streambed.



Assessing the health of mussels at Winterthur in Wilmington, DE.



A variety of freshwater mussels.

HEALTHY HABITATS:

Green Infrastructure and Habitat Enhancement

Green infrastructure can provide easy, low-cost solutions to manage stormwater while also improving water quality and habitats in the Delaware Estuary. PDE works with schools and communities in the region to design and install these types of projects. One of the most common issues in any habitat project is proper maintenance, such as weeding and replanting. This continued site management helps the proper long-term functioning of these projects, so our team is creating new ways to educate and engage caretakers to ensure long-term success.



Delaware Estuary. PDE works with schools and communities in the region to design and install these types of projects. One of the most common issues in any habitat project is proper maintenance, such as weeding and replanting. This continued site management helps the proper long-term functioning of these projects, so our team is creating new ways to educate and engage caretakers to ensure long-term success.

Planting a rain garden in Salem, NJ.





Installing a pollinator garden at the H. Fletcher Brown Boys and Girls Club.

In 2022, PDE led the expansion of a native plant rain garden at a school in Salem, NJ. We also developed and installed a pollinator garden with 450 native plants at the H. Fletcher Brown Boys and Girls Club in Wilmington, DE. An educational program accompanied the project at this Boys and Girls Club, and students were involved in all stages of the process, including the weeding!



Local students help plant native plants in a new pollinator garden.

Working on a rain garden in Salem, NJ.



Kaitie aka "our freshwater mussel" shows us her "muscles".



STRONG COMMUNITIES: Delaware River Festival

Engaging community members is a fantastic way to build stewardship, raise awareness, and engage the next generation of Delaware Estuary enthusiasts. Each year, PDE participates and hosts a large number of community and environmental events throughout the region. One of our largest and longest-running events is the Delaware River Festival.

After several years of operating as a virtual or hybrid event due to COVID-19 restrictions, in September 2022 the Delaware River Festival returned to Penn's Landing in Philadelphia, PA, and Wiggins Park in Camden, NJ. Over 3,000 people attended, with 75% of them participating for the first time. The day included a bevy of fun activities, with opportunities to get on the water in pedal boats or rides on the ferry. Kids of all ages participated in a Delaware River themed scavenger hunt, crafts table, face painting, and entrance to the Independence Seaport Museum. PDE is proud to have hosted this annual event since 2002, which brings together thousands to celebrate our region's waterways and connect people to the Delaware River.



A father and son learn about their drinking water at a booth at the Delaware River Festival.

2022 FUNDERS, SPONSORS, and DONORS

The Partnership for the Delaware Estuary thanks everyone who supported our work with contributions, grants, event sponsorship, cooperative agreements, and donations.



GRANTS, CONTRACTS, & PROJECT FUNDING SUPPORT

3Mgives
AECOM
American Planning Association,
Delaware Chapter
American Water Resources Association
American Rivers
Aqua America, Inc.
Aqua Pennsylvania
Barnegat Bay Partnership
Center for Research in Wind
Christina Brandywine River Restoration,
Resilience & Remediation
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H. Fletcher Brown Boys and Girls Club
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Mercer County Parks Commission
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National Sea Grant
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New Jersey Marine Sciences Consortium/
New Jersey Sea Grant
New Jersey Department of Environmental
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NV5, Inc.
Pennsylvania Coastal Resources
Management Program
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Pennsylvania Infrastructure Investment
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Rutgers University
Rutgers University, Haskin Shellfish
Research Laboratory
Salesforce Foundation
Schuylkill River Restoration Fund
Stantec Consulting Services, Inc.
Sussex County Council
U.S. Department of Agriculture
U.S. Department of Defense, ERDC
U.S. Environmental Protection Agency
U.S. Fish & Wildlife Service
University of Delaware
University of Delaware, Environmental Club
University of Maryland
Wakefern Food Corporation
William Paterson University
William Penn Foundation
Winterthur Museum, Garden, & Library

CORPORATE & COMMUNITY ENVIRONMENTAL STEWARDSHIP PROGRAM (CESP)

New Castle County
Vicinity Energy

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Philadelphia Water Department
Pilot's Association for the Bay and River Delaware
PSEG
Rutgers University, Haskin Shellfish Research Laboratory
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Delaware Botanic Gardens
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Philadelphia Union
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Quintessence Theatre Company
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Krista Seng
Sever Glassworks

Shake Shack
Shofuso Japanese House and Garden
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Wawa

2022 DONORS

(Campaign year – January 1, 2022 through December 31, 2022)

\$5,000 and Above

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\$1,000 to \$4,999

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David Mattern

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Howard Schaevitz

In Memory of Jeff Hoeltzel

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In Memory of Sophie Homsey

Andrew Homsey

In Honor of Eric Lienhard

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Melanie Topper

In Memory of Mike McCoubrie

Thomas Gehret

Peggy McCutcheon

Wesley McCoubrie

In Memory of Michael D. Mellinger

Genevieve Goss

In Memory of Carl N. Schuster, Jr.

George Shuster

In Honor of Linda Swanson

Kj Swanson

PARTNERSHIP for the DELAWARE ESTUARY Staff



Kristie Arlotta, Delaware Community Assistant Coordinator
Chesa Blom, Philadelphia Community Coordinator
Sarah Boubouli, Habitat Project Manager
Haley Burns, DEEP Coordinator
Kurt Cheng, Shellfish Programs Manager
Kristen Cooney, Schuylkill Action Network (SAN) Fellow
Kaitie Evers, Engagement and SAN Coordinator
Kelly Faller, Estuary Science Specialist
Karen Forst, Senior Grants Manager
Matthew Gentry, Shellfish Coordinator
LeeAnn Haaf, Ph.D., Estuary Science Manager
John Harrod, Engagement Director
Davian Higgins-Reeves, Staff Accountant
Elizabeth Horsey, Development Director
Kathy Klein, Executive Director
Jessica Klinkam, Restoration Specialist

Danielle Kreeger, Ph.D., Senior Science Director
Kate Layton, Communications Coordinator
Jonetta Lucas, Finance Director
Martha Maxwell-Doyle, Senior Coastal Resiliency Manager
Leah Morgan, Assistant Coordinator of Estuary Science
Nancy Nyamumbo, Staff Accountant
Kerry O'Connell, Development Coordinator
Meghan Rogalus, Schuylkill Action Network (SAN) Manager
Erica Rossetti, Urban Waters Program Coordinator
Ella Rothermel, Data Management Coordinator
Jana Savini, Coastal Collaboration Coordinator
Cyndi Slothour, Office Administrator
Ken Williamson, Restoration Specialist
Brian Yerger, Business and Operations Director

DELAWARE ESTUARY PROGRAM COMMITTEES

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Marc Cammarata, Deputy Water Commissioner – Philadelphia Water Department
Lisa Daniels, Acting Deputy Secretary of Water Programs – Pennsylvania Department of Environmental Protection
Javier Laureano, Ph.D., Director of Clean Water Division – U.S. Environmental Protection Agency, Region 2
Vincent Mazzei, Assistant Commissioner for Watershed and Land Management – New Jersey Department of Environmental Protection
Adam Ortiz, Regional Administrator – U.S. Environmental Protection Agency, Region 3
Steve Tambini, Executive Director – Delaware River Basin Commission
Joseph Tarsavage, Chair – Partnership for the Delaware Estuary Board of Directors

2022 ESTUARY IMPLEMENTATION COMMITTEE

Chair: Kathy Klein, Partnership for the Delaware Estuary
Elizabeth Butler, U.S. Environmental Protection Agency, Region 2
Lynette Lurig, New Jersey Department of Environmental Protection
Catherine Magliocchetti, U.S. Environmental Protection Agency, Region 3
Rachael Phillos, Delaware Department of Natural Resources and Environmental Control
Chad Pindar, Delaware River Basin Commission
Susan Weaver, Pennsylvania Department of Environmental Protection
William Whalon, Philadelphia Water Department

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Vice Chair: Gregory Lech – Pennsylvania Fish and Boat Commission, Division of Environmental Services
Science Advisor: Danielle Kreeger, Ph.D. – Partnership for the Delaware Estuary
Ex Officio Representative: Kathy Klein – Partnership for the Delaware Estuary, EIC Chair

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Randall Brown – Pennsylvania Department of Environmental Protection
Joshua Moody, Ph.D. – New Jersey Department of Environmental Protection
Alison Rogerson – Delaware Department of Natural Resources and Environmental Control
Kelly Somers – U.S. Environmental Protection Agency, Region 3
Namsoo S. Suk, Ph.D. – Delaware River Basin Commission, Monitoring Advisory Committee, & Toxics Advisory Committee

ELECTED REPRESENTATIVES

Laura Craig, Ph.D. – Princeton Hydro
Sheila Eyer – United States Fish and Wildlife Service
Ronald B. Heun, Jr. – Constellation Energy Generation, LLC
Doug Janiec – Sovereign Consulting, Inc.
Joshua Moody, Ph.D. – Partnership for the Delaware Estuary
Daphne Munroe, Ph.D. – Rutgers University, Haskin Shellfish Research Laboratory
Andrew Reif – United States Geological Survey
Pete Rove – New Jersey Sea Grant Consortium
David Smith – United States Geological Survey
Kenneth A. Strait – PSEG
Bart Wilson – United States Fish and Wildlife Service



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110 S. Poplar Street, Suite 202, Wilmington, DE 19801

(302) 655-4990 • www.DelawareEstuary.org

The Partnership for the Delaware Estuary, host of the Delaware Estuary Program, leads collaborative, science-based efforts to improve the tidal Delaware River and Bay, which covers portions of Delaware, New Jersey, and Pennsylvania.