Partnership for the Delaware Estuary Staff

Emily Baumbach, Estuary Program Coordinator
Sarah Boumboul, Habitat Project Coordinator
Kurt Cheng, Shellfish Coordinator
Nancy Descano, Finance & Administrative Director
Karen Forst, Grants Manager
Matt Gentry, Shellfish Specialist
Lea Ann Haef, Wetland Coordinator
Elizabeth Horany, Development Director
Katie Hutelmyer, Collaborative Programs Manager
Kathy Klein, Executive Director
Danielle Krewger, Senior Science Director
Kate Layton, Communications Coordinator

Jonetta Lucas, Staff Accountant
Josh Mowdy, Restoration Programs Manager
Sarah Morales, Outreach Coordinator
Leah Morgan, Science Fellow
Bautzio O’Hara, Wetlands Specialist
Angela Padletti, Operations Director
Francesca Ramazzotti, Community Engagement Specialist
Estela Rossetti, SAV Coordinator
Ella Rothermel, Science Technical Analyst
Kaitlin Tucker, Watershed Planning Coordinator
Ken Williamson, Program Assistant

Delaware Estuary Program Committees

Steering Committee
Chair: Amea Atkinson, Deputy Secretary of Water Programs – Pennsylvania Department of Environmental Protection
Marc Cammarata, Deputy Water Commissioner – Philadelphia Water Department
Bruce Friedman, Director of Water Monitoring and Standards – New Jersey Department of Environmental Protection
Shawn Garvin, Secretary – Delaware Department of Natural Resources and Environmental Control
Javier Laureano, Ph.D., Director of the Clean Water Division – U.S. Environmental Protection Agency, Region 2
Cosmo Servidio, Regional Administrator - U.S. Environmental Protection Agency, Region 3
Steve Tambroni, Executive Director – Delaware River Basin Commission
Joe Tarsavage, Chair – Partnership for the Delaware Estuary Board of Directors

Estuary Implementation Committee
Chair: Kathy Klein, Partnership for the Delaware Estuary
Kelly Anderson, Philadelphia Water Department
Elizabeth Butler, U.S. Environmental Protection Agency, Region 2
Kimberly Curtin, Delaware Department of Natural Resources and Environmental Control
Catherine Magliodotti, U.S. Environmental Protection Agency, Region 3
Rhonda Manning, Pennsylvania Department of Environmental Protection
Chad Piazzi, Delaware River Basin Commission
Jay Springinger, New Jersey Department of Environmental Protection

Science and Technical Advisory Committee

STANDING REPRESENTATIVES
Chair: Kristin Regan – U.S. Environmental Protection Agency, Region III
Co-Chair: Dorothy Frazza – Getting to Resilience, LLC
Science Advisor: Danielle Krewger, Ph.D. – Partnership for the Delaware Estuary
Ex Officio Representative: Kathy Klein – Partnership for the Delaware Estuary, EIC Chair

Lance Batur – Philadelphia Water Department
Karon Hess – Pennsylvania Department of Environmental Protection
Kelly Somars – U.S. Environmental Protection Agency, Region II
Namore S. Elk, Ph.D. – Delaware River Basin Commission, Monitoring Advisory Committee, & Toxics Advisory Committee
David Wolanski – Delaware Department of Natural Resources and Environmental Control

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Laura Craig, Ph.D. – American Rivers
Ron Hahn – Eelzon
Doug Janis – Sovereign Consulting, Inc.
Darmond Kahn, Ph.D. – Fishery Investigations
Susan Khlan, Ph.D. (Past Chair) – Drexel University, Department of Bioscience and Biotechnology
Greg Ladd – Pennsylvania Department of Environmental Protection
Joshua Mowdy, Ph.D. – Partnership for the Delaware Estuary
Jason Monson – Rutgers University, Haskin Shellfish Research Laboratory
Daphna Moreau, Ph.D. – Rutgers University, Haskin Shellfish Research Laboratory
Andrew Reed – United State Geological Survey
Alison Rogeran – Delaware Department of Natural Resources and Environmental Control
Peter Rowes – New Jersey Sea Grant Consortium
David Smith – United State Geological Survey
Kari St. Laurent, Ph.D. – Delaware Department of Natural Resources and Environmental Control
Kenneth A. Strait – Partnership for the Delaware Estuary, Science Advisor: Danielle Kreeger, Ph.D.
Co-Chair: Dorina Frizzera

STANDING REPRESENTATIVES
METTHEA YEPSEN – New Jersey Department of Environmental Protection

THE PARTNERSHIP FOR THE DELAWARE ESTUARY, HOST OF THE DELAWARE ESTUARY PROGRAM, LEADS SCIENCE-BASED AND COLLABORATIVE EFFORTS TO IMPROVE THE DELAWARE RIVER AND BAY, WHICH SPANS DELAWARE, NEW JERSEY, AND PENNSYLVANIA.

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

Annual Report 2019
### Message from the Board Chair and Executive Director

**Dear Friends,**

Thanks to our dedicated Board of Directors, amazing staff, and energized partners from across the Delaware Estuary region, 2019 was a fantastic year for the Partnership for the Delaware Estuary (PDE).

We are passionate about the Delaware River and Bay. This majestic, powerful and awe-inspiring resource plays a critical role in our lives every single day. From the headwaters to the bay, this waterway has shaped our past and will determine our future.

Here at PDE, we believe that positive environmental change is not only possible, but also imperative, especially with the impacts of a changing climate accelerating at an alarming rate. We believe that clean water is a right, not a privilege. We believe that change begins with each of us.

We are all so fortunate to live and work in a region that has so much to offer. The connections we have to the Delaware River and Bay are critical to our quality of life. By working together, we can ensure Clean Waters, Strong Communities, and Healthy Habitats for future generations.

In gratitude for your ongoing support,

**Joseph M. Tarsavage**  
Board Chair

**Kathy Klein**  
Executive Director

---

### 2019 Board of Directors

**Executive Committee**

Chair: Joseph Tarsavage – Wood

Vice Chair Carol R. Collier – The Academy of Natural Sciences of Drexel University

Treasurer: Jill E. Voorhees – SWI International

Secretary: David J. Athey – AECOM

Helen L. Gregory – PSEG Nuclear, LLC

Lawrence D. Malizzi – Ramboll

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Colleen M. Arnold – Aqua America, Inc.

Danielle A. Buehler – Philadelphia International Airport

David Bushek – Rutgers University Haskin Shellfish Research Laboratory

Laura Copeland – Philadelphia Water Department

Michael Dillon – Manko, Gold, Katcher & Fox, LLP

Craig Durand – TTI Environmental, Inc.

Katherine S. Eberhart – Churchill Consulting Engineers

Ronald B. Heun, Jr. – Exelon Generation

Roxanne E. Jayne – Law Office of Roxanne E. Jayne, LLC

Kristina Kesack – Lockheed Martin

Gus Mergenthaler – Tetra Tech, Inc.

David Small – Duffield Associates

**2019 Audited Statement of Activities**

FOR THE YEAR ENDED DECEMBER 31, 2019

**Support and Revenue:**

- Government Grants: $1,838,999
- Contributions and Grants: $737,446
- Other Revenue: $81,966

**TOTAL SUPPORT AND REVENUE:** $2,658,411

**Expenses:**

- Program: $1,299,138
- Management and General: $553,095
- Fundraising: $225,112

**TOTAL EXPENSES:** $2,077,345

**Change in Net Assets:** $– 48,934

Net Assets at December 31, 2018: $1,577,798

Net Assets at December 31, 2019: $1,528,864

Please remember PDE in your giving!

---

### 2019 By the Numbers

- 5,000+ Delaware River Festival Attendees
- 650 Native Plants Given Away at Earth Day
- 5,564 Tree Rings Measured
- 230 Feet of Living Shoreline Installed
- 829 Storm Drain Markers Installed
- 74,360 Pounds of Oyster Shell Recycled
- 1 Spokesdog Winner
- 97 Mussel Madness Kick-Off Party Attendees
- $112,000 Raised at the Experience the Estuary Celebration
- 109 Presentations at the Science Summit
- 1,000+ Social Media Posts
- 100 American Shores & Beach Preservation Association Best Restored Shore Award
- 1 Entries in Student Art Contests

---

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Message from the Board Chair and Executive Director

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1,000,000+ Pounds of Trash Removed During the Schuylkill Scrub
$112,000 Raised at the Experience the Estuary Celebration
109 Presentations at the Science Summit
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1 American Shore & Beach Preservation Association Best Restored Shore Award
100 Teacher Workshop Attendees
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230 Feet of Living Shoreline Installed
289 Storm Drain Markers Installed
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829 Locations Growing Freshwater Mussels

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2019 Funders, Sponsors, & Donors
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Grants, Contracts, & Project Funding Support
3Mgives
The Academy of Natural Sciences of Drexel University
Aqua America, Inc.
Aqua Pennsylvania, Inc.
Barnegat Bay Partnership
Camden County Municipal Utilities Authority
City of Wilmington
Colonial Pipeline Company
Delaware Center for Inland Bays
Delaware Department of Natural Resources and Environmental Control
Delaware Nature Society
Delaware National Estuarine Research Reserve
Delaware Recycling Public Advisory Council
Delaware Water Infrastructure Advisory Council
Drexel University
DuPont Nature Center
Energy Transfer/Sunoco Foundation
EDS Elastomer
Fairmount Water Works
Geraldine R. Dodge Foundation
Green/Trace Institute
Independence Seaport Museum
John Bartram Association
Kenny Family Foundation/ShopRite
Kleinfield

Corporate & Community Environmental Stewardship Program (CESP)
Budget Dumpster, LLC
Logan Generating Plant
Mannington Mills
New Castle County
Pepco Holdings, Inc.

2019 Donors
(Campaign year - January 1, 2019 through December 31, 2019)
$1,000 and Above
Ethel Cebra
Curtis W. McGraw Foundation
Dr. Susan S. Kilham
Kathy Klein & David Paul
Moreo Energy
Christine Neely
George F. Phelps
Jill Voorhees & Mark Corrigan

$500 to $999
All Saints’ Parish Thrift Shop
Steve & Colleen Arnold
Dannielle & Scott Buehler
Ms. Nancy Descano
Michael Dillon
Evelyn Foundation
Gross Graphics
James & Monica Hall
Ron Heun

$350 to $499
Kristina Kasack
Mr. & Mrs. Scott Long
Joseph & Jeanie McAtee
Shawn McGinley
Guaj Meshenberger
Andrew & Kathie Kenney
Thomas C. Roberts
David & Cindy Small
Joseph Tarsavage
Tracey Whitescarr & Terrance Huett

$250 to $499
Jani Alam
Anonymous
David Atchey
David & Deborah Bushk
Carol Collier
George Cooke
Roy Denmark & Judy Hykel

Robert K. Dobbs
Craig & Julie Durand
Kate Eberhart
Evelyn Foundation
Robert Goldman
Helen Gregory
Hunter Lott Realty Co.
Roseanna E. Jayne, Esq.
Judith Jeffers
Robert G. Locke & Sarah Thorne Locke
Mr. & Mrs. Scott Long
Lawrence Malzoi
Daniel J. Martin
Debra McCarty & Richard Stasionowski
Hiram H. Mungen
The O’Connor Family
Odoraro Native Plant Nursery
Mr. & Mrs. Jeffrey Pantazes
PSEG Foundation
The Reese Family Fund of The Philadelphia Foundation
Fred Wool

$150 to $249
Buzz & Kathy Adams
Jan Adkins & Andrew Cloud
Ed & Ridgeley Biddle
Warrn Butt & Elaine Schmiering
John & Burt Doremus
Tom & Melina El
Jeff & Karen Fleming
Ron Fennell & Sue Fuhrman
Russ Fumari
Edmund Horsey
J. Elizabeth Horsey
Robert W. Horsey
Bob Kalez
Dave & Bonnie Kitt
Alison Kraus & Dean Pantellere
Michael & Maria McCabe
Dan McCullough
Anne & Gary Murphy
Pamela Nelson
Down Rittenhouse
Mary Ellen & Robert T. Scott
Ralph & Cynthia Stahl
Virginia Thompson
Bob Tudor
Whibco, Inc.
William J. Wilson, Jr.

$75 to $149
Anonymous (3)
Charles App
Ronald G. Ashley
Bernie Bittner
Jose A. Burger
Senator Tom Carper
Steven & Margaret Castorani
Edward W. Christoffers
Charles Day Dilkis
Patty Ellis & Brian O’Leary
Alfred Gazu Jr.

$50 to $99
Jani Alam
Anonymous
David Atchey
David & Deborah Bushk
Carol Collier
George Cooke
Roy Denmark & Judy Hykel

Robert K. Dobbs
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Robert J. Golden
Gary V. Grubb
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James Hook & Wen Chyi Shyu
Maryann D. Hooker
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William & Martha Hudson
Douglas Janiec
Valerie M. Jones
Eugene Kasperowicz
Sue & Bernhard Kofos
Cecilia M. Kunath
George Kvaratskhelia
Lusia Lassova
Kate Layton
Mary & Charles Lock
Lawrence Lindsay
& Carla Pappin
Janet Louise
Kathleen Lynskey
Lisa Magee
Suzanne S. Marinell
Sharon Marshall
Stephen A. Martellucci
Lewis B. Maul
Richard McCorl
Kevin McKeever
Peter Milionis
Daphne Munroe
Susan Myerson
David Othmer
Dr. & Mrs. Harry W. Otto
Miles Owen
Dennis Palmer
Lynn & Joseph Pokrifka
Suzan Priklasat
Irene Y. Purdy
Charles Reed
Bill & Lorie Reichert
Brian J. Reidy
Roger J. Rider
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Delaware Natural Estuarine Research Reserve
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Delaware Water Infrastructure Advisory Council
Drexel University
DuPont Nature Center
Energy Transfer/Sunoco Foundation
ESi
Eversource Energy
Fairmount Water Works
George Cancer Community Care Foundation
Geraldine R. Dodge Foundation
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Klinesfilder
Kleinfelder

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Facebook
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Michael & Maria McCabe
Dan McCollister
Ann & Gary Murphy
Pamela Nelson
Dawn Rittenhouse
Mary & Bill Robinson
Virginia Thompson
Bob Tudor
Wbco, Inc.
William J. Wilson, Jr.

Up to $75

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John Alaim
Michael & Barbara Aluahin
AmazonSmile Foundation
Kelli Cloud Augustine
Shawn & Jamie Bailey
Neil Baker
Christopher Baum
John J. Blong
Michael N. Castle
John M. Cheezum, Jr.
Marianne B. Cinaglia
Denise Conner
Laura Copeland
Sharon & Dan Crampton
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Francis Demuro
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Linda Harris
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Ann Bakker Horsey
George Horvath
Richard Huffman
Larry Irwin
Johnson & Johnson
Charles Karl
Eleanor M. Kelly
Barbara Klein
Michael Klein
Kenneth Koch
Carla & George Krupanski
Timothy Preston Long
Donald & Theresa McBrady
Hans & Linda Medlar
Drew & Molly Mihocko
Walter Mudgan
Kenneth Najjar
D R. & Lee Taylor Nolan
Ellen & Stephen Pearlman
Courtney Richmond
Rachel Rodinmulli
Barbara T. Ross
Richard & Margaret Rhul
Julia I. Schauer & Boyd J. Benjamin
Jonathan & Gwyneth Sharp
Louisa Hill Spottwood
Kay Sykora
Ann Tagnell
Steve Thompson
Gus Wolfa & Laura Clasen
Lisa Wool

Roger J. Rider
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Chad Pindar, Delaware River Basin Commission
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Delaware Estuary Program Committees

EIC Chair

Kari St. Laurent, Ph.D. – United States Geological Survey

Chair: Dorota Frizara – Getting to Resilience, LLC

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Doug Janiec – Sovereign Consulting, Inc.
Damin Khalf, Ph.D. – Fishery Investigations
Suzan Kihlan, Ph.D. (Past Chair) – Drexel University, Department of Biosciences and Biotechnology
Greg Ladd – Pennsylvania Department of Environmental Protection
Joshua Mody, Ph.D. – Partnership for the Delaware Estuary
Jason Morson – Rutgers University, Haskin Shellfish Research Laboratory
Daphne Mowrey, Ph.D. – Rutgers University, Haskin Shellfish Research Laboratory
Andrew Reid – United States Geological Survey
Allison Rogerson – Delaware Department of Natural Resources and Environmental Control
Pete Rowes – New Jersey Sea Grant Consortium
David Smith – United State Geological Survey
Keri St. Laurent, Ph.D. – Delaware Department of Natural Resources and Environmental Control
Kendell A. Street – PSEG
Elizabeth Watson – The Academy of Natural Sciences of Drexel University
Bert Wilson – United States Fish and Wildlife Service

Chair: Aneca Atkinson, Deputy Secretary of Water Programs – Pennsylvania Department of Environmental Protection
Marc Cammarata, Deputy Water Commissioner – Philadelphia Water Department
Bruce Friedman, Director of Water Monitoring and Standards – New Jersey Department of Environmental Protection
Shawn Gieren, Secretary – Delaware Department of Natural Resources and Environmental Control
Javier Laureano, Ph.D., Director of the Clean Water Division – U.S. Environmental Protection Agency, Region 2
Cosmo Servidio, Regional Administrator – U.S. Environmental Protection Agency, Region 9
Steve Tambini, Executive Director – Delaware River Basin Commission
Joe Tarsavage, Chair – Partnership for the Delaware Estuary Board of Directors

Chair: Kathy Klein, Partnership for the Delaware Estuary
Kelly Anderson, Philadelphia Water Department
Elizabeth Butler, U.S. Environmental Protection Agency, Region 2
Kimberly Caffe, Delaware Department of Natural Resources and Environmental Control
Catherine Magliocchetti, U.S. Environmental Protection Agency, Region 3
Rhonda Manning, Pennsylvania Department of Environmental Protection
Chad Pindar, Delaware River Basin Commission
Jay Springer, New Jersey Department of Environmental Protection

The Partnership for the Delaware Estuary, a regional cooperative body, seeks to improve the tidal Delaware River and Bay and its tributaries through science, outreach, and education.