

# 2014 ACTIVITY REPORT



## The PARTNERSHIP for the DELAWARE ESTUARY



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



Signers of the newly rededicated agreement to support the Delaware Estuary toast with glasses of water.

## JOINT MESSAGE *from the* BOARD CHAIR *and* VICE-CHAIR



It's hard to believe that 2014 is my last year on the Board at the Partnership for the Delaware Estuary (PDE). I'm proud of all we've accomplished during my six year tenure on the Board.

During that time, many inspiring moments come to mind, but the one I'm most proud of is the rededication of the agreement between the three states that lay geographic claim to the Delaware Estuary – Delaware, New Jersey, and Pennsylvania. The agreement renews commitments, across state lines and jurisdictions, to cleaner water in the tidal Delaware River and Bay.

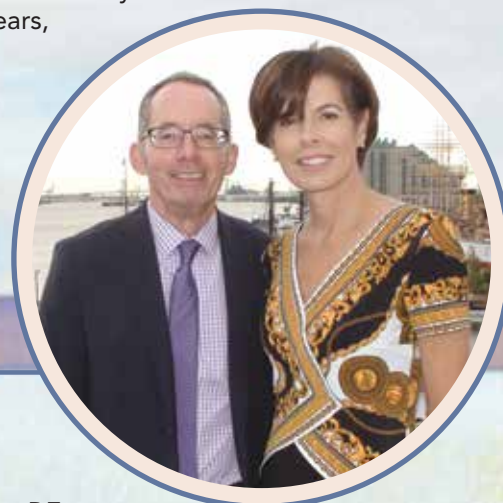
Among the signees are the Environmental Protection Agency (EPA) Regions 2 and 3, the Delaware River Basin Commission, the New Jersey Department of Environmental Protection, the Pennsylvania Department of Environmental Protection, the Delaware Department of Natural Resources and Environmental Control, and the Philadelphia Water Department.

I was at both the original signing in 1996 and the one in December 2014. From then till now, PDE has changed immensely, but the goal has remained the same. Protect and improve the estuary. This single objective is helping to safeguard the future and is providing focus for the work PDE does each day.

Speaking of the future, it is now time that I passed the torch of board chair into the very capable hands of Joni Powell. Joni has been my vice-chair for the past two years, and I am excited to see what the future brings for her, our energized Board, and the talented and hardworking PDE staff.

*Kevin C. Donnelly*  
Kevin C. Donnelly  
2014 Board Chair

*Joni L. Powell*  
Joni L. Powell  
2014 Vice-Chair and 2015 Board Chair



### 2014 BOARD OF DIRECTORS

#### Executive Committee

**Chairman:** Kevin Donnelly – New Castle Conservation District

**Vice-Chair:** Joni L. Powell – Kleinfelder

**Treasurer:** Thomas J. O'Connor – Aqua Pennsylvania

**Secretary:** Ginny Kreidler – Audubon Pennsylvania  
Calvin M. Davenger, Jr.

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Elizabeth R. Archer – Anne Klein Communications Group  
Joanne Dahme – Philadelphia Water Department  
Roy E. Denmark, Jr. – Urban Engineers, Inc.  
Robert K. Dobbs, Jr. – Camden County Conservation District  
Tom Ei – DuPont Corporate Remediation Group  
Ann Faulds – Pennsylvania Sea Grant  
Victor J. Giudice, CSP – Mannington Mills, Inc.  
Marc E. Gold – Manko, Gold, Katcher & Fox, LLP  
Douglas Janiec – Sovereign Consulting Inc.

Gerald J. Kauffman, P.E. –

University of Delaware, Water Resources Agency  
Alison Kraus – PSEG Nuclear, LLC  
Lisa Lindsey – PBF Energy Company LLC  
Kimberly Long – Exelon Corporation  
Scott J. Schwarz – Philadelphia Water Department  
David Jay Velinsky – Academy of Natural Sciences of Drexel University

#### New Board Members in 2015

David Athey – AECOM Technology Corporation  
Danielle Bower – Philadelphia International Airport  
Carol Collier – Academy of Natural Sciences of Drexel University  
Brenda Gotanda – Manko, Gold, Katcher & Fox, LLP  
Gus Mergenthaler – Tetra Tech, Inc.  
Rose Schilling – Day & Zimmermann

# MESSAGE *from the* EXECUTIVE DIRECTOR




When I think about the fondest memories from my childhood, almost all of them take place outside. Roasting marshmallows at family barbeques, swimming in the local pond, and exploring the woods and streams around our neighborhood – these memories stick with me the most.

As 2014 draws to a close, I can't help but reflect upon the memories and stories from the past 12 months at the Partnership for the Delaware Estuary (PDE). From the farming family in the Schuylkill making their land more eco-friendly, to teenagers from the city having new experiences in nature, and volunteers building living shorelines to save bayshore marshes, these amazing outdoor stories share one thing in common.

What is bringing all these stories together, weaving them into one, is the Delaware Estuary. This estuary is a beautiful, diverse, 6,000 square mile stretch of land (and water). For too long we've heard only one story about it – a story of industry and pollution that is rooted in the past. It's an important story, and the estuary still faces many threats. But it's time we hear others – stories like mine (and yours!) of recovery, resilience, and opportunities for the future.

In our 18th year as an organization, I am proud of how our story continues to evolve. As we look toward a new year, and a new chapter, I want to thank you for your interest, dedication, and support for our work. I also encourage you to tell your story. Each time you make a new outdoor memory, it's an opportunity to tell a new story about the Delaware Estuary, and to realize the important role you play as a supporter of PDE!

  
Jennifer A. Adkins  
Executive Director

## 2014 STATEMENT of ACTIVITIES\*

### FOR THE YEAR ENDED DECEMBER 31, 2014

#### Support and Revenue:

Government Grants.....	\$1,471,417
Contributions and Grants.....	\$ 520,441
Interest and Investment Income.....	\$ 5,253
Other Revenue.....	\$ 59,157

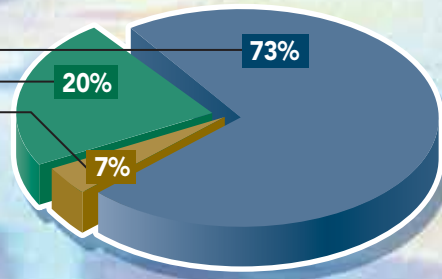
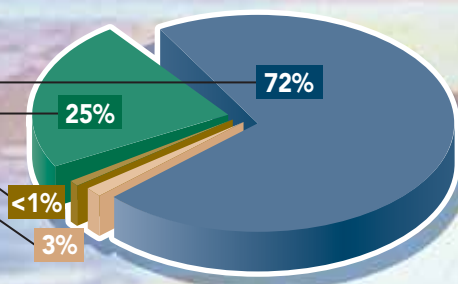
**TOTAL SUPPORT AND REVENUE.....\$2,056,268**

#### Expenses:

Program.....	\$1,460,170
Management and General.....	\$ 390,515
Fundraising.....	\$ 148,541

**TOTAL EXPENSES.....\$1,999,226**

Change in Net Assets.....	\$ 57,042
Net Assets at Beginning of Year.....	\$1,532,264
Net Assets at End of Year.....	\$1,589,306



\* Audit not complete at time of printing.



# 2014 STORIES of the YEAR

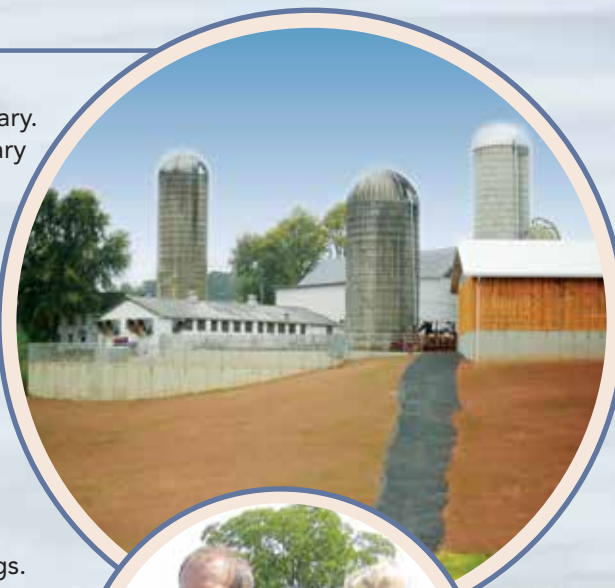
For this year's report, we're focusing on four projects and the people who have benefitted or been involved with them. We hope you enjoy their stories, and visit our website, [www.DelawareEstuary.org](http://www.DelawareEstuary.org), to learn about others who have been involved in our work this year.



Farm land accounts for a huge portion of the estuary. This spring the Partnership for the Delaware Estuary (PDE) worked with farmers and partners in the Schuylkill Action Network (SAN) to create a "Farmer's Guide for Healthy Communities." This guide contains actions farmers can take to reduce pollution. Many of the suggestions to reduce stormwater runoff and manage harmful nutrients were highlighted in a bus tour of agricultural restoration projects last August. One of the stops was the Davis dairy farm in Berks County, PA. The Davis' family recently updated their manure storage, installed stream bank fencing and a cattle crossing, and placed downspouts around buildings.

*"This project ignited us to think outside the boundaries of our farmland and to consider how our farming practices can affect the water quality of those downstream. Thank you, to everyone who contributed to helping this become possible!"*

— Teresa and Luther Davis



Throughout his or her career, a single teacher will educate thousands of students. In 18 years, hundreds of teachers have learned about the environment at our annual Delaware Estuary Teacher's Watershed Workshop.

This August, 22 new teachers learned innovative ways to teach about the estuary and environment. They toured "green projects" in Philadelphia. In New Jersey they learned about an oyster shell recycling program their students can get involved with. A day was spent in Delaware streams looking for mussels and macro-invertebrates. Teachers also learned hands-on ways to teach about wetlands, watersheds, and water cycles, even if resources prevent taking their class outdoors. Anne Noble-Vetter was one of the teachers who participated in this year's workshop.

*"With what I learned and the materials I was given, I'll be able to teach the 7th graders in my class about natural resources and focus on why water is so important."*

— Anne Noble-Vetter



(Anne is on the right)







Erosion and flooding are a constant threat to coastal communities around the Delaware Estuary. One method the Partnership for the Delaware Estuary (PDE) is using to combat these issues is living shorelines. In 2014, we installed four new living shorelines in Cumberland County, New Jersey and Sussex County, Delaware. At the Mispillion Harbor in Delaware, we used Lego-like structures called "oyster castles" to help break-up waves and provide a place for baby oysters to grow. Dawn Webb works at the DuPont Nature Center and has seen work at the Mispillion evolve since Day 1.

Photo by Chris Bennett,  
courtesy of DuPont  
Nature Center

*"There is no better way to see the benefits of a Living Shoreline than from the deck of the DuPont Nature Center. Young oysters are growing on the castles, Diamondback terrapins are basking on the logs, and new marsh grass invites wading birds in search of their next meal. I cannot wait to watch this nursery come to life next spring!"*

– Dawn Webb



Freshwater mussels are one of the most endangered species in North America, but PDE is working with citizen scientists to change that! This year we trained over 100 volunteers to search for freshwater mussels in local waterways. Data from these surveys are helping guide scientists to streams where mussels have been lost or need protection. One afternoon in July, a group of teenagers from the Green Jobs Program searched for mussels in the Brandywine Creek in Delaware. A main goal of the six-week program is to expose teens from Wilmington, Delaware and Camden, New Jersey to environmental careers. Brian is one of the teens who had a particularly good time that day in the stream.

*"I just want to thank you for doing this for us. This is stuff I would never get to see and it means a lot to me. I really like this."*

– Brian, 16 years old







1

### Schuylkill Action Students Projects

A 1,000 sq. ft rain garden was installed this spring by 30+ students at Christopher Dock High School. This Schuylkill Action Students project will help filter storm water on the school's campus before it reaches the Perkiomen Creek.

2

### Schuylkill Scrub

Over 1,700 people volunteered during the 2014 Schuylkill Scrub. This clean-up takes place over a three-month period in the Schuylkill watershed each spring.

Beaumont Elementary School Girl Scout Troop



3

### Wilmington Earth Day

This year thousands celebrated Earth Day in Wilmington, DE's Rodney Square. Kids and adults alike enjoyed eco-friendly crafts, raffles, and more!



4

### Living Shorelines

Four new living shorelines sites were installed in 2014 in New Jersey and Delaware. Biodegradable coconut fiber logs and mats, shell bags, native grasses, oyster castles, and mussels are being used to naturally build-up eroding shorelines.



## MAP of the DELAWARE

The Delaware Estuary portion of the... from the head of tide at Trenton, N... An estuary is a tidal waterway





# WARE ESTUARY

Delaware River Basin spans 134 miles  
J to the mouth of the Delaware Bay.  
where fresh and salt water mix.



## Freshwater Mussel Recovery Program

This summer, PDE and EPA snorkeled and scuba dove in the Delaware River in search of rare freshwater mussels. Searching for, and finding them, on the bottom of the river is like discovering hidden treasure!

5



6



## "Green Cities Clean Water" Art Contest & Stickers

Winners from this year's art contest saw their art work on the streets of Philadelphia! Temporary stickers were installed around storm drains in several locations throughout the city.

7



## Pennsylvania Coast Day

In September, PDE celebrated the 15th Annual Pennsylvania Coast Day on the banks of the Delaware River. Thousands came out for ferry rides, kayaking, fun crafts and more!

8

## Christina River Watershed Cleanup

In April, PDE hosted a site at the 23rd Annual Christina River Watershed Cleanup. Over 20 tons of waste was removed from the river by volunteers!



9

## Mid-Atlantic Coastal Wetlands Assessment

In 2014 PDE collected data from 55+ sites about how climate change, pollution, and mud are affecting the health of coastal wetlands. In select NJ Bayshore sites, we are assessing "marsh futures" to help identify which restoration projects are most likely to succeed.





# 2014 FUNDERS, SPONSORS, and DONORS

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

## Grants, Contracts, and Project Funding Support

The Academy of Natural Sciences of Drexel University  
 Barnegat Bay Partnership  
 Borkee-Hagley Foundation  
 City of Wilmington  
 Community Foundation of New Jersey  
 Delaware Clean Water Advisory Council  
 Delaware Department of Natural Resources and Environmental Control  
 Delaware Department of Transportation  
 DNREC – Delaware Coastal Program  
 DuPont Clear into the Future  
 Esri  
 The Geraldine R. Dodge Foundation  
 Laffey-McHugh Foundation  
 Natural Lands Trust  
 National Fish & Wildlife Foundation  
 National Oceanic & Atmospheric Administration  
 The Nature Conservancy  
 New Jersey Coastal Management Program  
 New Jersey Department of Environmental Protection  
 New Jersey Recovery Fund  
 Peco's Liquors  
 Pennsylvania Coastal Zone Management Program  
 Pennsylvania Department of Environmental Protection  
 Pennsylvania Sea Grant  
 Philadelphia Water Department  
 PSEG Nuclear, LLC.  
 Rutgers University  
 Salesforce Foundation  
 Schuylkill River Restoration Fund  
 Sunoco Foundation  
 United Water  
 U.S. Environmental Protection Agency  
 U.S. Fish & Wildlife Service  
 White Clay Wild and Scenic Program  
 The William Penn Foundation

## Corporate and Community Environmental Stewardship Program

City of Millville  
 Delmarva Power & Atlantic City Electric, PHI Companies  
 Logan Generating Company  
 Mannington Mills  
 New Castle County  
 Noramco, Inc.  
 Pepco Holdings, Inc.  
 Wheelabrator Gloucester Co., LP

## 2014 Donors

Buoy artwork by Susan Johnston

(Campaign year – January 1, 2014 through December 31, 2014.)

### \$1,000 and above

Jen Adkins & Andy Cloud  
 Antea Group  
 Breckinridge Capital Advisors  
 Curtis W. McGraw Foundation  
 Michael & Rebecca Gudgeon  
 Susan S. Kilham  
 Christine Neely  
 George F. Phelps  
 River Network

### \$500 to \$999

Calvin M. Davenger, Jr.  
 Roy Denmark & Judy Hykel  
 Kevin C. Donnelly  
 Gross Graphics  
 Kathy Klein & David Paul  
 Ginny Kreidler & Robert Croop  
 Joni L. Powell  
 Thomas C. Roberts  
 The Souvaine Heaton Family Fund

### \$250 to \$499

Elizabeth Archer  
 David Athey  
 Bristol-Myers Squibb Foundation  
 Richard P. Brown, Jr.  
 Jenifer N. & John Burghardt  
 Joanne Dahme  
 Robert K. Dobbs  
 Tom & Melina Ei  
 Edwin B. Erickson  
 Jeffrey E. Fleming  
 Marc E. Gold  
 Robert Goldman  
 In Memory of John T. & Martha Ann Mattern Grey  
 by Charlotte H. Crystal & David B. Mattern  
 Debbie & Clay Heaton  
 Alison Kraus



In 2014, PDE staff electrotagged 452 freshwater mussels. These tags will help us locate the mussels in the wild and track their health for years to come!



*In August, PDE served as the local partner for a Budweiser America Made Better Delaware River Cleanup. Thanks to all the cleanup volunteers!*



Preston Luitweiler  
Andrew T. Manus  
Daniel Martin  
Joseph & Jeanne McAtee  
Andrew & Kathleen Moody  
Hiram Munger  
Octoraro Native Plant Nursery  
The Oyster House  
Scott Schwarz  
Samuel Sudderth  
Tri-State Foot and Ankle Center

### **\$75 to \$149**

Buzz & Kathy Adkins  
Charles App  
Mary Arnold  
Shaun & Jamie Bailey  
Bernie Bittner  
James C. Bonavita  
Julia L. Bringhurst  
David & Kathleen Brownlee  
Warren Butt & Elaine Schmerling  
Mike Castle  
Steven & Margaret Castorani  
Nathan & Carolyn T. Cloud  
Carol Collier  
Tom Davidock  
Richard & Lorraine Fleming  
Victor J. Giudice  
Michael V. Griffin  
Rich & Deb Grohs  
Warren & Beth Haas  
Thomas Halliwell  
Michael Hogan  
James & Elizabeth Holt  
James Hook & Wen Chyi Shyu  
J. Elizabeth Horsey

Ann Tegnell  
Helen & Joe Troxell  
Elizabeth A. Truitt  
David Velinsky & Susan Johntz  
Weeds, Inc.  
William J. Wilson, Jr.  
Wilmington Tug, Inc.  
Gus Wolfe & Laura Classen  
Lisa Wool

### **Up to \$75**

Anonymous (19)  
AmazonSmile Foundation  
Atlantic County Utilities Authority  
Judith Auten  
Donald Azuma  
Robert G. Bachand  
Stephen H. Balzer  
Gene & Linda Becker  
Marc Boornazian  
Mary Ann Boyer  
Lorraine Bucco  
David & Hindi Burkett  
Senator Tom Carper  
Catskill Mountain Forestry Service  
Marianne B. Cinaglia  
Marti Coats  
Dorothy Colburn  
Mary Coley  
Kristen & John Connolly  
Jeanne & Burt Doremus  
Dee Durham  
Patty Elkins  
William S. & Melonie K. Ettinger



*Buoy artwork by Shakti & Yazmina Harris*

*A boy discovers the wonders of our watershed at this year's Pennsylvania Coast Day.*

### **\$150 to \$249**

AmeriDrill, Inc.  
Aquaterra Technologies, Inc.  
Christopher W. Bason  
Andy & Hilde Burger  
Leon K. Chain  
Anne DePaul  
Ann Faulds & Christopher Robinson  
Vincent & Jeanette Gorman  
Bruce M. Hashinger III  
IFS Insurance  
Bob Kahley  
Dave & Bonnie Kitts  
Paul Kozlak  
Danielle & Karen Kreeger  
Kimberly & Scott Long  
Barry McHale  
Jeff & Lynn Pantazes  
Mr. & Mrs. David P. Pollison  
Jerome & Joanne Rufft  
Rick & Susan Taylor  
Julie Varner & Tom Chegwiddden  
Whibco Inc.

George Horvath  
Norbert Huang  
Richard Huffman  
Laurence Irelan  
Douglas Janiec  
JP Morgan Chase  
Eric Lienhard & Heidi Splane  
Lawrence Lindsay & Carla Puppini  
Lisa J. Lindsey  
Donald MacBride  
Shawn McGlinchey  
Robert Molzahn  
Kerri & Joe Morris  
Anne Murphy  
Giuseppe & Lisa Palmarini  
PSEG Foundation  
Allen Reese & Joseph M. Hengel  
William & Loren Reichert  
Gary & Sherrie Robinson  
David Rodriguez  
Jane Offringa Rowan  
John W. Schneider  
Schuylkill County Conservation District  
Schuylkill River Heritage Area  
Mary Ellen & Bob Scott



Carol Collier and Bob Tudor were awarded the Delaware Estuary Jonathan Sharp Lifetime Achievement Award at the 2014 Experience the Estuary Celebration.



## 2014 Experience the Estuary Celebration

### SPONSORS

Academy of Natural Sciences of Drexel University

AKRF, Inc.  
Aqua America, Inc.  
Artesian Water Company, Inc.  
Cardno  
Carneys Point Generating Plant  
Delaware Department of Natural Resources and Environmental Control  
Delaware City Refinery  
Delmarva Power & Atlantic City Electric, PHI Companies  
Delaware River Basin Commission  
DuPont  
Exelon Generation  
Frank McShane Illustration & Design  
Greeley and Hansen  
Gross Graphics Services  
Hazen and Sawyer  
Integra Technologies  
Kleinfelder  
Logan Generating Plant  
Manko, Gold, Katcher & Fox, LLP  
New Castle Conservation District  
Philadelphia International Airport  
Philadelphia Regional Port Authority  
Philadelphia Water Department  
PSEG Nuclear LLC  
RT Environmental Services, Inc.  
Rutgers University, Institute of Marine and Coastal Sciences  
Urban Engineers, Inc.  
The Wellynn Group  
Wheelabrator Gloucester Company, LP

Eileen & Jim Fallers  
Tony Fernandes  
Robert E. & Anita J. Fonash  
French & Pickering Creeks Conservation Trust  
Robert J. Golden  
David Gosse  
Dominick Granato  
Ron Hamlen & Sue Fuhrmann  
Maribeth L. Hampel  
Marcia Hanson & William Saley  
Cheryl Hendershott  
Mrs. W. J. Hill  
Sara E. Holmes  
Andrew Homsey  
John W. & Christine Hooven  
Su Knoll Horty  
Melissa & Brad Huber  
Bernard Hughes  
Charles & June Johnson  
May Johnson  
John A. Jones  
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Regina Katz  
Gerald Kauffman  
Kevin & Julie Klabunde  
Sue Kofoet  
Anthony Kopke  
Christopher Kozicki  
Carl & Carolee Kunz  
Megan Kuzinski  
Lora Lavin  
Mary Leck  
Dion Lerman  
Dave & Rae Littlehale  
Suzanne Marinell  
Thomas Maslany  
John Matlusky  
Monica Matsanka  
Paul W. McCloskey  
Richard McCorkle  
Joe McGinn  
Robert B. McKinstry, Jr.  
Walter Mugdan  
Naamans Creek Watershed Association  
Pamela Nelson  
D.R. Nolan  
Francis J. & Robin O. Norris  
David Othmer  
Dr. Harry W. Otto  
Angela Padeletti & Shannon Freeman  
Honorable Karl J. Parrish  
R. Scott Peacock

### Volunteers install a Living Shoreline at Gandy's Beach, NJ.



Catherine Peek  
Louis J. Picciani  
Mrs. Joyce E. Pillsbury  
Lynn & Joseph Pokrifka  
Anthony & Regina Radocaj  
Alfred & Ann Readinger  
Brian J. Reidy  
Roger & Valerie Rider  
Stephen & Karen Rombach  
Bob Rosenberg & Marty D'Erasmio  
Barbara T. Ross  
Richard & Edna Ross  
Joshua Rossman  
Charles & Nancy Sapp  
June Satterfield  
Patricia Saybolt  
Jeanette Scanlon  
Eric & Linda Schrading  
Richard & Lee Schultz  
State Senator Judith Schwank  
Andrew Scott  
Cecily & Geoffrey Selling  
Roxanne Shinn  
Curtis O. Simpson  
Carol & David Smallwood  
Ronald & Lisa Smith  
Wendy Smith  
Joe & Peggy Splane  
Ralph Stahl  
Linda & John Stapleford  
Alfred Taylor  
Sabina M. Thorn  
Sharon Tracy  
Robert G. Traver  
In Memory of James A. Trent by Christopher A. Huang & Ann M. Collins  
Dr. Rosalind H. Troupin  
Tom Truman  
Andrew W. Urquhart  
Pam & Howard Venzie  
Kathleen Walz  
Mr. & Mrs. Carl Weihrer  
Craig Wensell  
Laura & Jon Whalen  
Jack & Floda Williams  
John L. Williams  
Lynn W. Williams  
Veronica M. Wilson  
Anne Witt  
Maria I. Wood  
Diane Zilka



Buoy artwork by Jessie Buckner



## FRIENDS OF THE DELAWARE ESTUARY

Delaware Center for the Inland Bays  
Delaware River Basin Commission  
Delaware Valley Regional Planning  
Commission  
Maurice River Township  
The Nature Conservancy  
Pennsylvania Department of  
Environmental Protection  
Pennsylvania Environmental Council  
Pennsylvania Sea Grant  
University of Delaware Water  
Resources Agency

## CONTRIBUTORS, VOLUNTEERS, & ARTISTS

Atlantic Cape Fisheries, Inc.  
Bivalve Packing Company  
Brulée Catering  
Jessie Buckner  
Cassandra Castillo  
Taylor Collins  
Calvin Davenger  
Joanne Dahme  
Roy E. Denmark, Jr.  
Robert K. Dobbs  
Kevin Donnelly  
Shannon Freeman  
Ann Faulds  
Marc Gold  
Vic Guidice  
Shakti & Yazmina Harris  
Ann Baker Horsey  
Independence Seaport Museum  
Doug Janiec  
Judi Jeffers  
Susan Johnston  
Jerry Kauffman  
Alison Kraus  
Eric Lienhard  
Lisa Lindsey  
Kim Long  
Dan Martin  
Frank McShane  
Tom O'Connor  
Dee Ross  
Joanne Rufft  
Saucony Creek Brewing Company  
Scott Schwartz  
Terri Slack  
Sly Fox Beer  
Kelly Somers



Buoy artwork  
by Ann B. Horsey

Kirsten Teel  
Victory Brewing Company  
Marianne Walch  
Yards Brewing Company

## SILENT & LIVE AUCTION CONTRIBUTORS

1812 Productions  
Adventure Aquarium  
Bellevue Special Events  
Brandywine Conservancy  
Brandywine Prime Seafood & Chops  
Bucks County River Country  
Camden RiverSharks  
Cape May-Lewes Ferry  
Andy Cloud  
Priscilla Cole  
Senator Chris Coons  
Tom Davidock  
Delaware Art Museum  
Delaware Museum of Natural History  
Roy E. Denmark, Jr.  
Robert Dobbs  
Kevin Donnelly  
Dover International Speedway  
Eastern State Penitentiary  
Tom Ei  
Exelon Power  
Friend of the Estuary  
Rob Goldman  
The Grand Opera House  
Hazen and Sawyer  
Debbie & Clay Heaton  
Elizabeth Horsey  
Kalmar Nyckel Foundation  
Kathy Klein  
Alison Kraus  
Kimberly Long  
Last Week Tonight with John Oliver  
Congressman Frank LoBiondo  
Charles J. Lawrence, P.E.  
Eric Lienhard  
Longwood Gardens  
The Melting Pot of Wilmington, DE  
Moore Brothers Wine Company  
Morey's Piers  
New Life Thrift Shop  
Newark Natural Foods Cooperative  
NHL Enterprises, L.P.  
Northbrook Canoe  
OPERA Delaware  
Otter Box

Buoy artwork  
by Terri Slack



The Oyster House  
Painted Stave Distilling  
Peco's Liquors  
Philadelphia Eagles  
Philadelphia Flyers  
Philadelphia Museum of Art  
Philadelphia Phillies  
Philadelphia Rock Gyms  
Nick Plinthos  
Rainbow Dinner Theater  
Jocelyn Robinson  
Sari Rothrock  
Renee Searfoss  
Saucony Creek Brewing Company  
Leo Sewell  
Sidney Frank Importing Company  
David Small  
Southwest Airlines Inc.  
Bruce Stutz  
Twin Lakes Brewing Company  
Julie Varner  
Victory Brewing Company  
Whitewater Farm Bed & Breakfast  
Whole Foods, Glen Mills  
Wilmington & Western Railroad  
Wilmington Blue Rocks  
Fred Wood  
Lisa Wool



Two new "spokes-dogs" were crowned at the Philly Water's Best Friend competition. Look out for our winners, Gracie and Daisy Ann, who will work to end "poo-llution" in the city of brotherly love!



# PARTNERSHIP for the DELAWARE ESTUARY

## 2014 STEERING COMMITTEE

**Chair:** Kelly Jean Heffner, Deputy Secretary for Water Management – Pennsylvania Department of Environmental Protection

Kevin Donnelly – Partnership for the Delaware Estuary Board of Directors  
Judith A. Enck, Regional Administrator – U.S. Environmental Protection Agency, Region 2  
Shawn M. Garvin, Regional Administrator – U.S. Environmental Protection Agency, Region 3  
Daniel Kennedy, Assistant Commissioner for Water Resource Management – New Jersey Department of Environmental Protection  
Howard Neukrug, Water Commissioner – Philadelphia Water Department  
David Small, Secretary – Delaware Department of Natural Resources and Environmental Control  
Steve Tambini, Executive Director – Delaware River Basin Commission

## 2014 ESTUARY IMPLEMENTATION COMMITTEE (EIC)

**Chair:** Jennifer A. Adkins – Partnership for the Delaware Estuary

U.S. Environmental Protection Agency, Region 3 – Ed Ambrogio, Megan Mackey  
U.S. Environmental Protection Agency, Region 2 – Janice Rollwagen, Alyssa Arcaya, Irene Y. Purdy  
Delaware Department of Natural Resources and Environmental Control – Sarah Cooksey, John Kennel  
Delaware River Basin Commission – Kenneth Najjar, Robert Tudor, Thomas Fikslin  
Drexel University – Susan S. Kilham, Ph.D., STAC Chair  
National Park Service – Joe Dibello  
New Jersey Department of Environmental Protection – Jay Springer, Dorina Frizzera  
Pennsylvania Department of Environmental Protection – Lori Mohr, Andy Zemba, Gary Obleski, Leslie Sarvis  
Philadelphia Water Department – Stephanie Chiorean, Amy Liu  
U.S. Fish and Wildlife Service – Gregory Breese

## 2014 STAFF

### Executive Team:

Led by Jennifer A. Adkins, Executive Director  
Beth Haas, Office Manager  
Gus Wolfe, Director of Finance and Operations

### Education & Outreach Team:

Led by Lisa Wool, Program Director  
Shaun Bailey, Marketing & Communications Coordinator  
Melissa Bittner, Program Specialist  
Tom Davidock, Senior Coordinator, Schuylkill Action Network  
Dee Ross, Watershed Program Coordinator  
Sari Rothrock, Watershed Planning Specialist II  
Virginia Vassalotti, Schuylkill Action Network Fellow

### Science & Restoration Team:

Led by Dr. Danielle Kreeger, Science Director  
Jessie Buckner, Science Intern  
Kurt Cheng, Drexel University Fellow  
Priscilla Cole, Data & Information Specialist II  
LeeAnn Haaf, Wetland Specialist  
Patrick Milillo, Science Intern  
Joshua Moody, Restoration Coordinator  
Angela Padeletti, Senior Science Coordinator  
Jocelyn Robinson, Science Intern

### Development Team:

Led by Debbie Heaton, Director of Development  
Dee Durham, Coordinator of Grants  
Karen Forst, Director of Institutional Giving / Grant Writing Consultant  
Elizabeth Horsey, Coordinator of Individual Giving

## 2014 SCIENCE AND TECHNICAL ADVISORY COMMITTEE (STAC)

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Lance Butler – Philadelphia Water Department  
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Renee Searfoss – U.S. Environmental Protection Agency, Region III  
David Wolanski – Delaware Department of Natural Resources and Environmental Control

### Elected Representatives

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David Bushek, Ph.D. – Rutgers University, Haskin Shellfish Laboratory  
Laura Craig, Ph.D. – American Rivers  
William Eldridge, Ph.D. – Stroud Water Research Center  
Jeff Fischer, Ph.D. – U.S. Geological Survey  
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Moses Katkowski – The Nature Conservancy  
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Susan Kilham, Ph.D. – Drexel University; Dept. of Bioscience & Biotechnology  
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The Partnership for the Delaware Estuary, a National Estuary Program, leads science-based and collaborative efforts to improve the tidal Delaware River and Bay, which spans Delaware, New Jersey, and Pennsylvania.

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