

The **DELAWARE INLAND BAYS**

An estuary of national importance
and an **economic generator** for coastal Delaware





MISSION

To promote the wise use and enhancement of the Inland Bays and their watershed. . .

To support and sponsor education activities, restoration efforts, demonstration projects and applied research. . .

To foster partnerships with all stakeholders to restore and protect the resources. . .

To serve as a neutral forum for consideration of Inland Bays issues; where informed decisions can lead to sound public policy regarding the protection and restoration of the Inland Bays watershed.

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Appointee of the President Pro Tem of
the Delaware Senate

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Ms. Loretta Smith
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Science Coordinator

*Front cover photo by Sally Boswell
Front cover inset photo by Dennis Bartow
Page 2 photo by Nick Spalt
Page 3 photos by Dennis Bartow*



Dear Friends of the Inland Bays,

The Inland Bays have supported human economies for as long as people have lived here. This year the University of Delaware estimated the **annual value of natural goods and services produced by the Inland Bays watershed at \$2 billion**. This astonishing figure includes the value of everything from flood control services provided by saltmarshes to clam harvests.

A healthy environment directly supports the profitable industries that define Delaware's **\$7 billion coastal economy**.^{*} Here's just one surprising example—did you know that **Delaware's boating industry is valued at \$344 million**, ranking it seventh in the nation for boating expenditures? That much of this activity is centered around the Bays should be no surprise. After all, 350,000 fishing trips are taken every year on the Bays.

It can feel uncomfortable to place dollar values on something as magnificent as a watershed, something that by its nature transcends evaluation. But, it is crucial that we can appreciate and communicate the value of the Bays intrinsically and economically, because when decisions are being made, economics are usually front and center. Communicating the value of clean water and a healthy coast is essential to the success of our mission.

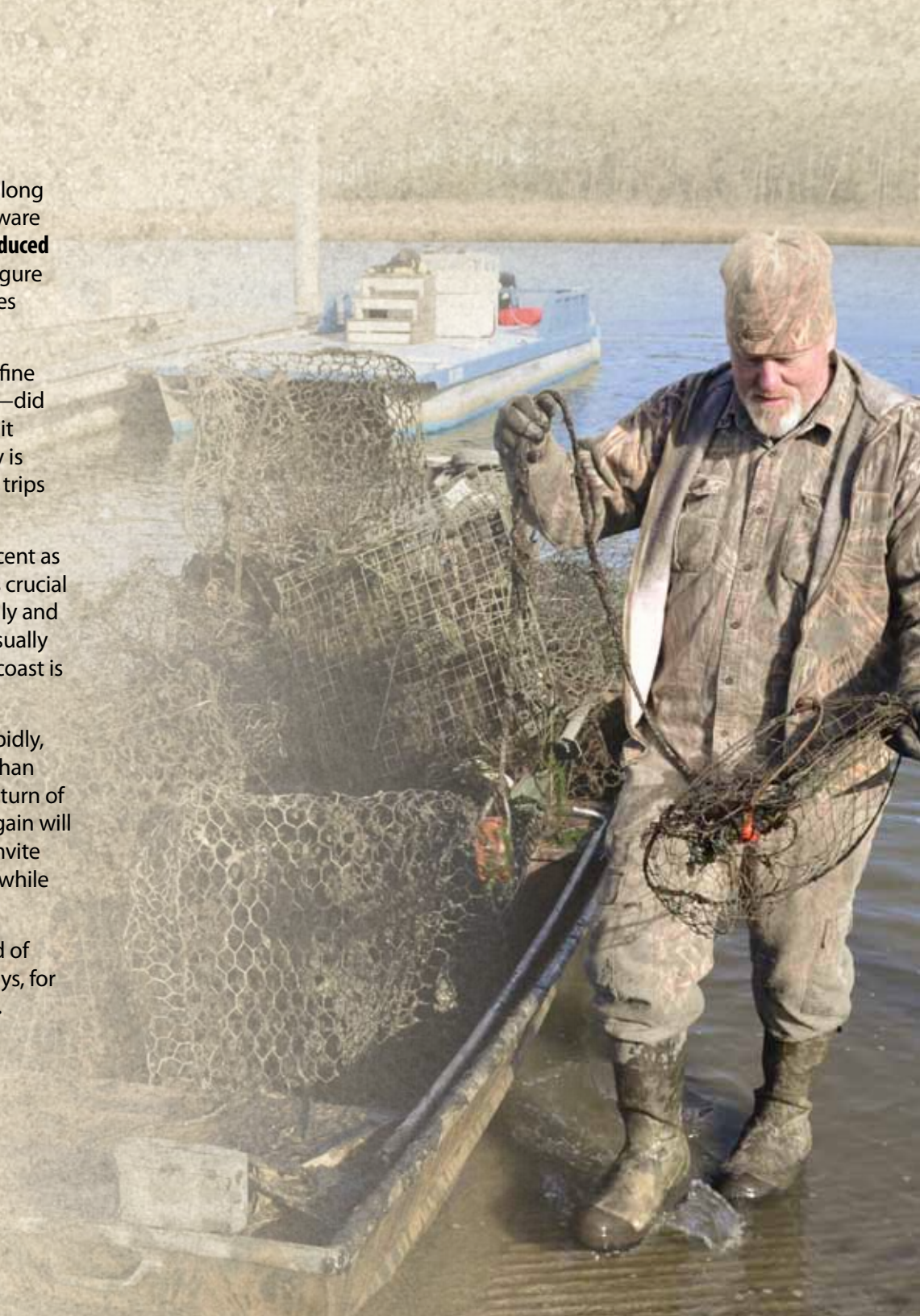
As we restore this estuary, its value increases. Our coast is changing so rapidly, that investment in coastal restoration and protection is more important than ever. This past year, we have devoted much attention to facilitating the return of shellfish farming to Delaware. Allowing this unique industry to flourish again will clean the Bays, increase habitat for aquatic life, and create new jobs. We invite you to explore other ways the work of the Center supports the economy while restoring the Bays in this annual report.

I want to extend my personal thanks, as well as that of our staff and Board of Director's for your support this past year. Together we can restore your Bays, for their immeasurable beauty and their dollars and cents value to Delaware.

A handwritten signature in blue ink, appearing to read 'Chris Bason'.

Chris Bason
Executive Director

^{*} Thanks to the wonderful work of Delaware Sea Grant for this study released in 2012.





The 1000 Rain Gardens for the Inland Bays campaign has created a demand for landscape contractors who can design and install rain gardens for storm water management.

In October, we partnered with Delaware Sea Grant and DNREC to offer a **1-day workshop for professional landscapers and property managers** focusing on rain garden installation in the Cape Region.

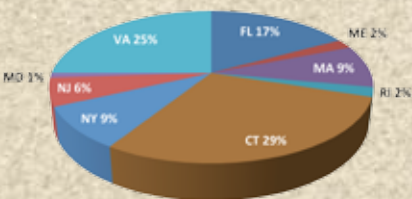
Rain gardens help prevent flooding in communities by reducing stream flow and storm drain overflow, keep pollutants out of rivers and bays, provide habitat for native species, and re-charge groundwater.



Photo by University of Delaware/Sustainable Coastal Communities Initiative

Where the potential for economic development & environmental improvements align...

is where we must act first to restore the Bays.

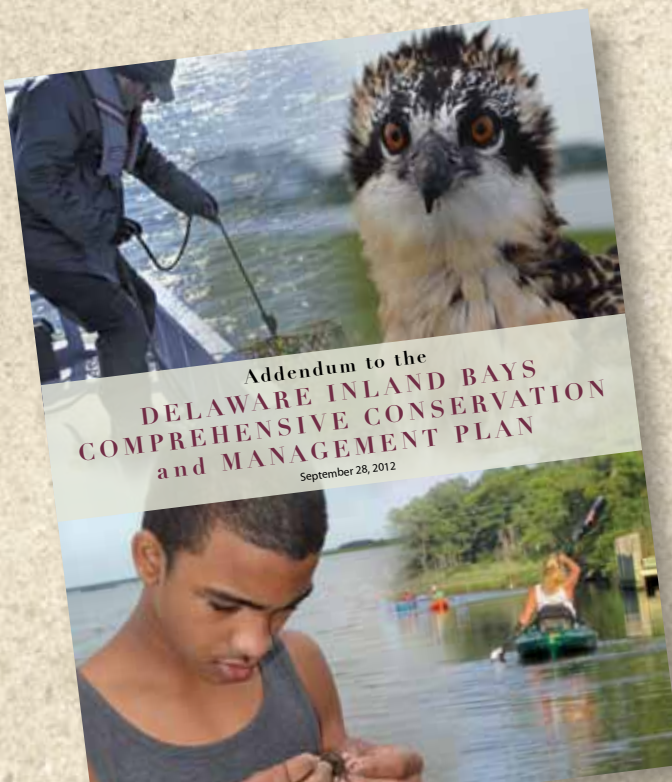


Shellfish Aquaculture is a **\$119 million business** on the East Coast growing at about 10% per year. Delaware is

the only east coast state without commercial shellfish aquaculture.

Last spring, the CIB convened policy experts, resource managers, tourism and economic development interests, aquaculturists and commercial clambers to lay the educational, scientific, and policy groundwork to bring shellfish aquaculture to the Inland Bays.

The money is good, and the ecological benefits are substantial; harvesting one acre of oysters removes 778 lbs. of excess nutrients from the Bays per year, each oyster like a mini-water treatment plant, a no-cost service for decreasing nutrient pollution and improving water quality.



The update of our 1995 Comprehensive Conservation Management Plan was published this fall...our roadmap for the work ahead to continue to restore and protect the Inland Bays and their watershed.

Our collective actions over the past 17 years have produced **quantifiable improvements** that will continue to be realized, but during this time, the resident population has nearly doubled, and the infrastructure and development needed to serve the growing communities has put new pressure on the sensitive lagoons that are the Inland Bays.

The Update includes actions still requiring attention—nutrient management, wastewater and stormwater management, water quality management, living resources and their habitats, coordination of land and water use decisions, and outreach and education. Emerging issues, such as climate change, not addressed in the original plan, were added.

In the aftermath of Super Storm Sandy, we partnered with local businesses to produce the Delaware Coast Aid event.

Over 750 people attended and nearly \$80,000 was raised for hurricane relief in coastal New Jersey. \$6,000 was used to hire local contractors to repair storm damage at the James Farm Ecological Preserve on Indian River Bay and \$15,000 will go to the Barnegat Bay Partnership, our sister Estuary Program, to assist with restoration in the aftermath of Hurricane Sandy.

CIB Volunteers assisted with a shoreline restoration project at Lake Bethany.

In 2012, CIB volunteers worked more than 4,000 hours, at a value of more than \$87,000 —essential ‘matching dollars’ required for federal and state grants each year.

Volunteers are invaluable to our mission as citizen scientists, outreach representatives, and essential partners for restoration and habitat projects and education programs.



Boardwalk and platform repaired by local contractors at James Farm after Sandy. Photo by Dennis Bartow

The Bays mean business... and businesses, volunteers and students are working for the Bays and on the Bays.



Left photo by Carly Collins; above photo by Dennis Bartow

Today's students are tomorrow's leaders in our coastal economy.

This year, the James Farm Ecological Preserve and its marshes and shoreline on Indian River Bay were an outdoor classroom for **more than 700 middle school students** making observations and gathering data on water chemistry and species diversity to evaluate the health of the Bays. This was the 12th year that local students have come to James Farm to study the Bays and watershed.

Thank you for your support!

Grants and Contracts

Delaware Clean Water Advisory Council
Community Water Quality Grants Program
Delaware Department of Natural Resources
and Environmental Control, Division of Fish and
Wildlife
Delaware Department of Natural Resources and
Environmental Control, Division of Parks and
Recreation
Delaware Department of Natural Resources and
Environmental Control, Division of Watershed
Stewardship
Ducks Unlimited
Natural Resources Conservation Service
State of Delaware, Division of Motor Vehicles
Town of Bethany
Town of South Bethany
U.S. Environmental Protection Agency
University of Delaware Sea Grant College Program
Wesley College, Environmental Studies Program

Event Sponsors

All Saints Parish Thrift Store
Artesian Water Company
Atlantic Refrigeration and Air Conditioning
Aquatech Water Specialties
Banks Wines and Spirits
Clean Delaware
Delaware Department of Natural Resources and
Environmental Control
Delmarva Power
The Greene Turtle Restaurants
Gary and Barbara Jayne
Jayne's Reliable
NRG Indian River Power Plant
Perdue Farms Inc.
Red Bull America
Sandy Spence and Richard Faull
Tidewater Utilities
TR Roofing
The Starboard

Businesses for the Bays Members

Alesi Construction & Renovation
All Saints Parish Thrift Store
AMI
Aquatech Water Specialties
Artesian Water Company

Atlantic Refrigeration and Air Conditioning
Banks Wines and Spirits
The Bayville Package Store
Carl M. Freeman Companies
Charitable Games of Delaware
Clean Delaware
The Cottage Cafe
Delaware Surf Fishing
Delaware Department of Natural Resources
and Environmental Control
DelMarVa Board Sport Adventures
Delmarva Power
Drace Insurance & Investment Services
European Coach Werkes
Fisher's Popcorn—Bethany, Fenwick and
Rehoboth Beach
Good Earth Market
The Greene Turtle Ocean City North, Lewes
and Salisbury
Hyett Refrigeration
Jakes Seafood House Restaurant
Jakes Seafood II
Joanne Shipley Graphic Design
John F. Kleinstuber & Associates
Just Hooked
Meris Properties, LLC
NRG Indian River Power Plant
Peninsula Dental
Perdue Farms
Samplers Revisited
The Starboard

\$1000 and up

Chris Bason and Chantal Bouchard
Charitable Games of Delaware
Dewey Beach Lions Club
Barbara and George Junkin
Robin Spangenberg
In Memory of Donald Beatty
In Memory of Dr. Kent Price

\$500 to \$999

Becky Brewer
Cynthia Flynn and Deirdre Boyle
Frances Hart
Edward and Betsy Henifin
Rehoboth Bay Foundation
Lillian and Montford Smith Family Fund

\$250-\$499

Barbara and Clem Bason
David Dotzert
Nancy Sager
Edmund Seyfried

\$150-\$249
Thomas Adams
Mark and Joanne Anderson
Thomas and Catherine Greco
Glenn and Madolyn Dallas
C. Edward Duvall
Richard E. Fisher
Dick and Sharon Fox
Diane and Bill Hanson
William Janson and Lori Shmukler
Pete and Pat Keenan
Mary Perkins and Kenneth Hooker
Larry and Sally Persa

\$75-\$149

Richard Appleby, D.O.
Mary Appollina and Pamela Petill
Dennis and Anne Bartow
Bob and Jo Batky
Joanne and Jack Cabry
David and Melinda Campbell
Ed and Adele Chalabala
Dan Costello
Diana Cowell
Mr. and Mrs. David M. Davidson
Daniel Deboissiere
Ruth and Nelson Denlinger
Pat and Terry Drizd
Muns and Linda Farestad
Linda Fern
Robert and Trish Gable
Peter Gordon
Donna and Harold Gray
Mary Harahan
Kay and Robert Hastings
Michael and Cynthia Headman
Robert and Cynthia Hibbert
Terry and Martha Higgins
Dorothy and Patricia Jones
Diane and Michael Kane
James C. Mankin
Mr. and Mrs. Joseph S. McDaniel III

Frank and Mary McNeice
In Memory of John Abbott
Midway Lions Club
Roy and Diane Miller
Jean Morrison and Greg Knott
Eric Lienhard and Heidi Splane
Lord Baltimore Lions Club
Lord Baltimore Women's Club
Peggy and Chris LoVergine
Mari Noster
Anthony Pegg
Alan Perantoni and Tracie Bunton
James and Janice Perdue
Elizabeth Pertzoff
Ann Piron
Michael Polovina
Cheryl Rehrig
Joan and James Rich
Ron Riegert
John Rymer
Paula Schneider
Jan and Greg Thompson
Joan Wallace
Bob and Mary Ellen Williams
Ed Whereat and
Stephanie Mengel-Whereat
Bruce White

Up to \$75

Jen Adkins
Colin and Elizabeth Anolick
Carl Balis
Kami Banks
Ali Barbato
Bayview Park Association
John Bennett
Mary Lou Bishop
Mr. and Mrs. Barry Boose
Richard and Kathleen Brady
Sally Boswell
Donna and John Buono
George and Lila Butz
Angelo Caputo
Beverly Castner
E.J. and Autumn Chalabala
Glenn Christman
Chris Clark
Michael Craig
John Cristea

William Cooper
Beverly Corelle
Bob Cubbison
Delaware Fisherman's Alliance
Letitia Diswood
Richard Eakle and Mary Ann Hess
Bert Edwards
Joe Farrell
Bob and Anita Fernekes
Ricki Ferrence
Cheryl Fisher
T and Gene Fullerton
Bob Gallagher
F. G. Gause
John and Susan Gelb
Jane and John Gilsenan
Susan and Charles Goorevich
Barry Grim
James and Susanne Gross
Barbara and Richard Haas
Jacob and Rebecca Hanlon
Don and Carol Hasso
Jay and Mary Headman
Ivy and Larry Hecker
James and Edie Herron
Dave Hillegas
Denise Hoeksema
In Honor of Ben Bogdan
Noah Brooks Johnson
Dave Jones
Jenn Jones
Richard Kauffman
James and Patricia Kennedy
Ron and Peg Kernehan
Lois Kinckiner
Moonyeen Klopfenstein
Wil and Rose Laird
William Swain Lee
Robert and Joanne Levy
Lorraine Logan
Barbie Loper
Marcia Maldeis and Stan Mills
Anna Marsch
John McDermott
Jack N. McDonald
Chris and Lorraine Malinowski
In Memory of Rose Turner
Peggy Milloy
Clifton and Mary Mitchell

Grace and Rick Nelson
Albert Osterholm
Bruce and Myra Patner
Alma Quigley
Janet Quigley
Roberta Ray
Mike and Jennifer Read
In Honor of Erik and Elaine Rifkin
Dave and Shirley Ritondo
Mimi Roth
Thomas A. Roth
Mr. and Mrs. Thomas Ryan
John and Christine Sadowski
Ellen Saether
Chuck Schonder
Robert Schumm
Beth Shank
Bob Smiles
Jean Smith and Lucille Candelora
Loretta Smith
Senator Liane Sorenson
Claire Snyder-Hall
Terry Sutter
Michael Tasevoli
Michael and Donna Thomas
William W. Thompson
Pat Tiernan
Carole Toomey
Shuli Tor
Dell and Larry Tush
David Vineberg
Verity L. Watson
Bart Wilson and Kerry Kopitsky
Lisa Wool
Charles Zangerle



Photo by Dennis Bartow

Statements of Assets, Liabilities and Fund Balances—Accrual Basis

September 30, 2012 and September 30, 2011

ASSETS

Current Assets	2012	2011
Cash in banks	\$ 360,075	\$ 341,379
Grants receivable—State of Delaware	209,200	190,000
Prepaid Expenses	18,139	14,369
Unbilled receivables	3,037	1,360
Total Current Assets	590,451	547,108

Property, Plant and Equipment (at cost)

Land	125,000	125,000
Building	872,508	872,508
Furniture and equipment	469,517	469,517
	1,467,025	1,467,025
Less accumulated depreciation	504,184	451,472
Total Property and Equipment	962,841	1,015,553

Other Assets

Delaware Community Foundation Endowment Fund	87,567	68,267
Total Assets	1,640,859	1,630,928

LIABILITIES AND FUND BALANCES

Current Liabilities

Accounts Payable	\$ 10,864	\$ 16,563
Payroll taxes	1,753	3,259
Accrued salaries & benefits	33,300	43,281
Total Current Liabilities	45,917	63,103

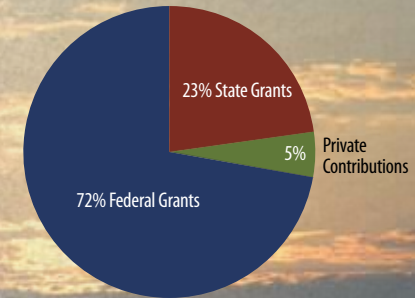
Fund Balance

Unrestricted		
Board designated*	87,567	68,267
Net assets invested in property and equipment	819,796	872,508
Undesignated	562,579	502,050
Total unrestricted	1,469,942	1,442,825
Permanently restricted**	125,000	125,000
Total Fund Balance	1,594,942	1,567,825
Total Liabilities and Fund Balance	\$1,640,859	\$1,630,928

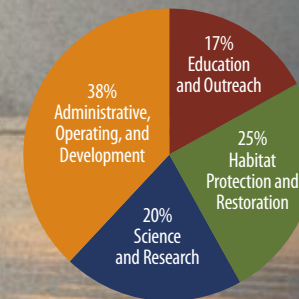
* Endowment Fund ** Protected Land

2012 Operating Budget: \$834,610

Revenues



Expenses





Delaware Center for the Inland Bays

39375 Inlet Road
Rehoboth Beach, DE 19971

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Visit us at inlandbays.org

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Photo by Sally Boswell*