

# RI Sea Grant Program

## Site Review PIER Information

(Information gathered from the Program's Annual Report Submissions in PIER)

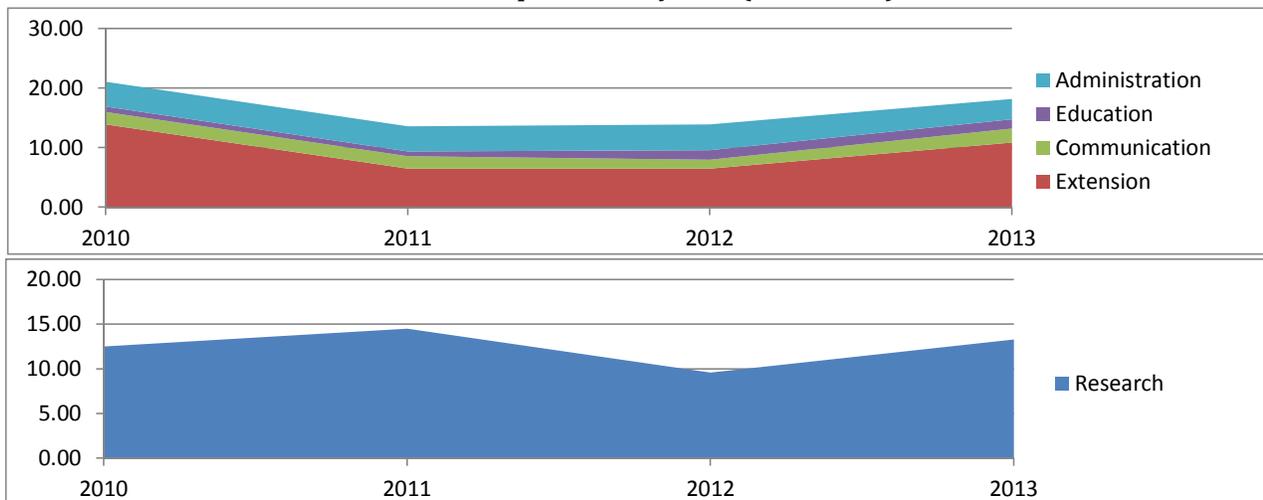
### I. Program Management and Organization (organization, program team approach, support).

#### A. Sea Grant Staffing (2010-2013)

	Range of Annual Number of Individuals	Average Annual Full-Time Equivalents*
<b>Administration</b>	4-6	4.0
<b>Extension</b>	20-38	9.4
<b>Communication</b>	2-6	2.0
<b>Education</b>	3-8	1.2
<b>Research</b>	27-73	12.5

\*One FTE is equivalent to 12 months of full time effort, and can be funded with Sea Grant Federal or non-Federal dollars.

**Full Time Equivalents by Year (2010-2013)**

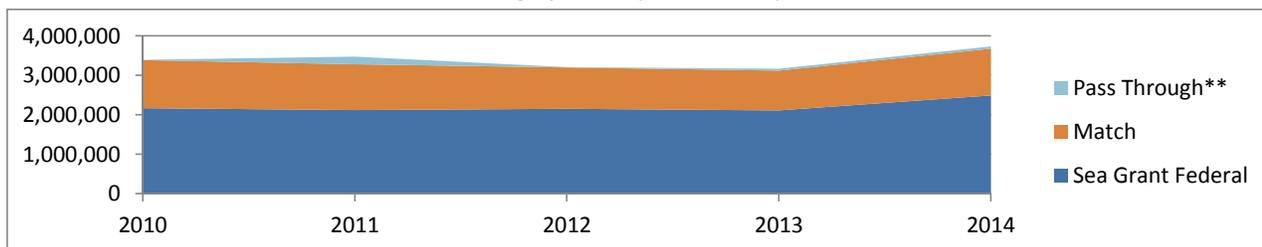


#### B. Total Funding by Source (2010-2014)

	Sea Grant Federal	Match	Pass Through**	Total Funding
<b>2010</b>	2,170,712	1,216,661	9,800	3,397,173
<b>2011</b>	2,119,673	1,159,765	196,417	3,475,855
<b>2012</b>	2,152,222	1,046,499	15,300	3,214,021
<b>2013</b>	2,115,785	1,005,392	52,500	3,173,677
<b>2014</b>	2,489,068	1,188,064	56,500	3,733,632

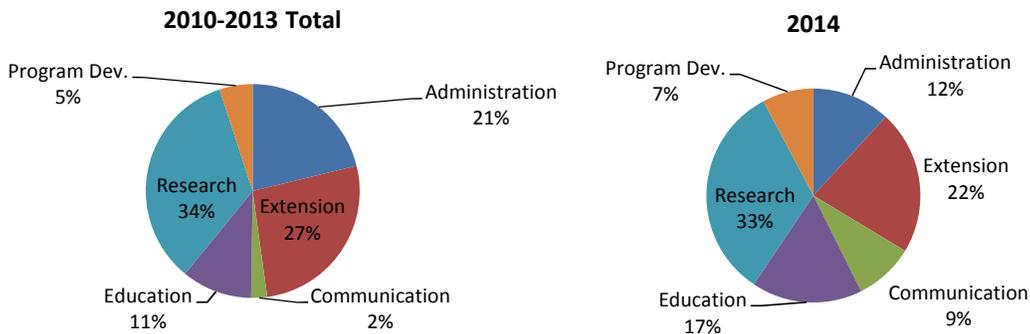
\*\* Pass Through funding refers to federal funds not appropriated to Sea Grant, but administered through the National Sea Grant Office

**Funding by Year (2010-2013)**

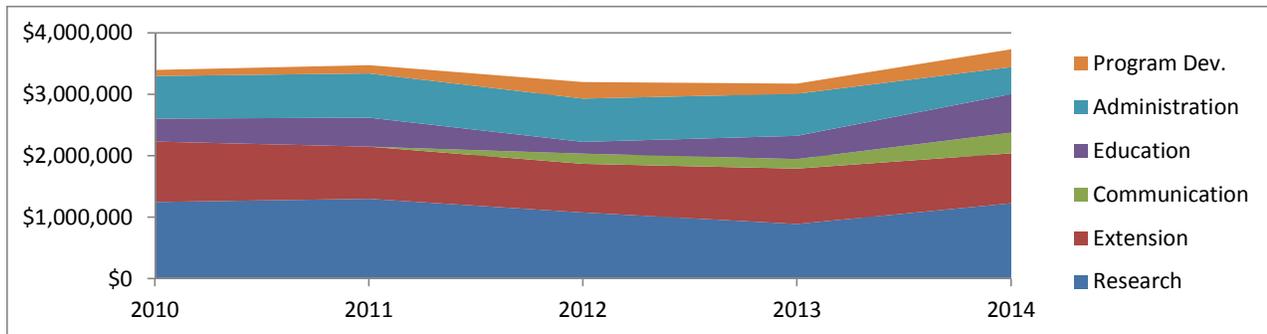


**C. Distribution of Funding by Functional Area (Federal + Match + Pass Through)**

	2010	2011	2012	2013	2014
Administration	691,194	722,193	707,453	686,591	441,078
Extension	984,019	849,372	793,569	899,322	814,465
Communication	0	0	162,648	156,386	336,048
Education	374,315	470,763	190,883	378,163	626,714
Research	1,248,337	1,300,107	1,076,856	890,264	1,225,420
Program Dev.	99,308	133,420	266,998	162,951	289,907



**Trend (2010-2014)**



**D. Total Number of Core Funded Proposals (Not NSIs)**

	2011	2013
Pre-Proposals Submitted	19	21
Full Proposals Submitted	16	13
Proposals Funded	8	7
Institutions with Proposals Funded	2	3
Proposals Funded from Home Institution	7	4

## E. Core-Funded Research Projects

### 2014

A model for understanding public support for aquaculture and estimating social carrying capacity in Rhode

An inventory map and valuation of social uses of Rhode Island coastal waters: a mixed methods approach.

Could diseases in blue mussels affect commercial culture in the Northeast region? (Roxanna Smolowitz)

Developing information to manage the Rhode Island whelk fishery. (Thomas Angell)

N cycling processes across an oyster aquaculture chronosequence. (Robinson Fulweiler)

Quahog larval dispersion and settlement in Narragansett Bay. (Scott Rutherford)

Sustainable oyster aquaculture: balancing ecosystem services and impacts in Rhode Island coastal lagoons.

### 2012

Assessing nitrogen sources supporting phytoplankton along the eutrophication gradient in Narragansett

Evaluating the benefits of fisheries certification: Implications for Rhode Island fisheries. (Jeremy Collie)

Improving shellfish upweller nursery performance by manipulating flow through the silos. (Dale Leavitt)

Modeling connections between circulation, nitrogen transport and water quality in Narragansett Bay:

Implications for management strategies. (Christopher Kincaid)

Nutrient thresholds, gradients and ecofunctional zones in Narragansett Bay: Effects of nitrogen reduction

Response of nitrogen cycling consortia to changes in nutrients and dissolved oxygen in Narragansett Bay.

Soybean meal in summer flounder feeds: A sustainable alternative protein source and potential

Program Development (Alan Desbonnet)

### 2010

A multi-proxy reconstruction of anthropogenic induced productivity and spatial coupling in Narragansett

City to Sound: Benthic-pelagic coupling in the Providence River Estuary, Narragansett Bay, Rhode Island

Concluding the BayMap habitat mapping project and assessing the impact of nutrient reductions on habitat quality in upper Narragansett Bay and Greenwich Bay. (Sheldon Pratt)

Evaluating climate change impacts on nitrogen cycling along a gradient of anthropogenic impact - from Narragansett Bay to Rhode Island Sound and Block Island Sound (Robinson Fulweiler)

Impacts of anaerobic ammonium oxidation (anammox) on benthic nitrogen cycling in Rhode Island coastal

Linking natural, behavioral and communication sciences to enhance coastal community well being in the

Observations of Rhode Island Sound circulation and hydrography: interaction with Massachusetts shelf

The role of environmental forcing and local geometry on the flushing and water quality of urban marine

The role of interspecies interactions in mitigating diseases of marine animals (MARTA GOMEZ-CHIARRI)

<b>F. NSI, Pass-through, and enhancement funds</b>
<b>2014</b>
2014 Knauss Fellow (Brandon Elsner) (Dennis Nixon) (SG-FEL-KNAUSS)
2014 Knauss Fellow (Kerry Whittaker) (Dennis Nixon) (NMFS)
2014 Knauss Fellow (Leigh Habegger) (Dennis Nixon) (SG-FEL-KNAUSS)
Extension CAP - Climate Adaptation (Jennifer McCann) (SG-Climate)
Minibus Special Projects (Dennis Nixon) (SG-Social Science )
Risk of Food-Borne Diseases in Farmed Oysters: Economic Analysis of Consumer Response and Producers' Strategy (Hirotusug Uchida) (SG-AQTECH)
Sustainable oyster aquaculture: balancing ecosystem services and impacts in Rhode Island coastal lagoons. (Mark Stolt) (SG-Social Science )
<b>2013</b>
Knauss Fellow Gabriel Dunham (Dennis Nixon) (SG-FEL-KNAUSS)
Knauss Fellow Nicholas Obolensky (Dennis Nixon) (OAR)
Knauss Fellow Sarah Parker (Dennis Nixon) (SG-FEL-KNAUSS)
Improving shellfish upweller nursery performance by manipulating flow through the silos. (Dale Leavitt) (SG-AQTECH)
Soybean meal in summer flounder feeds: A sustainable alternative protein source and potential immunostimulant. (Marta GomezOChiari) (SG-AQTECH)
<b>2012</b>
Enhancing Sea Grant's ability to help coastal communities adapt to climate change. (Pamela Rubinoff) (SG-Climate)
NOAA Supplemental Ship Time (Robinson Fulweiler) (OAR-SHIPTIME)
Rhode Island Sea Grant 'Minibus' Project Plan (Alan Desbonnet) (NOS)
Rhode Island Sea Grant 'Minibus' Project Plan (Alan Desbonnet) (SG-Social Science )
<b>2011</b>
Applying marine spatial planning as a site to offshore renewable energy. (Jennifer McCann) (SG-PD)
NOAA Ship time Funds (Robinson Fulweiler) (OAR-SHIPTIME)
Knauss Marine Policy Fellow - Carrie Gill (Unreported PI) (Department of Energy )
Knauss Marine Policy Fellow - Christina Hoefsmit (Unreported PI) (COAST GUARD)
Knauss Marine Policy Fellow - Kathleen Haber (Unreported PI) (NOS)
Knauss Marine Policy Fellow - Nicole Rohr (Unreported PI) (SG-FEL-KNAUSS)
National Marine Fisheries Service/National Sea Grant Resource Economics Fellow - Andrew Scheld (Unreported PI) (NMFS-SG-Fellowship)
<b>2010</b>
Enhancing Sea Grant's ability to help coastal communities adapt to climate change. (Pamela Rubinoff) (SG-Climate)
Knauss Fellow - LONG (Unreported PI) (SG-FEL-KNAUSS)
Knauss Fellow KEMP (Unreported PI) (SG-FEL-KNAUSS)
NOAA Ship Time Request (Unreported PI) (OAR-SHIPTIME)
Sector Allocation for Fisheries Management (Unreported PI) (SG-FISHERY-EXT)

II. **Stakeholder Engagement** (relevance, advisory services, and education and training).

A. **Total Number of SG-Sponsored Meetings, Workshops, Conferences, Presentations and Attendees (2010-2013)**

Events	Attendees
405	23,379

B. **Total Number of Volunteer Hours (2010-2013)**

5,423
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C. **Students Supported (2010-2013)**

	Students		Degrees Awarded
	New	Continuing	
Undergraduate	53	14	23
MS/MA	21	14	11
PhD	15	30	8
Professional Degree	31	24	17

D. **K-12 Students Reached (2010-2013)**

225
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### III. Collaborative Network Activities (relationships and coordination).

#### A. Program Partners by Scale

##### **FEDERAL or NATIONAL**

Coastal Services Center (US DOC, NOAA, NOS, CSC)  
Marine Ecosystems & Management (MEAM)  
Narragansett Bay Estuary Program (NBEP)  
National Estuarine Research Reserve System (US DOC, NOAA, NOS, NERRS)

National Institute of Environmental Health Sciences, National Institutes of Health, US Department of Health and Human Services (US HHS)  
National Marine Fisheries Service (US DOC, NOAA, NMFS)  
National Marine Sanctuary Foundation  
National Ocean Partnership Program (NOPP)  
National Onsite Wastewater Recycling Assoc.  
National Sea Grant Depository  
Natural Resources Conservation Service (USDA, NRCS)  
NOAA Climate and Societal Interactions Program (US DOC, NOAA)  
Northeast Fisheries Science Center (US DOC, NOAA, NMFS, NEFSC)  
Office of Protected Resources (US DOC, NOAA, NMFS)  
Smart Growth Program (US EPA)  
U.S. Representative Chellie Pingree - Maine  
US Bureau of Ocean Energy Management (US DOI, BOEM)  
US Department of Agriculture (USDA)  
US Department of Energy (US DOE)  
US Environmental Protection Agency (US EPA)  
U.S. Senator Roger Wicker - Mississippi  
American Association of Flood Plain Managers

##### **INTERNATIONAL**

Cranfield University  
Deep Sea Fish (UK)  
Institut Francais l'Exploration de la Mer  
Marine Management Organization (UK)  
Marine Stewardship Council  
National Environmental Institute of Denmark  
NatureServe  
The Nature Conservancy (TNC)

##### **LOCAL**

11th Hour Racing  
AI Land Trust  
Alliance For A Livable Newport  
American Mussel Harvester  
Applied Science Associates  
Bay Realty  
Block Island High School  
Block Island Nursery & Landscape Association  
Block Island Residents Association  
Blount Fine Foods  
Bristol High School  
City of Fall River Veolia Water

City of Newport, RI  
EcoMetric, Inc.  
Fishermen's Energy  
Fishing Cove Elementary School  
George's Restaurant  
Hemenways Restaurant  
Jamestown Lawn School  
Matunuck Oyster Farm  
Narragansett Bay Commission  
New England Aquarium  
Newport County Chamber of Commerce  
Newport Department of Civic Investment  
Newport Maritime Alliance  
Newport Waterfront Commission  
Nick's on Broadway  
North Kingstown Chamber of Commerce  
North Kingstown Land Conservancy  
Pettaquamscutt Historical Society  
Rosemount Inn  
Sakonnet Mussel Farms  
Salt Pond's Coalition  
Saltwater Farms  
Save Bristol Harbor  
South Kingstown High School  
South Kingstown Land Trust  
The Local Catch  
Town of Barrington  
Town of Bristol  
Town of Charlestown  
Town of Jamestown  
Town of Little Compton  
Town of Middleton, RI  
Town of Middletown  
Town of Narragansett  
Town of Newport, RI  
Town of North Kingstown, RI  
Town of Portsmouth, RI  
Town of South Kingstown  
Town of Tiverton  
Town of Warren  
Town of Westerly  
Warren Harbor Commission  
Washington City Regional Planning Council  
Washington Trust Co.  
Westerly Chamber of Commerce  
Westerly Land Trust

**REGIONAL**

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Aqua Farms LLC  
Aquidneck Island Planning Commission

Clean Bays  
East Coast Shellfish Growers Association  
Environmental Business Council of New England  
GeoMatrix LLC  
Gulf of Maine Council on the Marine Environment  
New England Fisheries Management Council (NEFMC)  
New England Lobster Shell Disease Initiative  
Northeast Regional Ocean Council (NROC)  
Northeast Regional Planning Body  
Northeast Sea Grant Consortium  
Slade Gorton and Co., Inc (SGC)

**STATE**

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Boston University (BU)  
Bowdoin College  
Bristol Community College  
Brown University (BROWN)  
Clark University  
Connecticut Sea Grant  
Cornell University  
Farm Fresh Rhode Island  
Harbor School of New York  
Independent Insurance Agents of Rhode Island  
Island Institute  
Johnson & Wales University  
Lake Champlain Sea Grant  
Maine Sea Grant  
Marine Biological Laboratory (MBL, WHOI)  
Massachusetts Institute of Technology Sea Grant (MIT)  
Massachusetts Office of Coastal Zone Management (CZM)  
New Hampshire Sea Grant  
New York Sea Grant  
North Carolina State University (NCSU)  
Ocean State Aquaculture Association  
Oregon State University (OSU)  
Prince Charitable Trust  
Puerto Rico Sea Grant  
Purdue University  
Quonsett Development Corp.  
Rhode Island Cooperative Extension  
Rhode Island Division of Planning  
Rhode Island Economic Development Corporation  
Rhode Island Economic Policy Council  
Rhode Island Emergency Management Agency  
Rhode Island MaRhode Island Trades Association  
Rhode Island Saltwater Anglers  
Rhode Island Shellfishermen's Association  
Rhode Island Builders Association  
Rhode Island Climate Commission  
Rhode Island Coastal Resources Management Council (RI CRMC)

Rhode Island Commercial Fisheries Research Foundation (RI)  
Rhode Island Department of Environmental Management (RI DEM)  
Rhode Island Department of Health (RI DOH)  
Rhode Island Division of Planning  
Rhode Island Fishermen's Advisory Board  
Rhode Island Food Council  
Rhode Island Foundation (RI)  
Rhode Island Lobstermen's Association  
Rhode Island Nursery & Landscaping Association  
Rhode Island Office of Energy Resources  
Rhode Island Realtors Association  
Rhode Island Saltwater Anglers  
Rhode Island Sea Grant  
Rhode Island Seafood Marketing Collaborative  
Rhode Island Whelk Fishermen's Association  
Roger Williams School of Law  
Roger Williams University (RWU)  
Roger Williams University, Marine Affairs Institute (RWU)  
Save the Bay  
Tufts University  
Univeristy of Rhode Island, Coastal Fellows Program  
University of California, Davis (UCD)  
University of Connecticut (UCONN)  
University of Connecticut, Department of Marine Sciences (UCONN)  
University of Delaware (UDEL)  
University of Florida (UF)  
University of Idaho  
University of Maine, Orono (UMO)  
University of Maryland (UMD)  
University of Massachusetts at Boston (UMass)  
University of Rhode Island (URI)  
University of Rhode Island Business School  
University of Rhode Island Department of Natural Resource Science  
University of Rhode Island, Cancer Prevention Center (URI)  
University of Rhode Island, Coastal Fellows Program (URI)  
University of Rhode Island, Coastal Institute (URI)  
University of Rhode Island, Coastal Resources Center (URI)  
University of Rhode Island, Cooperative Extension Department of Fisheries, Animal and Veterinary Sciences (URI FAVS)  
University of Rhode Island, Cooperative Extension Food Science and Nutrition (URI)  
University of Rhode Island, Cooperative Extension Water Quality Program (URI)  
University of Rhode Island, Department of Art and Art History (URI)  
University of Rhode Island, Dept. of Communications Science (URI)  
University of Rhode Island, Dept. of Environmental & Resource Economics (URI)  
University of Rhode Island, Environmental Data Center (URI)  
University of Rhode Island, Graduate School of Oceanography (URI)  
University of Rhode Island, Harrington School  
University of Rhode Island, Landscape Architecture Program  
University of Rhode Island, Marine Affairs Department (URI)  
University of Rhode Island, Metcalf Institute

University of Rhode Island, Office of Marine Programs

University of Rhode Island, School of Pharmacy (URI)

van Bueren Trusts

Washington County Regional Planning Council

Washington Sea Grant

Woods Hole Oceanographic Institution (WHOI)

Woods Hole Oceanographic Institution Sea Grant (WHOI)

**Unknown**

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Conservation Law Foundation

B. Source and Amount of Leveraged Funds (2010-2013)	
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Amounts	Year			
Source	2010	2011	2012	2013
<b>Managed</b>	<b>\$4,656,852</b>	<b>\$1,359,121</b>	<b>\$781,773</b>	<b>\$814,988</b>
Boston University (BU)	\$83,000	\$3,000		
Brown University (BROWN)	\$36,000	\$33,000		
Coastal States Organization (CSO)			\$500	
Conservation Law Foundation			\$1,000	
Elsevier		\$46,500		
Gordon and Betty Moore Foundation				\$695,238
Hanson & Curran LLP			\$1,000	
Island Institute				\$3,000
Maine Sea Grant			\$3,000	
National Estuarine Research Reserve System (US DOC, NOAA, NOS, NERRS)			\$3,500	
National Marine Fisheries Service (US DOC, NOAA, NMFS)	\$156,915	\$369,273		
National Marine Sanctuary Foundation		\$3,000	\$2,500	
NOAA Climate and Societal Interactions Program (US DOC, NOAA)		\$50,000		
Northeast Regional Ocean Council (NROC)			\$45,124	
Prince Charitable Trust		\$55,000		
Region 1 (US EPA)		\$37,000		
Rhode Island Division of Planning			\$100,000	
Rhode Island Coastal Resources Management Council (RI CRMC)	\$154,000	\$144,420		\$20,000
Rhode Island Commercial Fisheries Research Foundation (RI)		\$28,000	\$3,000	\$8,250
Rhode Island Department of Environmental Management (RI DEM)	\$100,000			
Rhode Island Department of Health (RI DOH)	\$3,000			
Rhode Island Division of Planning	\$20,000			
Rhode Island Foundation (RI)		\$45,000		
Rhode Island IDeA Network of Biomedical Research Excellence				\$4,500
Rhode Island Office of Energy Resources			\$125,000	
Rhode Island Research Alliance Science & Technology Commission			\$326,820	
Roger Williams School of Law			\$10,880	
Roger Williams University (RWU)	\$103,535			
The Nature Conservancy (TNC)	\$15,000		\$3,000	
United Soybean Board		\$15,957		
University of Rhode Island (URI)	\$1,462,994	\$6,000		
University of Rhode Island Renewable Energy Siting Partnership			\$6,000	
University of Rhode Island, Coastal Institute (URI)	\$12,000	\$20,000	\$3,056	
University of Rhode Island, Coastal Resources Center (URI)		\$12,000	\$3,000	

University of Rhode Island, Cooperative Extension Water Quality Program (URI)			\$143,393	
University of Rhode Island, Graduate School of			\$1,000	
US Department of Agriculture (USDA)		\$45,227		
US Department of Energy (US DOE)		\$245,744		
US Environmental Protection Agency (US EPA)				\$3,000
van Bueren Trusts				\$75,000
Unreported Source	\$2,510,408	\$200,000		\$6,000
<b>Influenced</b>	<b>\$50,000</b>	<b>\$4,468,066</b>		
Coastal Services Center (US DOC, NOAA, NOS, CSC)		\$1,009,780		
Connecticut Department of Environmental Protection—Office of Long Island Sound Programs (CT DEP)		\$31,000		
EcoMetric, Inc.		\$20,000		
Johnson & Wales University		\$10,000		
National Science Foundation (NSF)		\$446,472		
Rhode Island Commercial Fisheries Research Foundation (RI)		\$134,000		
Rhode Island Department of Environmental Management (RI DEM)	\$50,000			
University of Rhode Island, Cancer Prevention Center (URI)		\$5,000		
University of Rhode Island, Marine Affairs Department (URI)		\$6,000		
US Bureau of Ocean Energy Management (US DOI, BOEM)		\$2,000,000		
US Department of Energy (US DOE)		\$805,814		