

**DRAFT**

**National Sea Grant Office's  
Annual Program Update  
February 5-13, 2014**

## Table of Contents

(Click on program name to jump to page)

ALASKA Sea Grant at a glance .....	4
CALIFORNIA Sea Grant at a glance .....	9
CONNECTICUT Sea Grant at a glance .....	13
DELAWARE Sea Grant at a glance.....	18
FLORIDA Sea Grant at a glance.....	22
GEORGIA Sea Grant at a glance.....	26
HAWAII Sea Grant at a glance .....	30
ILLINOIS-INDIANA Sea Grant at a glance .....	35
LOUISIANA Sea Grant at a glance .....	39
MAINE Sea Grant at a glance.....	44
MARYLAND Sea Grant at a glance .....	49
MIT Sea Grant at a glance.....	53
MICHIGAN Sea Grant at a glance .....	57
MINNESOTA Sea Grant at a glance.....	61
MISSISSIPPI-ALABAMA Sea Grant at a glance .....	65
NEW HAMPSHIRE Sea Grant at a glance .....	69
NEW JERSEY Sea Grant at a glance.....	73
NEW YORK Sea Grant at a glance .....	78
NORTH CAROLINA Sea Grant at a glance .....	83
OHIO Sea Grant at a glance .....	87
OREGON Sea Grant at a glance .....	91
PENNSYLVANIA Sea Grant at a glance.....	95
PUERTO RICO Sea Grant at a glance.....	100
RHODE ISLAND Sea Grant at a glance .....	105
SOUTH CAROLINA Sea Grant at a glance.....	109
USC Sea Grant at a glance .....	113
TEXAS Sea Grant at a glance.....	117
LAKE CHAMPLAIN Sea Grant at a glance .....	122

SEA GRANT AT A GLANCE – February 2014

VIRGINIA Sea Grant at a glance .....	126
WASHINGTON Sea Grant at a glance .....	130
WISCONSIN Sea Grant at a glance.....	134
WHOI Sea Grant at a glance .....	138
LAW CENTER Sea Grant at a glance.....	143

## ALASKA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	DAVID CHRISTIE; PAULA CULLENBERG
Extension	DAVID CHRISTIE; GAY SHEFFIELD; PAULA CULLENBERG; RAYMOND RALONDE; TERRY JOHNSON
Communication	K. M. BYERS
Education	DAVID CHRISTIE

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Paula Cullenberg
Extension	Paula Cullenberg; Ray RaLonde; Torie Baker
Communication	K. M. BYERS
Education	Paula Cullenberg

AK is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,501,289**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,223,947**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	12	1.4	4.76
Communication	7	1.65	1.78
Extension	19	1.59	9.4
Education	3	0.11	0.87
Research	23	5.18	3.22

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	30%	27%
Research	13%	14%
Extension	29%	45%
Communication	18%	0%
Education	11%	14%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	13%	4%
SSSS / SFA	0%	3%
SCD / RCE	0%	2%
HRCC	10%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	14%
other	77%	77%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/101-09: Habitat Degradation Due to Melting Glaciers (Brenda Konar)

R/111-03: Sustainability of Coastal Communities and Sea Otters: Harvest and Future Management of Sea Otters (Ginny Eckert)

R/111-04: Recovering Humpback Whales and the Future of Alaska’s Hatcheries, Fisheries and Coastal Communities (Jan Straley)

R/31-23: Long-Term Records of Abundance and Effects of Large Scale Climate Change on Alaska Peninsula Sockeye Salmon (Nicole Misarti)

R/31-24: Applying Regime Shift Indicators to Understand the Potential Impacts of a Multi-Year Cold Event on the Bering Sea Ecosystem (Michael Litzow)

R/32-05: Economic Viability of a Directed Skate Fishery in the Gulf of Alaska (Andrew Seitz)

R/32-06: Graying of the Fleet in Alaska's Fisheries: Defining the Problem and Assessing Alternatives (Courtney Carothers)

R/33-03: Industry-Based Documentation of the Effectiveness of F3 ‘Whale Pingers’ at Reducing Humpback Whale Interactions with Alaska Salmon Fisheries (Kate Wynne)

### 6. Program metrics (2012)

Number of peer reviewed publications: **2**

SEA GRANT AT A GLANCE – February 2014

Leveraged funds (managed): \$ **1,160,526**

Leveraged funds (influenced): \$

Volunteer Hours:

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	1		
Masters	2	3	7
PhD	2	2	3
Other professional degree			

Total K-12 students reached through educators: **310**

Curricula developed:

Number of Cumulative Clean Marina Program – Certifications:

Number of HACCP -- Number of people with new certifications: **85**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	2
Businesses Retained	21
Economic Benefit	
Jobs Created	10
Jobs Retained	300
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	1
Number of hazard resiliency trainings	17
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	13
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	95
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	212
Patents	1
Tool Used by Stakeholders	10

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## CALIFORNIA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	RUSSELL MOLL
Extension	MONIQUE MYERS; RICHARD M. STARR; RICK STARR
Communication	
Education	DEBORAH FAUQUIER; KALIN KROETZ; LEWIS BARNETT; RUSSELL A. MOLL; TALI VARDI

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	James Eckman
Extension	Carolynn Culver; Carrie Pomeroy; Monique Myers; Richard Starr; Theresa Talley
Communication	
Education	James Eckman; Shauna Oh

CA is a "**Large**" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$6,833,371**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$6,112,784**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	8	5.1	2.9
Communication	4	3.6	0.4
Extension	16	7.2	8.8
Education	3	0.25	0
Research	78	9.79	6.48

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	15%	19%
Research	48%	35%
Extension	23%	26%
Communication	7%	10%
Education	7%	10%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	41%	10%
SSSS / SFA	24%	2%
SCD / RCE	9%	2%
HRCC	1%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	25%	86%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/AQ-133: Development of Sustainable Tuna Aquaculture in the United States Using Yellowfin Tuna as a Model (Mark Drawbridge)

R/G-2: Sea Grant Trainees (James Eckman)

R/HCME-1: Climate and the Santa Barbara Basin Fish Assemblage in the Last Two Millennia: Management Implications (David Checkley)

R/HCME-2: Importance Estuarine Acidification (EA) for Commercial Oyster Production and Native Oyster Restoration (Edwin Grosholz)

R/HCME-3: Context and scale of seagrass effects on estuarine acidification: An academic-industry partnership to explore mitigation potential (Tessa Hill)

R/HCME-4: Ocean Forcing of San Francisco Bay: Intrusion of Upwelled Water (John Largier)

R/HCME-5: Geochemistry, physics, and ecology of an intermittent estuary on the California coast: a multi-disciplinary investigation into an annual organism die-off (Céline Pallud)

R/HCME-6: The effect of sea otter reestablishment in southern California on the remnant populations and recovery of black abalone, an endangered species (Peter Raimondi)

R/HCME-7: The Spread and Ecological Consequences of the Invasive Seaweed *Sargassum horneri* (Dan Reed)

SEA GRANT AT A GLANCE – February 2014

R/R-1: Future Competitive Project Funding (James Eckman)

R/RCC-3: Spatial Redistribution of Fishing Effort: Identifying Drivers and Testing Model Predictions for Informing Expectations in Marine Spatial Planning (Crow White)

R/RCC-4: Statewide high-resolution assessment of California coastal cliff erosion and retreat (Adam Young)

R/SOC-4: Scaling Up Cost-Efficient Community Engagement in Coastal Resource Management (Heidi Ballard)

R/SOC-5: The environmental and economic impacts of moorage marinas in the West Coast (James E. Moore)

R/SSFS-1: Determining the genetic and molecular bases of oyster resistance to an oyster-killing virus, Ostreid herpesvirus 1 (Dennis Hedgecock)

R/UG-9: Isaacs Fellows (James Eckman)

**6. Program metrics (2012)**

Number of peer reviewed publications: **69**

Leveraged funds (managed): **\$ 5,916,579**

Leveraged funds (influenced): **\$**

Volunteer Hours: **21,446**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	31	25	13
Masters	5	1	
PhD	26	8	2
Other professional degree			

Total K-12 students reached through educators: **13,275**

Curricula developed: **18**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **264**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **1,048,000**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **526**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	1
Businesses Retained	
Economic Benefit	200,000
Jobs Created	8
Jobs Retained	8
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	46
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	4
Number of fishers who adopt and implement responsible harvesting techniques and practices.	171
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	2,344
Patents	
Tool Used by Stakeholders	3

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## CONNECTICUT Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	NANCY BALCOM; SYLVAIN DE GUISE
Extension	BRUCE HYDE; DAVID DICKSON; ESPERANZA STANCIOFF; JOEL STOCKER; JULIANA BARRETT; KAREN RIVARA; KATIE BLACKER; MICHAEL DIETZ; MIKE DIETZ; NANCY BALCOM; NICOLE BARTLETT; ROBERT POMEROY; SYLVAIN DE GUISE; SYLVAIN DEGUISE; TESSA GETCHIS
Communication	PEG VAN PATTEN
Education	DIANA PAYNE; SYLVAIN DE GUISE

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Nancy Balcom; Sylvain De Guise
Extension	Bruce Hyde; Juliana Barrett; Michael Dietz; Nancy Balcom; Robert Pomeroy; Tessa Getchis
Communication	PEG VAN PATTEN
Education	Diana Payne

CT is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$1,760,235**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,480,520**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	1.36	2.16
Communication	1	0.93	0.07
Extension	10	1.13	3.89
Education	1	0.49	0.26
Research	18	2.7	0.95

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	33%	36%
Research	27%	28%
Extension	25%	22%
Communication	9%	9%
Education	7%	6%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	47%	53%
SSSS / SFA	26%	16%
SCD / RCE	11%	2%
HRCC	0%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	15%
other	16%	14%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/ES-25: The Future of Long Island Sound Tidal Marshes: Understanding Marsh Migration into Different Upland Types (Shimon Anisfeld)

R/FR-1 : Connecticut Sea Grant Future Research, 2016-2018 (Sylvain De Guise)

R/LR-25: The Effects of Timing and Duration of Climatic Heat-Waves in Long Island Sound to a Zooplankton Population (Hans Dam)

R/LR-26: Assessment of Juvenile Horseshoe Crab Age Class Structure and Nursery Habitat Requirements in Long Island Sound (Mark A. Beekey)

R/NERR14-1MIT-CT: Coastal Hazards and Northeast Housing Values: Comparative Implications for Climate Change Adaptation and Community Resilience (Robert J. Johnston)

R/NERR14-2WHOI-CT: Buy out or Build Back? A Comparative Assessment of Approaches to Employing Public Funding to Vulnerable Coastal Properties in the Northeastern United States (Porter Hoagland)

R/RR-1 : Connecticut Sea Grant Support for Northeast Sea Grant Consortium Regional Research, 2014-2018 (Sylvain De Guise)

R/SS-5: Human Dimensions of LIS Ecosystems: An Evidence-based Socio-Ecological Model for Education and Management (Christopher Elphick)

### 6. Program metrics (2012)

SEA GRANT AT A GLANCE – February 2014

Number of peer reviewed publications: **12**

Leveraged funds (managed): **\$ 801,907**

Leveraged funds (influenced): **\$ 269,500**

Volunteer Hours: **1,195**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	6	2	0
Masters	4	1	1
PhD	2	9	4
Other professional degree	0	0	0

Total K-12 students reached through educators: **590**

Curricula developed: **9**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **48**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **2**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **3,235**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	2
Businesses Retained	29
Economic Benefit	
Jobs Created	3
Jobs Retained	244
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	1
Number of hazard resiliency trainings	4
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	6
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	4
Number of fishers who adopt and implement responsible harvesting techniques and practices.	45
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	231
Patents	
Tool Used by Stakeholders	18

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## DELAWARE Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	NANCY TARGETT
Extension	JAMES FALK; WENDY CAREY
Communication	BILIANA CICIN-SAIN; NANCY M. TARGETT; RONALD OHREL
Education	

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Nancy Targett
Extension	James Falk; Wendy Carey
Communication	BILIANA CICIN-SAIN; NANCY M. TARGETT; RONALD OHREL
Education	

DE is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,518,229**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,034,000**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	0.24	2.13
Communication	4	0	1.75
Extension	6	0.26	3.07
Education	1	0	0.79
Research	40	10.63	0.03

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	6%	12%
Research	54%	26%
Extension	28%	22%
Communication	11%	14%
Education	0%	0%
Placeholder		25%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	30%	72%
SSSS / SFA	8%	0%
SCD / RCE	23%	14%
HRCC	28%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	14%
other	10%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/GS-1: Delaware Sea Grant Graduate Education (Nancy Targett)

R/HCE-13: Quantifying Carbon Accumulation and Storage in Delaware Estuarine Wetlands (Christopher Sommerfield)

R/HCE-14: A semi-automated zooplankton analysis system for Delaware Bay and coastal waters: method development and implementation (Jonathan Cohen)

R/HCE-15: Investigating the role of groundwater-borne nutrients in structuring the phytoplankton community of the Inland Bays, DE (Joanna York)

R/HCE-16: Assessing ecosystem health and processes with a combined package of biological, chemical and physical sensors (George Luther)

R/HCE-17: Optical Observing Systems for Delaware’s Coastal Research and Management (Xiao-Hai Yan)

R/HCE-18: Quantifying inundation and hydrodynamics in an anthropogenically-altered tidal wetland (Thomas McKenna)

R/RCE-1: Social Dimensions of Offshore Wind Power Development off the Delmarva Peninsula (Jeremy Firestone)

R/RCE-2: Extending models of surface hydrodynamics in complex natural and modified tidal marsh environments (James Kirby)

SEA GRANT AT A GLANCE – February 2014

R/RCE-3: A bioeconomic analysis of ecosystem-based horseshoe crab fishery management (Sunny Jardine)

R/RCE-4: Bioremediation of Wastewater and Industrial Emissions by *Heterosigma akashiwo* for the Production of Biofuels at Commercially Relevant Scales (Jennifer Stewart)

R/RCE-5: Development of a High Water Mark Database and Display System for Coastal Flooding Events in Delaware (John Callahan)

## 6. Program metrics (2012)

Number of peer reviewed publications: **13**

Leveraged funds (managed): **\$ 1,895,484**

Leveraged funds (influenced): **\$ 123,523**

Volunteer Hours: **11,275**

### Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	1	0	0
Masters	4	1	0
PhD	2	4	1
Other professional degree	0	0	0

Total K-12 students reached through educators: **3,643**

Curricula developed: **1**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **67**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **1**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **7**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>3</b>
Number of hazard resiliency trainings	<b>13</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>3</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>1</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>190</b>
Patents	<b>2</b>
Tool Used by Stakeholders	<b>2</b>

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## FLORIDA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	
Extension	ADAMS, CHARLES M.; ANKERSEN, THOMAS; DAVIDSON, GARIN; FLETCHER, PAMELA; RUPPERT, THOMAS; SWETT, ROBERT
Communication	
Education	ELIZABETH MARTIN COUNCILL; GALKIEWICZ, JULIA; JONES, ROBERT C.; LAPUTZ, SARAH; MARK D. FITCHETT

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Havens, Karl E.; Main, Martin B.; Sidman, Charles F.; Zimmerman, Dorothy
Extension	
Communication	
Education	

FL is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$4,778,021**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$3,229,500**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	3	2
Communication	3.5	2.6	0.86
Extension	29	12.5	16.5
Education	3.5	1.75	1.75
Research	116	13.25	6.14

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	16%	85%
Research	45%	15%
Extension	27%	0%
Communication	6%	0%
Education	5%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	40%	47%
SSSS / SFA	24%	8%
SCD / RCE	21%	7%
HRCC	15%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	38%
other	0%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/C-P-42: State and Local Policy Innovation and Implementation for Coastal Communities (Ankersen, Thomas T.)

R/C-P-43: Assisting Coastal Communities Plan and Manage Their Working Waterfronts and Waterways: The Boating and Waterway Planning Program (Swett, Robert A.)

R/C-S-56: The effects of projected sea-level rise on Everglades coastal ecosystems: Evaluating the potential for and mechanisms of peat collapse using integrated mesocosm and field manipulations (Troxler, Tiffany)

R/GOM/GSEAP-3: AOML/Sea Grant Gulf of Mexico and SE Region Project (Main, Martin B.)

R/LR-A-52: Sustainable Production of Marine Fish and Sea Vegetables in a Marine Aquaponics System (Main, Kevan L.)

R/LR-B-67: A Quantitative Framework to Evaluate Vessel Collision Risk for Marine Mammals in Florida (Martin, Julien)

R/LR-B-69: Developing a Size-structured Stock Assessment Model for the Spiny Lobster, *Panulirus argus*, in Southeast United States (Zhang, Yuying)

R/LR-B-70: An Integrative Assessment of Estuarine Impacts on Coral Health and the Implication for Water Resource Management in Southeast Florida (Voss, Joshua)

R/LR-Q-35: Evaluation of Rapid Brevetoxin Tests for Use in Shellfish Regulation, Shellfish Industry, and Aquaculture (Flewelling, Leanne J.)

## 6. Program metrics (2012)

Number of peer reviewed publications: **10**

Leveraged funds (managed): **\$ 1,358,313**

Leveraged funds (influenced): **\$ 2,653,526**

Volunteer Hours: **8,278**

### Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	3.75	5	6
Masters	21.75	10	9
PhD	14	15	9
Other professional degree	6	6	6

Total K-12 students reached through educators: **3,194**

Curricula developed: **8**

Number of Cumulative Clean Marina Program – Certifications: **327**

Number of HACCP -- Number of people with new certifications: **3,000**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **152**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	5
Businesses Retained	2,018
Economic Benefit	262,863,000
Jobs Created	12
Jobs Retained	9,102
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	24
Number of hazard resiliency trainings	55
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	10
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	9
Number of fishers who adopt and implement responsible harvesting techniques and practices.	1,507
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	5,000
Patents	1
Tool Used by Stakeholders	24

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 Ne NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## GEORGIA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	CHARLES HOPKINSON; DAVID BRYANT
Extension	CHARLES HOPKINSON; DARIN FIGURSKY; DAVID BRYANT; GENO OLMI; JASON EVANS; JESSICA WHITEHEAD; KEITH GATES; LISA LIGOURI; RICHARD BANDY; ROB MCDOWELL; STEPHANIE FAUVER; THOMAS BLISS
Communication	DAVID BRYANT; JILL GAMBILL
Education	CHARLES HOPKINSON; MARYELLEN TIMMONS

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Charles Hopkinson; David Bryant
Extension	Lisa Liguori
Communication	DAVID BRYANT; JILL GAMBILL
Education	Maryellen Timmons

GA is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,175,609**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,766,738**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	6	1.3	0.7
Communication	3	1.5	0
Extension	8	4.4	0.9
Education	5	4	0.3
Research	26	6.6	2.8

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	10%	20%
Research	31%	29%
Extension	42%	31%
Communication	7%	12%
Education	11%	8%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	9%	2%
SSSS / SFA	24%	30%
SCD / RCE	28%	48%
HRCC	39%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	20%
other	0%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/FCF-16: Future Competitive Funding 2016 (Charles Hopkinson)

R/SCD-ram-14: Planning for Competitive Port Expansion on the U.S. Eastern Seaboard: The Case of the Savannah Harbor Expansion Project (SHEP). (Stephen Ramos)

R/SCD-she-14: Coastal Georgia Regional Wastewater Planning (Laurie Fowler)

R/SSS-fri-14: Black Gill Disease in Georgia Shrimp: Causes, Distribution and Transmission (Marc Frischer)

R/SSS-sta-14: Evaluation of a turtle excluder device (TED) design for use in the cannonball jellyfish fishery operating in Georgia’s territorial waters. (David Stasek)

R/SSS-yan-14: Can the Local Food Movement Be an Opportunity For Georgia Seafood Producers to Participate in the Inland Seafood Market? (Tracy Yandle)

### 6. Program metrics (2012)

Number of peer reviewed publications:

Leveraged funds (managed): **\$ 1,823,038**

Leveraged funds (influenced): **\$**

Volunteer Hours: **1,810**

## Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate		5	0
Masters	14	3	3
PhD	17	3	1
Other professional degree			

Total K-12 students reached through educators: **8,978**

Curricula developed: **14**

Number of Cumulative Clean Marina Program – Certifications:

Number of HACCP -- Number of people with new certifications: **42**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	

## **8. Selected impacts (2012)**

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## HAWAII Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	E. GORDON GRAU
Extension	DARREN LERNER; DOLAN EVERSOLE; E. GORDON GRAU
Communication	E. GORDON GRAU
Education	E. GORDON GRAU

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Darren T. Lerner; E. Gordon Grau
Extension	Darren K. Okimoto; E. Gordon Grau
Communication	E. GORDON GRAU
Education	Darren T. Lerner; E. Gordon Grau

HI is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,766,488**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$3,105,375**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	10	5	4.8
Communication	4	2.75	1.25
Extension	23	4.04	14.8
Education	23	8	6.25
Research	24	0	3.61

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	7%	11%
Research	44%	31%
Extension	27%	35%
Communication	6%	9%
Education	14%	14%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	15%	0%
SSSS / SFA	10%	4%
SCD / RCE	26%	82%
HRCC	27%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	22%	14%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/IR-27: Ocean Acidification Monitoring Network, Oahu, Hawaii (Eric Heinen De Carlo)

R/IR-28: Groundwater Inundation: Doubling Community Damage from Sea Level Rise (Charles Fletcher)

R/IR-29: Humankind’s Biogeochemical Experiment: Ocean Acidification and “Coral Reef” Dissolution (Michael Guidry)

R/IR-30: Forecasting climate change impacts on coastal ecosystem services in Hawaii through integration of ecological and social participatory models (Christopher Lepczyk)

R/IR-31: Global and regional vulnerability to 21st century climate shifts in current areas of plant growth (Camilo Mora)

R/IR-32: Coral adaptation and acclimatization to global change: resilience to hotter, more acidic oceans (Robert J. Toonen)

R/PT-1: Project-Related Travel (E. Gordon Grau)

R/SB-10: Groundwater-derived nutrient uptake in coastal ecosystems as driver of reef accretion-erosion balance (Megan Donahue)

R/SB-11: Groundwater-derived nutrient uptake in coastal ecosystems as a driver of shifts in the accretion-erosion balance (Henrieta Dulaiova)

SEA GRANT AT A GLANCE – February 2014

R/SB-12: Quantifying transport and differentiation of land-use impacts of groundwater nutrient loadings to the coastal zones of Maui (Craig R. Glenn)

R/SB-13: Groundwater-derived nutrient uptake in coastal ecosystems as a driver of shifts in the accretion-erosion balance (Florence Thomas)

R/SS-11: Evaluation of the economic feasibility and marketing potential of the new Hawai'i oyster industry (Pingsun Leung)

R/SS-12: The development of acclimation salinity-based rearing strategies to maximize growth in Mozambique tilapia, *Oreochromis mossambicus* (Andre P. Seale)

R/SS-13: Defining ecosystem-based management boundaries using genetics and fisheries data (Robert J. Toonen)

R/SS-14: Leveraging a new observation network to understand management options for a key resource - Onaga (*Etelis coruscans*) (Kevin Weng)

R/TR-13: Disease Outbreak Investigation on the Reefs of Kauai (Greta Aeby)

R/TR-14: The effects of anthropogenic noise on humpback whale mother-calf pairs (Whitlow W.L. Au)

R/TR-15: Maintaining healthy coastal ecosystems: understanding disease risk of Hawaii's coral reefs and sources of coral pathogens (Sean Callahan)

R/XX-1: Future Competed Research Projects 2016-18 (E. Gordon Grau)

## 6. Program metrics (2012)

Number of peer reviewed publications: **101**

Leveraged funds (managed): **\$ 976,605**

Leveraged funds (influenced): **\$**

Volunteer Hours: **12,115**

### Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	17	8	3
Masters	5	4	1
PhD	13	4	4
Other professional degree	0	0	0

Total K-12 students reached through educators: **6,692**

Curricula developed: **7**

Number of Cumulative Clean Marina Program – Certifications:

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **2,135**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **11**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	<b>8,207,077</b>
Jobs Created	<b>61</b>
Jobs Retained	<b>6</b>
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>9</b>
Number of hazard resiliency trainings	<b>22</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>21</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>34</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>135</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>135</b>
Patents	
Tool Used by Stakeholders	<b>35</b>

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## ILLINOIS-INDIANA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	BRIAN MILLER
Extension	BRIAN ANDERSON; BRIAN MILLER; KWAMENA QUAGRAINIE; LAURA KAMMIN; LESLIE DORWORTH; MARGARET SCHNEEMANN; MARTIN JAFFE; MARTY JAFFE; P. M. CHARLEBOIS; ROBERT MCCORMICK
Communication	BRIAN MILLER; IRENE MILES
Education	ROBIN GOETTEL; TIM EDER

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Brian Miller; Lisa Merrifield
Extension	Brian Anderson; Brian Miller; Kara Salazar; Kwamena Quagraine; Leslie Dorworth; Lisa Merrifield; Margaret Schneemann; Martin Jaffe; Molly Woloszyn; Patrice M. Charlebois
Communication	BRIAN MILLER; IRENE MILES
Education	Terri Hallesy; Tim Eder

IL-IN is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,803,406**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,511,444**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	1.75	1.6
Communication	4	3.1	0.4
Extension	16	3.09	11.13
Education	2	0	2
Research	3	0	1.55

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	7%	17%
Research	13%	22%
Extension	73%	43%
Communication	6%	13%
Education	1%	2%
Placeholder		3%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	36%	67%
SSSS / SFA	6%	8%
SCD / RCE	50%	25%
HRCC	8%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	1%
other	0%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/HCE-01-14: Research: Lamberti (Lamberti, Gary A.)

R/P-01-14: Research Program: Administration (Tomas Hook)

R/P-04-14: Research: Future Projects (Brian Miller)

R/SS-02-14: Research: Prokopy (Linda S. Prokopy)

R/SS-03-14: Research: Cutts (Bethany B. Cutts)

### 6. Program metrics (2012)

Number of peer reviewed publications: **1**

Leveraged funds (managed): **\$ 1,582,458**

Leveraged funds (influenced): **\$**

Volunteer Hours: **1,010**

Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	77	1	
Masters	11		
PhD	8		

Other professional degree			
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Total K-12 students reached through educators: **25,183**

Curricula developed: **15**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **1**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **328**

### 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>92</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>15</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>150</b>
Patents	
Tool Used by Stakeholders	<b>11</b>

### 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## LOUISIANA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	CAFFEY, R.; NIELAND, D.; WILSON, C.
Extension	CAFFEY, R.; DAIGLE, M.; J. SUPAN; M. DAIGLE; WILKINS, J.
Communication	KRON, R.
Education	D. NIELAND; LEA, K.; LINDSTEDT, D.; NIELAND. D.

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Matthew Bethel; Rex Caffey; Robert Twilley
Extension	James G Wilkins; James Wilkins; Lauren Land; Melissa Daigle; Rex H. Caffey; Roy Kron
Communication	KRON, R.
Education	Dianne Lindstedt; Kathryn Lea; Matthew Bethel

LA is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,567,536**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,274,755**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	7	0.18	5.71
Communication	7	1.35	5.65
Extension	18	2.28	15.72
Education	1	0.21	0.79
Research	53	13.93	2.75

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	9%	16%
Research	54%	21%
Extension	26%	37%
Communication	6%	0%
Education	6%	7%
Placeholder		19%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	39%	15%
SSSS / SFA	26%	8%
SCD / RCE	18%	35%
HRCC	18%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	16%
other	0%	25%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/CFT-03: Field testing and technology transfer of an alternative bait for the blue crab fishery (Julie A. Anderson)

R/E-24: A Novel Technique to Measure Nitrogen Fluxes in Newly Formed and Restored Marshes and Tidal Creeks: Developing Realistic Ecological Metrics for Eutrophication Assessment and Nutrient Budgets (Victor Rivera-Monroy)

R/EMD-02: Forecasting Land Building and Hurricane Flood Risk Reduction by River Diversion in Mississippi River Delta (Qin Jim Chen)

R/EMD-03: Impact of Climate Change on Louisiana Coastal Ecosystem: Development of Research-Driven Student-Centered Learning Modules (Emad Habib)

R/NIS-01: Response of Louisiana black mangrove to climate changes: Learning from the past to predict the future (Kam-biu Liu)

R/OA-16: Improving region specific eastern oyster models by quantifying physiological responses to regional environmental and climatic variability using a Dynamic Energy Budget approach (Jerome F. La Peyre)

R/ODR-04: Functional marker assisted selective breeding to produce dermo resistant eastern oysters (Qinggang Xue)

### 6. Program metrics (2012)

SEA GRANT AT A GLANCE – February 2014

Number of peer reviewed publications: **16**

Leveraged funds (managed): **\$ 1,519,089**

Leveraged funds (influenced): **\$ 709,414**

Volunteer Hours: **8,017**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	26	8	3
Masters	16	13	4
PhD		3	
Other professional degree	4	7	4

Total K-12 students reached through educators: **33,467**

Curricula developed: **65**

Number of Cumulative Clean Marina Program – Certifications: **3**

Number of HACCP -- Number of people with new certifications: **54**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **292,697**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **60**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	32
Businesses Retained	472
Economic Benefit	49,669,903
Jobs Created	127
Jobs Retained	2,731
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	8
Number of hazard resiliency trainings	33
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	16
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	17
Number of fishers who adopt and implement responsible harvesting techniques and practices.	1,859
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	3,966
Patents	1
Tool Used by Stakeholders	9

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## MAINE Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	PAUL ANDERSON
Extension	ESPERANZA STANCIOFF; KRISTEN GRANT; PAUL ANDERSON; RICHARD WAHLE
Communication	CATHERINE SCHMITT
Education	

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Paul Anderson
Extension	Esperanza Stancioff; Kristen Grant; Natalie Springuel; Sarah Bisson
Communication	CATHERINE SCHMITT
Education	

ME is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,038,524**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,581,026**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	1.36	1.74
Communication	3	2.15	0.85
Extension	5	2.87	1.63
Education	1	0.19	0.31
Research	12	3	0.62

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	14%	28%
Research	52%	14%
Extension	26%	34%
Communication	8%	19%
Education	0%	0%
Placeholder		6%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	12%	0%
SSSS / SFA	53%	7%
SCD / RCE	16%	91%
HRCC	19%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	2%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/12-16-01 Brawley: Supporting Sea Vegetable Aquaculture in Maine (Susan Brawley)

R/12-16-02 Chen: Evaluate performance of length-structured models for assessment of northern shrimp and Atlantic herring in the Gulf of Maine (Yong Chen)

R/12-16-03 Zou: Coastal Flooding and Erosion from Severe Storms in a Changing Climate (Qingping Zou)

R/12-16-04 Wilson: Variation in Habitat Use of Juvenile Life Stages of River Herring (Karen Wilson)

R/12-16-PD: Sea Grant Program Development Funds (Paul Anderson)

R/NERR14-1WH-ME: Coastal hazards and Northeast housing values: comparative implications for climate change adaptation and community resilience. (Robert Johnston)

R/NERR14-2WH-ME: Buy out or build back? A comparative assessment of approaches to employing public funding to vulnerable coastal properties in the Northeastern United States (Porter Hoagland)

### 6. Program metrics (2012)

Number of peer reviewed publications: **16**

Leveraged funds (managed): **\$ 110,211**

Leveraged funds (influenced): **\$ 487,548**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	34	2	1
Masters	3	8	4
PhD	1	7	0
Other professional degree	0	0	0

Total K-12 students reached through educators: **4,751**

Curricula developed: **2**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **90**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	4
Businesses Retained	145
Economic Benefit	3,955,362
Jobs Created	7
Jobs Retained	151
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	5
Number of hazard resiliency trainings	51
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	41
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	7
Number of fishers who adopt and implement responsible harvesting techniques and practices.	73
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	15

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## MARYLAND Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	EDWARD HOUDE; FREDRIKA MOSER; HOWARD TOWNSEND; JAMES FALK; JAMES M. WALLACE; JEFFREY CORNWELL; JOHATHAN G. KRAMER; KATHY FULLER; KEVIN SELLNER; LAURA LAPHAM ; MICHAEL VOILAND; MICHAEL WILBERG; PETER M. ROWE; RALEIGH HOOD; RICHARD DEVOE; ROBERT LATOUR; SUS
Extension	ANDREW LAZUR; ANDY LAZUR; DOUGLAS LIPTON
Communication	JOHN GREER
Education	FREDRIKA MOSER

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Fredrika Moser
Extension	Andrew Lazur
Communication	JOHN GREER
Education	

MD is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,674,066**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,183,902**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	17	1.41	8.98
Communication	7	1.38	0.57
Extension	15	4.4	9
Education	11	2.43	0.52
Research	43	6.26	2.37

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	10%	12%
Research	39%	47%
Extension	26%	21%
Communication	16%	16%
Education	9%	0%
Placeholder		4%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	22%	13%
SSSS / SFA	41%	2%
SCD / RCE	20%	2%
HRCC	17%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	83%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/E-1: Maryland Sea Grant Research Fellows Program (Michael R. Allen)

R/EH-15: Retrospective Analysis of Nutrient and Sediment Loadings to the Chesapeake Bay: Exploration of Trends and Affecting Factors (William P. Ball)

R/EH-16: From genes to ecosystems: integrating measures of aquatic biodiversity and ecosystem health within urbanizing Bay watersheds (Stephen Keller)

R/FISH-105: Understanding Atlantic menhaden population dynamics through use of data from a large-scale historical tagging study (Michael Wilberg)

R/FISH-106: Evaluating the relative impacts of the recreational and commercial sectors of the blue crab fishery in Maryland (Anson Hines)

R/PO-6: Understanding the Effectiveness of the Watershed Stewards Academies in Maryland (Dana R. Fisher)

R/SD-1: Role of a resilient submersed plant bed in mitigating the effects of increasing river-borne particulate inputs to Chesapeake Bay: Sediment dynamics (Lawrence Sanford)

R/SV-2: Role of a resilient submersed plant bed in mitigating the effects of increasing river-borne particulate inputs to Chesapeake Bay: Nutrient cycling (Michael Kemp)

R/X-xx: Maryland Sea Grant Future Research Projects (Fredrika Moser)

### 6. Program metrics (2012)

SEA GRANT AT A GLANCE – February 2014

Number of peer reviewed publications: **25**

Leveraged funds (managed): **\$ 2,176,489**

Leveraged funds (influenced): **\$**

Volunteer Hours: **1,077**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	6	3	
Masters	10	3	2
PhD	4	10	2
Other professional degree		2	

Total K-12 students reached through educators: **901**

Curricula developed: **7**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **74**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **125**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **13**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	43
Businesses Retained	46
Economic Benefit	11,584,774
Jobs Created	99
Jobs Retained	204
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	4
Number of hazard resiliency trainings	7
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	2
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	1
Number of fishers who adopt and implement responsible harvesting techniques and practices.	181
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	135
Patents	
Tool Used by Stakeholders	19

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## MIT Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	C. CHRYSSOSTOMIDIS
Extension	C. CHRYSSOSTOMIDIS
Communication	C. CHRYSSOSTOMIDIS
Education	C. CHRYSSOSTOMIDIS; CHYRSSOSTOMOS CHRYSSOSTOMIDIS; FERN T GIBBONS

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Chrys Chryssostomidis
Extension	Chrys Chryssostomidis; Judith Pederson; Juliet Simpson; Madeleine Hall-Arber
Communication	C. CHRYSSOSTOMIDIS
Education	Chrys Chryssostomidis; Kathryn Shroyer

MIT is a "**Large**" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,886,372**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$3,986,531**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	9	3.95	2.35
Communication	3	1.45	0.15
Extension	12	4.05	0.6
Education	2	1.25	0.15
Research	74	9.28	5.05

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	26%	32%
Research	50%	41%
Extension	14%	17%
Communication	5%	5%
Education	5%	6%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	48%	66%
SSSS / SFA	14%	6%
SCD / RCE	19%	9%
HRCC	19%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	11%
other	0%	9%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/FCP: Future Competitive Funding (Chrys Chryssostomidis)

R/P-NERR-14-1: Buy Out or Build Back? A Comparative Assessment of Approaches to Employing Public Funding to Vulnerable Coastal Properties in the Northeastern United States (Porter Hoagland)

R/P-NERR-14-2: Coastal Hazards and Northeast Housing Values: Comparative Implications for Climate Change Adaptation and Community Resilience (Robert Johnston)

R/RC-132: Are blue mussels declining in the Gulf of Maine?: population trajectories, connectivity, and spatiotemporal variation in reproduction (Cascade Sorte)

R/RC-133: Development and Validation of the Coastal Biosensors for Endocrine Disruption (C-BED) Assay (Helen Poynton)

R/RC-134: High Productivity on a Coastal Bank: Physical and Biological Interactions (Pierre Lermusiaux)

R/RC-135: Climate Change Adaptation Initiative: Participatory hazard mitigation using the Vulnerability and Consequence Adaptive Planning Scenario (VCAPS) process (Chrys Chryssostomidis)

R/RC-136: Enhanced monitoring of harmful algal bloom dynamics and toxicity using real-time observations from co-deployed, automated biosensors (Donald Anderson)

R/RC-137: Using a Global-Regional-Coastal FVCOM System to Assess the Impact of Sea Level Rise on Hurricane and Nor'easter-induced Flood Risk over Massachusetts Coast (Changsheng Chen)

SEA GRANT AT A GLANCE – February 2014

R/RCM-35: Laboratory Development of a Quantum Cascade Laser-Based Sensor System for Measurement of  $\delta^{13}\text{C}$  (CO<sub>2</sub>) in Seawater and Air (Anna Michel)

R/RCM-36: Food Web Structure as a Driver of Multiple Ecosystem Functions in New England Salt Marsh Ecosystems (Jarrett Byrnes)

R/RCM-37: Functional consequences of invasion-mediated biodiversity changes in a marine ecosystem (A. Randall Hughes)

R/RT-2: Focused Research (Chrys Chryssostomidis)

R/RT-2/RC-117: Consortium for Ocean Sensing In the Nearshore Environment (COSINE) (Robert Chen)

R/RT-2/RCM-34: Marine Center for Development of Biomimetic Underwater Sensors (Michael Triantafyllou)

## 6. Program metrics (2012)

Number of peer reviewed publications: **16**

Leveraged funds (managed): **\$ 1,656,967**

Leveraged funds (influenced): **\$ 1,318,975**

Volunteer Hours: **2,625**

### Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	30	4	1
Masters	7	6	2
PhD	13	4	1
Other professional degree	0	0	0

Total K-12 students reached through educators: **37,554**

Curricula developed: **475**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **83**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	4
Number of hazard resiliency trainings	12
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	20
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	450
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	1,200
Patents	
Tool Used by Stakeholders	17

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## MICHIGAN Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	JAMES DIANA; JENNIFER READ; JENNIFER READ DONAHUE; WILLIAM TAYLOR
Extension	CHARLES PISTIS; ROCHELLE STURTEVANT
Communication	ELIZABETH LAPORTE; JAMES DIANA; JENNIFER READ
Education	CHARLES PISTIS; JENNIFER READ DONAHUE; STEPHEN STEWART

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Catherine Riseng; Jim Diana; William Taylor
Extension	Mark Breederland; Rochelle Sturtevant; Steve Stewart; William Taylor
Communication	ELIZABETH LAPORTE; JAMES DIANA; JENNIFER READ
Education	

MI is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,520,778**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,167,262**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	6	9.6	3.4
Communication	4	3.7	3.6
Extension	12	5.1	3.3
Education	1	0	0.5
Research	16	18.4	3.7

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	17%	18%
Research	17%	19%
Extension	47%	51%
Communication	11%	12%
Education	7%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	25%	81%
SSSS / SFA	14%	0%
SCD / RCE	29%	5%
HRCC	12%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	14%
other	19%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/CA-1: Omnibus FY14-18 - Climate Adaption (Jim Diana)

R/CCD-29: Coastal Community Development (William Taylor)

R/CCD-30: Development of Stable Open Channel Design Criteria (Carol J. Miller)

R/PM-56: Placeholder for Future Projects (Jim Diana)

R/SS-1: Governance Approaches to Foster Great Lakes Literacy, Identity and Stewardship: An Integrated Assessment (Shari L. Dann)

R/SS-2: Where People Meet the Muck: An Integrated Assessment of Beach Muck and Public Perception at the Bay City State Recreation Area, Saginaw Bay, Lake Huron (Donna Kashian)

### 6. Program metrics (2012)

Number of peer reviewed publications: **5**

Leveraged funds (managed): **\$ 1,434,681**

Leveraged funds (influenced): **\$ 237,000**

Volunteer Hours: **64,278**

Student support

SEA GRANT AT A GLANCE – February 2014

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	6	1	
Masters	7	1	
PhD			
Other professional degree			

Total K-12 students reached through educators: **14,944**

Curricula developed: **64**

Number of Cumulative Clean Marina Program – Certifications: **41**

Number of HACCP -- Number of people with new certifications: **33**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **401**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **234**

## 7. Program performance measures (2012)

<b>Measure</b>	<b>Actual</b>
Businesses Created	
Businesses Retained	<b>5</b>
Economic Benefit	<b>546,000</b>
Jobs Created	
Jobs Retained	<b>58</b>
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>42</b>
Number of hazard resiliency trainings	<b>57</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>45</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>7</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>527</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>322</b>
Patents	
Tool Used by Stakeholders	<b>27</b>

## 8. Selected impacts (2012)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## MINNESOTA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	GUNDERSON, J.
Extension	GUNDERSON, J.; JEFFREY L. GUNDERSON; JESSE SCHOMBERG
Communication	MOEN S.
Education	GUNDERSON, J., HAGLEY, C.; JEFFREY L. GUNDERSON

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Jeffrey L Gunderson
Extension	Jesse Schomberg
Communication	MOEN S.
Education	

MN is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$1,361,533**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,558,800**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	2.6	1.2
Communication	3	0.96	1.55
Extension	8	2.5	3.95
Education	1	0.3	0
Research	24	2.26	1.14

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	17%	17%
Research	32%	22%
Extension	16%	31%
Communication	24%	14%
Education	11%	0%
Placeholder		17%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	39%	75%
SSSS / SFA	10%	0%
SCD / RCE	35%	8%
HRCC	16%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	17%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/CC-05-14: Building Climate Readiness in Nature-Based Tourism-Dependent Coastal Communities (Dr. Mae Deavenport)

R/CC-06-14: Factor Contributing to Community Resilience in Extreme Climatic Conditions (Dr. Karlyn Eckman)

R/CE-04-14: The biogeochemical habitat of wild rice (Dr. John Pastor)

R/CE-05-14: Long-term aquatic conditions to inform delisting efforts on the St. Louis River (Dr. Euan D. Reavie)

R/CE-06-14: A Metagenomics-Based Approach to Determine sources of Fecal Bacteria in Lake Superior Watershed and on Beaches (Dr. Michael J. Sadowsky)

R/GRA-1: Research Assistanships (Jeffrey L Gunderson)

### 6. Program metrics (2012)

Number of peer reviewed publications: **4**

Leveraged funds (managed): **\$ 383,849**

Leveraged funds (influenced): **\$ 500,000**

Volunteer Hours: **993**

Student support

SEA GRANT AT A GLANCE – February 2014

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	23	8	4
Masters	7	7	5
PhD	2	2	1
Other professional degree	0	0	0

Total K-12 students reached through educators: **11,099**

Curricula developed: **3**

Number of Cumulative Clean Marina Program – Certifications: **6**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **1,700**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **32**

## 7. Program performance measures (2012)

<b>Measure</b>	<b>Actual</b>
Businesses Created	
Businesses Retained	
Economic Benefit	<b>5,747,545</b>
Jobs Created	<b>100</b>
Jobs Retained	<b>2</b>
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>3</b>
Number of hazard resiliency trainings	<b>4</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>10</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>2</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>25</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>1,104</b>
Patents	
Tool Used by Stakeholders	<b>17</b>

## 8. Selected impacts (2012)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## MISSISSIPPI-ALABAMA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	LADON SWANN; STEVE SEMPIER
Extension	DAVID D. BURRAGE; JODY THOMPSON; JOHN SUPAN; LADON SWANN; MELISSA SCHNEIDER; STEPHANIE SHOWALTER; STEPHANIE SHOWALTER-OTTS; WILLIAM WALTON
Communication	
Education	CHRISTOPHER SNYDER; DAVID L. SCOTT; DESIREE BISHOP; JESSICA KASTLER; SHARON WALKER; TINA MILLER-WAY

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	D. LaDon Swann; Stephen Sempier
Extension	David Burrage; Jody Thompson; Melissa Schneider; Stephanie Otts
Communication	
Education	Chris Snyder; Desiree Bishop; Tina Miller-Way

MS-AL is a "**Large**" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,602,817**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,062,374**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	2.7	1.05
Communication	3	1.77	0.19
Extension	16	3.1	2.02
Education	15	1.38	0.69
Research	72	15.78	5.62

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	10%	23%
Research	55%	21%
Extension	30%	41%
Communication	0%	0%
Education	5%	11%
Placeholder		4%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	28%	17%
SSSS / SFA	37%	5%
SCD / RCE	23%	5%
HRCC	11%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	73%
other	0%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/HCE-02: Crafting a Mechanistic Functional Indicator: Examining Allometric Relationships of Macrobenthos in Response to Hypoxia. (Chet Rakocinski)

R/RCE-UNK-02: 2014-2015 RFP for Resilient Communities and Economies Project. (D. LaDon Swann)

R/SFA-01: Predicting the Establishment Potential of Invasive Tiger Shrimp: The Role of Competition and Predation. (Jennifer M. Hill)

R/SFA-02: Effects of Aquaculture Practices on *Vibrio* spp. In the Eastern Oyster, *Crassostrea virginica*: Test of Fouling Control Practices. (William C. Walton)

R/UNK-01(16-17): Future Competitive Research Funding for 2016-2017. (D. LaDon Swann)

### 6. Program metrics (2012)

Number of peer reviewed publications: **14**

Leveraged funds (managed): **\$ 1,594,951**

Leveraged funds (influenced): **\$ 129,363**

Volunteer Hours: **8,904**

Student support

SEA GRANT AT A GLANCE – February 2014

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	5.75	5	2
Masters	6	9.5	0.25
PhD	4	7.5	3.25
Other professional degree	2	2	2

Total K-12 students reached through educators: **45,211**

Curricula developed: **11**

Number of Cumulative Clean Marina Program – Certifications: **4**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **19**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **2,300**

## 7. Program performance measures (2012)

<b>Measure</b>	<b>Actual</b>
Businesses Created	<b>2</b>
Businesses Retained	<b>1</b>
Economic Benefit	<b>10,420,000</b>
Jobs Created	<b>4</b>
Jobs Retained	<b>507</b>
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>21</b>
Number of hazard resiliency trainings	<b>97</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>16</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>8</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>1,006</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>4,230</b>
Patents	
Tool Used by Stakeholders	<b>14</b>

## 8. Selected impacts (2012)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## NEW HAMPSHIRE Sea Grant at a glance

### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	ALESIA MALTZ; BONNIE SPINAZZOLA; BRIAN JACKSON; CELIA CHEN; CHARLES CURTIN; CHARLES FRENCH; CHARLES WALKER; CHRISTOPHER CHABOT; DAVID BURDICK; ELIZABETH FAIRCHILD; ERIK ANDERSON; ERIK CHAPMAN; ERIKA WASHBURN; FREDERICK SHORT; GABRIELA BRADT; GREGG MOORE;
Extension	ERIK CHAPMAN; JONATHAN PENNOCK; JULIA PETERSON; KENNETH LA VALLEY; STEPHEN JONES
Communication	REBECCA ZEIBER; STEVE ADAMS
Education	JONATHAN PENNOCK; LARRY HARRIS; M. R. SWIFT; MARK WILEY

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Jonathan Pennock; Stephen Jones
Extension	Julia Peterson
Communication	REBECCA ZEIBER; STEVE ADAMS
Education	Jonathan Pennock; Larry Harris; M. Robinson Swift; Mark Wiley

NH is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,400,432**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,481,250**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	0.58	0.77
Communication	3	1.92	0.75
Extension	7	3.83	1.33
Education	5	1.72	0.42
Research	25	2.6	0.56

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	8%	14%
Research	36%	16%
Extension	19%	20%
Communication	10%	18%
Education	27%	14%
Placeholder		18%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	23%	9%
SSSS / SFA	40%	31%
SCD / RCE	10%	8%
HRCC	7%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	32%
other	20%	19%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/HCE-1: What Happens to the Nutrients that Have Accumulated in the Sediments of the Great Bay? Quantifying nutrient release and removal due to diffusion and sediment resuspension (Linda Kalnejais)

R/HCE-2: Gene Expression During Development of Clam Leukemia: Interactive effects of temperature and ocean acidification on viral loading and onset of disease (Charles Walker)

R/NERR14-1WH-NH: Coastal Hazards and Northeast Housing Values: Comparative implications for climate change adaptation and community resilience (Robert Johnston)

R/NERR14-2WH-NH: Buy Out or Build Back? A comparative assessment of approaches to employing public funding to vulnerable coastal properties in the Northeastern United States (Porter Hoagland)

R/RCE-1: Analysis and Communications of Flood Damage Cost Avoidance in the Lamprey River Watershed of New Hampshire (Cameron Wake)

R/SFA-1: Diversifying the New England Sea Vegetable Aquaculture Industry: Modification of kelp nursery and grow-out technology for nori production (Christopher Neefus)

### 6. Program metrics (2012)

Number of peer reviewed publications: **7**

Leveraged funds (managed): **\$ 1,421,890**

Leveraged funds (influenced): **\$ 2,591,710**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	27	2	29
Masters	10	2	3
PhD	2	5	2
Other professional degree	0	17	0

Total K-12 students reached through educators: **7,345**

Curricula developed: **4**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **3**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **11**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

**7. Program performance measures (2012)**

<b>Measure</b>	<b>Actual</b>
Businesses Created	<b>4</b>
Businesses Retained	<b>8</b>
Economic Benefit	<b>4,250,149</b>
Jobs Created	<b>13</b>
Jobs Retained	<b>24</b>
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>32</b>
Number of hazard resiliency trainings	<b>65</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>1</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>2</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>20</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>1,000</b>
Patents	
Tool Used by Stakeholders	<b>64</b>

**8. Selected impacts (2012)**

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

**9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

**10. RFP process (2013)**

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## NEW JERSEY Sea Grant at a glance

### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	ANTONUCCI; ROWE
Extension	JOHN KRAEUTER; MICHAEL DANKO; MILLER; OBROPTA; PETE ROWE; PETER ROWE; ROWE
Communication	KOSKO
Education	ANTONUCCI; CLAIRE ANTONUCCI

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Augustine Anfuso; Claire Antonucci; Lisa Aromando; Peter M. Rowe
Extension	Christopher C. Obropta, Ph.D., P.E.; Jon K. Miller; Lisa M. Calvo; Michael Danko; Peter M. Rowe
Communication	KOSKO
Education	Claire Antonucci; Cynthia Valkos; Diana Burich; Mindy Voss; Rosemary Higgins

NJ is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$1,697,115**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,562,184**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	7	2	4.3
Communication	2	0.76	0.95
Extension	6	2.39	1.06
Education	47	1.33	3.99
Research	31	2.15	1.81

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	13%	13%
Research	27%	30%
Extension	34%	29%
Communication	14%	12%
Education	12%	15%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	27%	35%
SSSS / SFA	18%	9%
SCD / RCE	16%	28%
HRCC	21%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	28%
other	18%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/Future Research: Future Research Projects (Peter M. Rowe)

R/Guo: Advancing Eastern Oyster Aquaculture through Marker-assisted Selection (Dr. Ximing Guo)

R/Jackson: Facilitating Natural Dune Building (Nancy Jackson)

R/Kopp: Development of historically-calibrated sea level rise projections for risk management along the New Jersey Shore (Robert E. Kopp)

R/MARR14NJ-NJ: Understanding the impacts of climate change on the distribution, population connectivity, and fisheries for summer flounder (*Paralichthys dentatus*) in the Mid-Atlantic (Malin Pinsky)

R/Program Development: Future Program Development Projects (Peter M. Rowe)

R/Wiedenmann: Determining Sustainable Catch Limits for Data-Poor Fisheries in New Jersey: Validation and Refinement of a Data-Poor Harvest Control Rule (John Wiedenmann)

### 6. Program metrics (2012)

Number of peer reviewed publications: **3**

Leveraged funds (managed): **\$ 1,348,035**

Leveraged funds (influenced): **\$ 347,280**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	140	6	0
Masters	7	1	0
PhD	1	0	0
Other professional degree	0	0	0

Total K-12 students reached through educators: **18,320**

Curricula developed: **3**

Number of Cumulative Clean Marina Program – Certifications: **47**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **3**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **111**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	12
Number of hazard resiliency trainings	12
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	1

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## NEW YORK Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	JAMES AMMERMAN
Extension	BUNTING-HOWARTH, KATHERINE; CHARLES R. ONEILL; DAVID G. WHITE II; HELEN DOMSKE; KATHERINE E. BUNTING-HOWARTH
Communication	BARBARA A. BRANCA; BRANCA, BARBARA A.
Education	AMMERMAN, JAMES

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	William M. Wise
Extension	Katherine E. Bunting-Howarth
Communication	BARBARA A. BRANCA; BRANCA, BARBARA A.
Education	

NY is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$4,015,231**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$3,618,991**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	6	3.5	2
Communication	4	1	2
Extension	26	5.06	17.57
Education	3	0.4	0.35
Research	81	17.64	4.63

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	19%	23%
Research	39%	25%
Extension	33%	46%
Communication	8%	6%
Education	1%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	35%	78%
SSSS / SFA	28%	6%
SCD / RCE	25%	1%
HRCC	12%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	4%
other	0%	9%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/CMB-40: Assessing bloom dynamics of the toxic dinoflagellate *Cochlodinium polykrikoides* and impacts on fisheries: Are there mitigation options? (Ying Zhong Tang)

R/CMC-12: The role of submarine groundwater discharge (SGD) in promoting hypoxia in Smithtown Bay (Henry J. Bokuniewicz)

R/BBF-22: Atlantic salmon restoration in Great Lakes tributaries: An ecological and bioenergetics approach (Neil H. Ringler)

R/BBF-23: The potential impact of VHSV on future population recovery of St. Lawrence River muskellunge (Rodman G. Getchell)

R/BBM-36: QPX distribution and persistence in the environment (Bassem Allam)

R/MARR14NJ-NY: Understanding the impacts of climate change on the distribution, population connectivity, and fisheries for summer flounder (*Paralichthys dentatus*) in the Mid-Atlantic (Janet A. Nye)

R/NERR14-1WH-NY: Coastal hazards and northeast housing values: Comparative implications for climate change adaptation and community resilience (Robert J. Johnston)

R/NERR14-2WH-NY: Buy out or build back? A comparative assessment of approaches to employing public funding to vulnerable coastal properties in the northeastern United States (Porter Hoagland)

R/PS-8: Sea Grant Scholars (Cornelia G. Schlenk)

## 6. Program metrics (2012)

Number of peer reviewed publications: **8**

Leveraged funds (managed): **\$ 813,239**

Leveraged funds (influenced): **\$**

Volunteer Hours: **783**

### Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	10	0	1
Masters	4	2	1
PhD	8	6	1
Other professional degree	0	0	0

Total K-12 students reached through educators: **13,535**

Curricula developed: **4**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **252**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **15**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **4**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	155
Businesses Retained	313
Economic Benefit	4,805
Jobs Created	
Jobs Retained	198
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	1
Number of hazard resiliency trainings	5
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	5
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	2
Number of fishers who adopt and implement responsible harvesting techniques and practices.	45
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	1,231
Patents	
Tool Used by Stakeholders	3

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## NORTH CAROLINA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	MICHAEL P. VOILAND; SUSAN N. WHITE
Extension	GLORIA PUTNAM; JOHN F. THIGPEN; MARC J. TURANO
Communication	KATHLEEN MOSHER PATTERSON
Education	JEFFREY BUCKEL; MICHAEL P. VOILAND; MICHAEL VOILAND

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Susan White
Extension	Jack Thigpen; Susan White
Communication	KATHLEEN MOSHER PATTERSON
Education	Jeffrey Buckel; Susan White

NC is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,242,373**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,547,000**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	6	2.48	1.41
Communication	3	0.93	1.65
Extension	15	5.8	4.5
Education	1	0	1
Research	182	29.36	26.3

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	10%	9%
Research	24%	32%
Extension	42%	37%
Communication	10%	14%
Education	14%	4%
Placeholder		5%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	28%	27%
SSSS / SFA	27%	38%
SCD / RCE	17%	31%
HRCC	14%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	4%
other	13%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/14-EL-1: Building Ocean and Climate Literacy in North Carolina through a Project WET Climate Literacy Module (Markus Peterson)

R/14-HCE-1: Metapopulation Dynamics Guides Oyster Restoration and Habitat Protection (David Eggleston)

R/14-HCE-2: Integrating Eukaryotic and Prokaryotic Plankton Community Transcriptomics into an Ecological Network Analysis of the Neuse River Estuary (Adrian Marchetti)

R/14-HCE-3: Effects of sea-level rise on coastal freshwater wetland animals (Michael McCoy)

R/14-HCE-4: Rapid Detection of Fecal Indicator Bacteria in Water by Enzymatic Hydrolysis of Specific Chromogenic Substrates (Jill Stewart)

R/14-HRCC-1: Studying stormwater runoff to better protect public health at North Carolina beaches (Rachel Noble)

R/14-HRCC-2: Strengthening the Hurricane Wave and Surge Forecast Guidance provided to Coastal Communities in North Carolina (Joel Dietrich)

R/14-SCD-1: Development of Tourism Trails to Benefit Rural Coastal Economies and to Preserve National Resources and Coastal Heritage (Karen Amspacher)

R/14-SCD-2: Labor Implications of Sustainable Coastal Development: Relations between Coastal and Inland Communities (David Griffith)

SEA GRANT AT A GLANCE – February 2014

R/14-SSS-1: Validating a New and Reliable Method to Determine the Age of Blue Crabs (Robert Roer)

R/14-SSS-2: Population connectivity of southern flounder in the US South Atlantic (Frederick Scharf)

R/MARR14NJ-1: Understanding the impacts of climate change on the distribution, population connectivity, and fisheries for summer flounder (*Paralichthys dentatus*) in the Mid-Atlantic - North Carolina (Joel Fodrie)

R-16: Future Competitive Funding (Susan White)

## 6. Program metrics (2012)

Number of peer reviewed publications: **34**

Leveraged funds (managed): **\$ 302,310**

Leveraged funds (influenced): **\$ 972,646**

Volunteer Hours: **875**

### Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	20	10	3
Masters	16	14	2
PhD	14	15	1
Other professional degree	1	5	1

Total K-12 students reached through educators: **43,250**

Curricula developed: **8**

Number of Cumulative Clean Marina Program – Certifications: **16**

Number of HACCP -- Number of people with new certifications: **38**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **1**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **33**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	1
Businesses Retained	7
Economic Benefit	2,743,600
Jobs Created	2
Jobs Retained	63
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	11
Number of hazard resiliency trainings	12
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	29
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	1
Number of fishers who adopt and implement responsible harvesting techniques and practices.	10
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	526
Patents	
Tool Used by Stakeholders	31

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## OHIO Sea Grant at a glance

### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	AMY TOWNSEND-SMALL; CAROL A. STEPIEN; CHRISTINA DIERKES; CHRISTOPHER SPIESE; CHRISTOPHER WINSLOW; ELIZABETH A DAYTON; ETHAN J KUBATKO; FRANK LICHTKOPPLER; HANPING WANG; HAROLD W WALKER; JEFF MINER; JEFFREY M. REUTTER; JEFFREY REUTTER; JILL JENTES BANICKI;
Extension	CHRISTINA DIERKES; CHRISTOPHER WINSLOW; FRANK LICHTKOPPLER; JEFFREY REUTTER; JILL JENTES BANICKI; JOE LUCENTE; KRISTIN STANFORD; MATT THOMAS; SARAH ORLANDO; TORY GABRIEL
Communication	CHRISTINA DIERKES; GEORGE OOMMAN; JILL JENTES BANICKI
Education	CHRISTOPHER WINSLOW; FRANK LICHTKOPPLER; JEFFREY REUTTER; JOE LUCENTE; SARAH ORLANDO; TORY GABRIEL

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Christopher J. Winslow; Jeffrey M. Reutter; Jill Jentes Banicki
Extension	Christopher J. Winslow; Frank Lichtkoppler; Joseph Lucente
Communication	CHRISTINA DIERKES; GEORGE OOMMAN; JILL JENTES BANICKI
Education	

OH is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,412,665**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,790,858**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	31	4.88	14.59
Communication	4	1.26	1.33
Extension	16	2.38	3.72
Education	42	0.43	4.99
Research	62	67.91	51.45

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	13%	28%
Research	38%	37%
Extension	34%	35%
Communication	4%	0%
Education	10%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	33%	93%
SSSS / SFA	21%	0%
SCD / RCE	21%	4%
HRCC	25%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	2%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/ER-097: Should nitrogen be managed Lake Erie? The potential role of nitrogen fixation by cyanobacteria. (Darren L. Bade)

R/ER-102: Understanding dam removal impacts on a formerly prolific Great Lake’s walleye population (Chris Vandergoot)

R/ER-103: The role of nitrogen concentration in regulating cyanobacterial bloom toxicity in a eutrophic lake (Justin Chaffin)

R/ER-104: Source tracking and toxigenicity of Planktothrix in Sandusky Bay (George S. Bullerjahn)

R/ER-105: Ohio Sea Grant College Program Future Competitive Grants (Jeffrey M. Reutter)

R/ES-012: Impacts of Climate Change on Public Health in the Great Lakes due to Harmful Algae Blooms (Jay F. Martin)

R/MD-002: Beneficial reuse of dredged material in manufactured soil blending: Economic/logistical and performance considerations (Elizabeth A. Dayton)

R/ME-038: Linking Agricultural Production and Great Lakes Ecosystem Services: Modeling and Valuing the Impacts of Harmful Algal Blooms in Lake Erie (Elena G. Irwin)

R/PS-048: Relative contributions of hypoxia and natural gas drilling to methane emissions from Lake Erie (Amy Townsend-Small)

SEA GRANT AT A GLANCE – February 2014

R/PS-049: Mapping drain tile and modeling agricultural contribution to nonpoint source pollution in the western Lake Erie basin (Kevin Czajkowski)

R/PS-050: Delivery of sediment amendments using far-field ultrasound (Linda Weavers)

## 6. Program metrics (2012)

Number of peer reviewed publications: **17**

Leveraged funds (managed): **\$ 2,298,241**

Leveraged funds (influenced): **\$ 12,138,900**

Volunteer Hours: **2,477**

### Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	44	1	0
Masters	8	1	2
PhD	4	6	2
Other professional degree	0	0	0

Total K-12 students reached through educators: **6,812**

Curricula developed: **16**

Number of Cumulative Clean Marina Program – Certifications: **39**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **364**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **17**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	<b>1,704,527</b>
Jobs Created	<b>2</b>
Jobs Retained	<b>36</b>
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>6</b>
Number of hazard resiliency trainings	<b>6</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>12</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>7</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>3,501</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>9,619</b>
Patents	
Tool Used by Stakeholders	<b>73</b>

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## OREGON Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	STEPHEN B. BRANDT
Extension	BRANDT, STEVE; CONE, JOE; JAY L. RASMUSSEN; JAY RASMUSSEN; SAM CHAN; STEPHEN B. BRANDT
Communication	JOSEPH CONE
Education	BRANDT, STEPHEN; STEPHEN B. BRANDT

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Joseph Cone, Assistant Director and Communications Leader; Melissa Metz, Operations Leader; Rich Holdren, Interim Director; Sarah Kolesar, Research and Fellowship Program Coordinator
Extension	David Hansen, Sea Grant Extension Program Leader
Communication	JOSEPH CONE
Education	

OR is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$4,185,520**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$3,549,000**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	6	1.68	3.37
Communication	6	2.71	2.31
Extension	21	5.32	6.76
Education	12	3.02	6.17
Research	21	1.81	15.16

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	20%	40%
Research	31%	15%
Extension	34%	29%
Communication	11%	0%
Education	4%	0%
Placeholder		17%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	22%	6%
SSSS / SFA	28%	6%
SCD / RCE	10%	2%
HRCC	18%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	1%
other	21%	85%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/BT-52: Elicitation of Antibiotic Natural Products in Multispecies Cultures of Deep-sea Vent-derived Microorganisms (Kerry McPhail)

R/CNH-25: Preparing for Climate Change in Oregon Estuaries: Flooding, Ecological Impacts, and an Integrated Approach Toward Adaptive Management (David Hill)

R/ECO-27: Sea grass as possible ocean acidification refugia for shellfish in a high CO2 world (George Waldbusser)

R/ECO-28: Understanding oceanic and terrestrial controls on dissolved oxygen variability in the Coos Bay estuary (David Sutherland)

R/IEd-14: Scaling Up Cost-Efficient Community Engagement in Coastal Resource Management (Shawn Rowe)

R/RCF-33: Evaluating the population genetic structure and diversity of Dungeness crab (Cancer magister) (Kathleen O'Malley)

R/RCF-34: Exploring Albacore stock structure in the North Pacific with radionuclide tracers (Lorenzo Ciannelli)

R/RCF-35: Enhancing Razor Clam Management Using Molecular Probes for Pathogen Detection (Jeremy Weisz)

R/SAQ-20: Protecting West Coast oyster hatcheries from the effects of increasing ocean acidification (Chris Langdon)

### 6. Program metrics (2012)

SEA GRANT AT A GLANCE – February 2014

Number of peer reviewed publications: **17**

Leveraged funds (managed): **\$ 2,183,052**

Leveraged funds (influenced): **\$ 8,473,533**

Volunteer Hours: **151,244**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	38	34	22
Masters	20	40	23
PhD	19	21	4
Other professional degree	2	3	2

Total K-12 students reached through educators: **28,322**

Curricula developed: **74**

Number of Cumulative Clean Marina Program – Certifications: **10**

Number of HACCP -- Number of people with new certifications: **11**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **72,993**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **379**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	2
Businesses Retained	112
Economic Benefit	58,402,724
Jobs Created	44
Jobs Retained	657
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	19
Number of hazard resiliency trainings	37
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	54
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	70
Number of fishers who adopt and implement responsible harvesting techniques and practices.	1,336
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	34,412
Patents	2
Tool Used by Stakeholders	41

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## PENNSYLVANIA Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	ROBERT LIGHT, PH.D.; SEAN RAFFERTY
Extension	ANN FAULDS; ROBERT LIGHT, PH.D.; SEAN RAFFERTY
Communication	ROBERT LIGHT, PH.D.; SEAN RAFFERTY
Education	DAVID BOUGHTON; ROBERT LIGHT, PH.D.; SEAN RAFFERTY

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Ann Faulds; Robert W. Light; Sarah Whitney; Sean Rafferty
Extension	David Skellie; Eric Obert; Marti Martz; Sean Rafferty
Communication	ROBERT LIGHT, PH.D.; SEAN RAFFERTY
Education	

PA is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$1,313,964**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,036,672**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	7	1.65	0.55
Communication	1	0.19	0.81
Extension	9	1.91	3.26
Education	5	1.3	1
Research	4	1.25	0.1

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	12%	34%
Research	25%	12%
Extension	46%	38%
Communication	4%	2%
Education	13%	0%
Placeholder		15%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	0%	98%
SSSS / SFA	0%	0%
SCD / RCE	0%	2%
HRCC	0%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/1-1416-1C: DNA Mutation Analysis in Brown Bullhead Fish from Presque Isle Bay (Steven Mauro)

R/1-1416-2C: Assessing the ecological integrity of Presque Isle Bay by comparing tumors rates and intersex within fish (Sean Rafferty)

R/1-1416-3C: PCR tracking of predation on non-native species in Lake Erie (Kelly Grant, Ph.D.)

R/1-1416-4C: ` (Andrew J. Mowen, Ph.D)

R/1-1416-5C: Evaluations of Effectiveness of FreshFaceForward: Personal Care Products (PCPs) Social Change Campaign (Anne Zaphiris, Ph.D)

R/1-1416-6C: Quantifying seasonal movement dynamics and thermal habitat use of smallmouth bass in the Susquehanna River basin (Tyler Wagner)

R/1-1416-7C: A Real-time PCR Method for the Early Detection of Aquatic Invasive Species in Pennsylvania Watersheds (Benoit Van Aken)

R/1416-NC: Support for the Natural History Museum at the Tom Ridge Environmental Center at Presque Isle (non-competitive) (Mark Lethaby)

R/1418-0: Research - Pennsylvania Sea Grant 2014-2018 (Jeanette Schnars)

### 6. Program metrics (2012)

SEA GRANT AT A GLANCE – February 2014

Number of peer reviewed publications:

Leveraged funds (managed): **\$ 1,153,250**

Leveraged funds (influenced): **\$**

Volunteer Hours: **11,777**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	8	0	0
Masters	2	1	1
PhD	0	2	0
Other professional degree	0	0	0

Total K-12 students reached through educators: **8,167**

Curricula developed: **15**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **602**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **9**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	1
Number of hazard resiliency trainings	3
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	6
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	52
Patents	
Tool Used by Stakeholders	5

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## PUERTO RICO Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	RUPERTO CHAPARRO
Extension	EDGARDO OJEDA; KONSTANTINOS ALEXANDRIDIS, PHD; LILLIAN RAMIREZ; MANUEL VALDES PIZZINI; MANUEL VALDES PIZZINI, PHD
Communication	CRISTINA OLAN
Education	LESBIA MONTERO

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Ruperto Chaparro, MA
Extension	Lillian Ramirez, MS; Manuel Valdes Pizzini, PhD; Richard S. Nemeth, PhD
Communication	CRISTINA OLAN
Education	Lesbia Montero

PR is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,084,758**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,596,088**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	6	2.67	2.83
Communication	14	2	5.94
Extension	9	4.6	3.94
Education	5	1.75	0.68
Research	53	5.3	3.2

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	22%	26%
Research	24%	8%
Extension	37%	34%
Communication	13%	22%
Education	3%	6%
Placeholder		5%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	31%	86%
SSSS / SFA	8%	0%
SCD / RCE	17%	6%
HRCC	27%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	8%
other	17%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/101-1-14: Connectivity between shallow and mesophotic ecosystems in Puerto Rico and the US Virgin Islands: using corals and commensal fauna (Nikolaos Schizas, PhD)

R/21-1-14: Genetic structure and diversity of bottlenose dolphin,

*Tursiops truncatus*, off Puerto Rico

(Grisel Rodriguez)

R/31-1-14: The Immune Response of *Diadema antillarum* and Recovery from Caribbean-wide Mass Mortality (Gregory Beck, PhD)

R/31-2-14: Reef health, fish diseases, and habitat connectivity: understanding the role of ectoparasites as vectors for disease, energy transfer, and barometers of reef ecosystem health (Paul Sikkell, PhD)

R/84-1-14: Evaluation of Perceptions and Experimental Planting Techniques at Parque La Esperanza, Cataño, Puerto Rico (Concepcion Rodriguez-Fourquet, PhD)

### 6. Program metrics (2012)

Number of peer reviewed publications: **4**

Leveraged funds (managed): **\$ 474,369**

Leveraged funds (influenced): **\$**

Volunteer Hours: **6,000**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	10	11	5
Masters	6	5	2
PhD	3	4	0
Other professional degree	0	0	0

Total K-12 students reached through educators: **10,000**

Curricula developed: **40**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>16</b>
Number of hazard resiliency trainings	<b>32</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>36</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>12</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>5,000</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>78,000</b>
Patents	
Tool Used by Stakeholders	<b>2</b>

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## RHODE ISLAND Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	ALAN DESBONNET
Extension	JENNIFER MCCANN; PAMELA RUBINOFF; SUSAN FARADY
Communication	ALAN DESBONNET
Education	ALAN DESBONNET

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Dennis Nixon; Monica Allard-Cox
Extension	Jennifer McCann; Susan Farady
Communication	ALAN DESBONNET
Education	Dennis Nixon

RI is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,214,021**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$3,118,512**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	4	1.6	2.65
Communication	2	1.5	0
Extension	20	5.31	1.24
Education	6	1.25	0.25
Research	27	7.87	1.65

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	22%	32%
Research	42%	13%
Extension	25%	26%
Communication	5%	0%
Education	6%	15%
Placeholder		14%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	77%	11%
SSSS / SFA	11%	9%
SCD / RCE	8%	26%
HRCC	4%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	26%
other	0%	29%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/F-1416-31-1: Quahog larval dispersion and settlement in Narragansett Bay. (Scott Rutherford)

R/F-1416-32-1: A model for understanding public support for aquaculture and estimating social carrying capacity in Rhode Island waters. (Tracey Dalton)

R/F-1416-32-2: An inventory map and valuation of social uses of Rhode Island coastal waters: a mixed methods approach. (Robert Thompson)

R/F-1416-42-1: N cycling processes across an oyster aquaculture chronosequence. (Robinson Fulweiler)

R/F-1416-42-2: Could diseases in blue mussels affect commercial culture in the Northeast region? (Roxanna Smolowitz)

R/F-1416-54: Developing information to manage the Rhode Island whelk fishery. (Kathleen Castro)

### 6. Program metrics (2012)

Number of peer reviewed publications: **3**

Leveraged funds (managed): **\$ 778,773**

Leveraged funds (influenced): **\$**

Volunteer Hours: **1,619**

## Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	8	3	5
Masters	6	7	0
PhD	3	5	0
Other professional degree	6	21	6

Total K-12 students reached through educators:

Curricula developed:

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications: **131**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **100**

## 7. Program performance measures (2012)

<b>Measure</b>	<b>Actual</b>
Businesses Created	
Businesses Retained	
Economic Benefit	<b>100,000</b>
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>4</b>
Number of hazard resiliency trainings	<b>15</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>13</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>1</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>100</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>350</b>
Patents	<b>2</b>
Tool Used by Stakeholders	

## **8. Selected impacts (2012)**

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## SOUTH CAROLINA Sea Grant at a glance

### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	M. RICHARD DEVOE
Extension	M. RICHARD DEVOE; ROBERT H BACON
Communication	SUSAN FERRIS HILL
Education	

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Judy Linder, Administrative Manager; M. Richard DeVoe; Susannah Sheldon, Program Manager; TBH, Assistant Director for Development and Extension
Extension	April L. Turner, Coastal Communities Extension Specialist; April Turner, Coastal Community Specialist; Elizabeth Fly, Climate Specialist; Julie Davis, Living Marine Resources Specialist; M. Richard DeVoe; M. Richard DeVoe, Executive Director; Michael Slat
Communication	SUSAN FERRIS HILL
Education	Elizabeth Vernon Bell

SC is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$2,563,867**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,994,832**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	5	1	4
Communication	3	1.4	1.6
Extension	5	4	1
Education	2	0.25	1.75
Research	1	0.25	0.75

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	13%	23%
Research	35%	19%
Extension	30%	22%
Communication	7%	14%
Education	15%	3%
Placeholder		19%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	16%	20%
SSSS / SFA	24%	3%
SCD / RCE	25%	59%
HRCC	21%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	18%
other	14%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/CF-20: *Vibrio parahaemolyticus* Virulence and Its Magnification in the Eastern Oyster, *Crassostrea virginica* (Charles R. Lovell)

R/CH-4: Wind and rain resistant design for coastal cross laminated timber buildings (Scott D. Schiff)

R/CP-20: Clonal aging and the molecular basis for sudden marsh dieback (James Morris )

R/ER-41: Evaluating the cause and effect after twenty years of assessing the impacts of coastal development on tidal creek headwaters (Denise M. Sanger)

R/ER-42: Hydrology and pollutant removal performance in detention ponds typical of the lower coastal plain of South Carolina (Erik M. Smith)

R/ER-43: Evaluating wetland function in coastal South Carolina to support low impact development decision making (Daniel Hitchcock)

R/ER-44: Development and validation of a novel molecular tool to rapidly detect and quantify harmful algal bloom (HAB) species linked with fish kills and public health concerns (Diane Greenfield )

R/ER-45: Particle contamination: Direct effects on salt marsh-tidal creek organisms and indirect effects on the bioavailability and toxicity of polynuclear aromatic hydrocarbons (PAHs) (Stephen J. Klaine)

### 6. Program metrics (2012)

Number of peer reviewed publications: **7**

SEA GRANT AT A GLANCE – February 2014

Leveraged funds (managed): **\$ 1,108,877**

Leveraged funds (influenced): \$

Volunteer Hours: **7,264**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	13	4	5
Masters	8	14	12
PhD	2	3	3
Other professional degree	0	0	0

Total K-12 students reached through educators: **6,275**

Curricula developed: **6**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **884**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **2**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	<b>120,754</b>
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>4</b>
Number of hazard resiliency trainings	<b>8</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>3</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>5</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>50</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>100</b>
Patents	
Tool Used by Stakeholders	<b>18</b>

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## USC Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	DUGUAY
Extension	FAWCETT; GRIFMAN
Communication	GRIFMAN; JULIETTE HART
Education	GRIFMAN; LINDA DUGUAY

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	LINDA DUGUAY; PHYLLIS GRIFMAN
Extension	JAMES FAWCETT; PHYLLIS GRIFMAN
Communication	GRIFMAN; JULIETTE HART
Education	PHYLLIS GRIFMAN

USC is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$1,894,209**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,429,683**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	2	0	0.95
Communication	3	1.5	0
Extension	5	3	0.75
Education	1	0.5	0.5
Research	8	0.75	0.2

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	10%	24%
Research	44%	21%
Extension	19%	31%
Communication	13%	19%
Education	14%	5%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	17%	61%
SSSS / SFA	4%	0%
SCD / RCE	0%	4%
HRCC	18%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	36%
other	61%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/HCE-37: TROPHIC TRANSFER OF DOMOIC ACID IN FOOD WEBS OF THE FUTURE GREENHOUSE COASTAL OCEAN (Dave Hutchins)

R/HCE-38: A New Method for Monitoring Urban Beach Ecosystems (KAREN MARTIN)

R/RCE-02: The environmental and economic impacts of moorage marinas in the West Coast (James Moore)

R/RCE-03: Developing a Model Ordinance for California Local Governments to Integrate Sea-Level Rise Adaptation into Existing Land Use Plans (SEAN B HECHT)

R/TBD: UNALLOCATED RESEARCH (TBD)

### 6. Program metrics (2012)

Number of peer reviewed publications: **8**

Leveraged funds (managed): **\$ 278,936**

Leveraged funds (influenced): **\$ 30,498**

Volunteer Hours: **611**

Student support

SEA GRANT AT A GLANCE – February 2014

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	4	0	0
Masters	1	0	0
PhD	1	2	1
Other professional degree			

Total K-12 students reached through educators: **95,926**

Curricula developed: **5**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

### 7. Program performance measures (2012)

<b>Measure</b>	<b>Actual</b>
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>1,158</b>
Patents	
Tool Used by Stakeholders	

### 8. Selected impacts (2012)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## TEXAS Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	PAMELA PLOTKIN
Extension	LOGAN RESPESS; PAMELA PLOTKIN
Communication	JIM HINEY
Education	ALYSON AZZARA; APRIL BAGWILL; JOHN JACOB; KATHLEEN WELDER; KEVIN CONWAY; LIAM CARR; PAMELA PLOTKIN; STEPHANIE SHOWALTER

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Pamela Plotkin
Extension	John Jacob; Pamela Plotkin
Communication	JIM HINEY
Education	

TX is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,623,651**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,826,001**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	4	1.07	2.93
Communication	4	0	4
Extension	11	4.66	5.44
Education	0	0	0
Research	14	1.2	1.52

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	13%	27%
Research	52%	22%
Extension	22%	51%
Communication	6%	0%
Education	8%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	34%	20%
SSSS / SFA	14%	0%
SCD / RCE	21%	4%
HRCC	17%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	76%
other	14%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/CS-14: If we lose Folletts Island, we lose coastal communities and Christmas Bay: A geological framework and numerical model study of the sustainability of Folletts Island. (Jens Figlus)

R/EQ-8: Identification of organic matter sources contributing to hypoxia formation in two eutrophic South Texas estuaries: relationships to watershed land use practices (Michael Wetz)

R/ES-15: Mangroves are invading Texas salt marshes: what are the consequences? (Steven Pennings)

R/ES-16: Evaluating Groundwater/Surface-Water Inflow and Nutrient Transport to Texas Coastal Embayments (Dorina Murgulet)

R/ES-17: Texas Sea Grant's Climate Literacy and Capacity Building Program (Mona Behl)

R/F-12: Economic Valuation of Brown and White Shrimps as Forage Species in the Coastal Areas of Texas (Masami Fujiwara)

R/F-13: Assessment of Population Genetic Differentiation of the Blue Crab (*Callinectes sapidus*) in the Gulf of Mexico using Next Generation Sequencing Technologies (Luis Hurtado)

### 6. Program metrics (2012)

Number of peer reviewed publications: **1**

Leveraged funds (managed): **\$ 293,387**

SEA GRANT AT A GLANCE – February 2014  
Leveraged funds (influenced): \$ **1,474,206**

Volunteer Hours: **63,120**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	5.75	6	3
Masters	7.75	16.25	7
PhD	4	19	3
Other professional degree	0	0	0

Total K-12 students reached through educators: **12,905**

Curricula developed: **17**

Number of Cumulative Clean Marina Program – Certifications: **88**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **77**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **50**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	9,963,965
Jobs Created	
Jobs Retained	200
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	11
Number of hazard resiliency trainings	56
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	3
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	16
Number of fishers who adopt and implement responsible harvesting techniques and practices.	354
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	336
Patents	
Tool Used by Stakeholders	12

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations



## LAKE CHAMPLAIN Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	
Extension	
Communication	
Education	

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	William B. Bowden
Extension	Jurij Homziak; William B. Bowden
Communication	
Education	

LC is a "(small)" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$637,142**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$645,001**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	1	0.2	
Communication	1	0.1	
Extension	5	1.75	
Education	10	0.5	1
Research	4	1.5	1

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	7%	4%
Research	27%	7%
Extension	66%	82%
Communication	0%	5%
Education	0%	0%
Placeholder		3%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	62%	75%
SSSS / SFA	0%	0%
SCD / RCE	0%	14%
HRCC	30%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	9%
other	7%	3%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/2014: Analysis of sediments, nutrients, and greenhouse gases associated with green stormwater infrastructure (Stephanie Hurley)

R/2015: Analysis of sediments, nutrients, and greenhouse gases associated with green stormwater infrastructure (Stephanie Hurley)

R/2016: Future competed research ()

R/2017: Future competed research ()

### 6. Program metrics (2012)

Number of peer reviewed publications: **1**

Leveraged funds (managed): **\$ 20,000**

Leveraged funds (influenced): **\$**

Volunteer Hours: **150**

Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	6	6	
Masters			

SEA GRANT AT A GLANCE – February 2014

PhD	1		
Other professional degree			

Total K-12 students reached through educators: **1,350**

Curricula developed:

Number of Cumulative Clean Marina Program – Certifications:

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

### 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>2</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	

### 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## VIRGINIA Sea Grant at a glance

### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	COURTNEY HARRIS; TROY HARTLEY
Extension	ARIEL PINTO; BENJAMIN MCFARLANE; DANIEL KAUFFMAN; LARRY ATKINSON; MICHAEL JAHNCKE; TANYA DENCKLA COBB; THOMAS MURRAY; TIMOTHY BEATLEY; TOM RIPPEN; TROY HARTLEY; VICKI CLARK
Communication	MARGARET PIZER; MARK BUTLER
Education	JOHN HOENIG; LISA LAWRENCE; ROBERT LATOUR; SUSAN PARK; TROY HARTLEY; VICKI CLARK

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Susan Park; Troy Hartley
Extension	Daniel Kauffman; Hans-Peter Plag; Larry Atkinson; Mary-Carson Saunders Stiff; Michael Jahncke; Michael Schwarz; Robert Lane; Shana Jones; TBD Faculty of Practice; Thomas Murray; Troy Hartley
Communication	MARGARET PIZER; MARK BUTLER
Education	Lisa Ayers Lawrence

VA is a "**Medium**" size Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,455,698**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,329,500**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	2.29	1.83	0.46
Communication	2.08	1.92	0.17
Extension	6.59	5.13	1.46
Education	2.6	2.19	0.41
Research	9.41	7.9	1.51

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	12%	21%
Research	34%	34%
Extension	37%	30%
Communication	6%	11%
Education	12%	5%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	19%	32%
SSSS / SFA	46%	47%
SCD / RCE	6%	6%
HRCC	12%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	16%
other	16%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/718505: Virginia Sea Grant Research Administration (Susan Park)

R/MARR14NJ-VA

: Understanding the impacts of climate change on the distribution, population connectivity, and fisheries for summer flounder (*Paralichthys dentatus*) in the Mid-Atlantic Bight (Virginia component) (Chris Kennedy)

### 6. Program metrics (2012)

Number of peer reviewed publications: **3**

Leveraged funds (managed): **\$ 14,400**

Leveraged funds (influenced): **\$ 426,615**

Volunteer Hours: **21,250**

Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	21	0	6
Masters	29	10	14
PhD	17	13	4
Other professional degree	2	0	2

SEA GRANT AT A GLANCE – February 2014

Total K-12 students reached through educators: **6,194**

Curricula developed: **3**

Number of Cumulative Clean Marina Program – Certifications: **70**

Number of HACCP -- Number of people with new certifications: **141**

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	<b>344,000</b>
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	<b>3</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>141</b>
Patents	<b>1</b>
Tool Used by Stakeholders	<b>3</b>

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## WASHINGTON Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	KAREN MOOSEKER; PENELOPE D. DALTON; RAECHEL WATERS
Extension	C. A. PETER GRANGER; DALTON, PENELOPE; GRANGER, C. PETER; GRANGER, C.PETER
Communication	DANIEL WILLIAMS
Education	DALTON, PENELOPE; RAECHEL WATERS

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Associate Director - TBD; Gwyn Hinton; Kate Litle; Penelope Dalton
Extension	Associate Director - TBD; Kate Litle; Megan Matthews; Penelope Dalton
Communication	DANIEL WILLIAMS
Education	

WA is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$6,020,611**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$4,555,296**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	8	0.9	4.01
Communication	8	2.32	1.52
Extension	25	7.28	8.21
Education	27	5.39	5.15
Research	81	11.06	3.67

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	14%	12%
Research	49%	47%
Extension	24%	41%
Communication	8%	0%
Education	5%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	31%	12%
SSSS / SFA	34%	9%
SCD / RCE	17%	7%
HRCC	10%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	1%
other	8%	71%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/2016-18-1: Competitive Research Funding 2016-2018 (Penelope Dalton)

R/COCC-4: Effects of Waterfront Stormwater Solution Prototypes on Water Quality Runoff in Penn Cove, Town of Coupeville. (Nancy Rottle)

R/HCE-1: Marine Survival of Puget Sound Chinook Salmon: Size-selective Mortality, Critical Periods, and Growth Limitation (David Beauchamp)

R/HCE-2: Evaluating Puget Sound Marine Protected Areas to Increase Social Ecological Resilience (Patrick Christie)

R/HCE-3: Shifting baselines in Puget Sound: population abundance of Pacific herring and its use by Native Americans over the millennia (Lorenz Hauser)

R/HCE-4: Measuring what matters: linking life history traits and disease resistance with genomic variation in Chinook salmon conservation hatcheries (Kerry Naish)

R/HCE-5: Fine Scale Monitoring of Puget Sound Ecosystems using Benthic Foraminifera (Elizabeth Nesbitt)

R/HCE-6: Understanding Potential Impacts of Seasonal Hypoxia Along the Quinault Reservation Coast (Ervin Joe Schumacker)

R/HCE-7: Effects of sediment porewater sulfide on eelgrass health, distribution and population growth in Puget Sound (David Shull)

SEA GRANT AT A GLANCE – February 2014

R/OLWD-1: Scaling Up Cost-Efficient Community Engagement in Coastal Resource Management (Julia Parrish)

R/RCE-1: The environmental and economic impacts of moorage marinas on the West Coast (Christine Bae)

R/RCE-2: Planning for Coastal Community Resilience to Tsunamis Using Transportation and Disaster Recovery Modeling (Scott Miles)

R/RCE-3: The Biological Effectiveness of Bioretention for Stormwater Pollution Control (John Stark)

R/SFA-1: Impacts of ocean acidification on wild and farmed mussels in Puget Sound, WA (Emily Carrington)

R/SFA-2: Crossbreeding and Selection for Resistance to Ocean Acidification in Pacific Oysters (Jonathan Davis)

R/SFA-3: A low-cost sensor network for early detection of Alexandrium and Heterosigma Harmful Algal Blooms in the Puget Sound region (Daniel Grunbaum)

R/SFA-4: Toward Sustainable Geoduck Aquaculture Management in Puget Sound: Assessing Policy and Social Dimensions (Clare Ryan)

R/SFA-5: An ecosystem modeling approach to investigate direct and indirect effects of geoduck aquaculture expansion in Washington State (Glenn R. VanBlaricom)

**6. Program metrics (2012)**

Number of peer reviewed publications: **25**

Leveraged funds (managed): **\$ 682,275**

Leveraged funds (influenced): **\$ 3,468,019**

Volunteer Hours: **18,658**

Student support

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	55	21	25
Masters	16	11	10
PhD	8	13	2
Other professional degree	0	0	0

Total K-12 students reached through educators: **4,393**

Curricula developed: **11**

Number of Cumulative Clean Marina Program – Certifications: **62**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **12**

Number of Resource managers who use ecosystem-based approaches in the management

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	2
Businesses Retained	
Economic Benefit	29,602,100
Jobs Created	20
Jobs Retained	227
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	3
Number of hazard resiliency trainings	7
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	24
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	9
Number of fishers who adopt and implement responsible harvesting techniques and practices.	1,992
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	1,587
Patents	3
Tool Used by Stakeholders	51

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## WISCONSIN Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	ANDERS ANDREN
Extension	DAVID HART; FRED P. BINKOWSKI; JAMES HURLEY; PHILIP B.MOY; PHILIP MOY
Communication	JOHN KARL; KEITH MEVERDEN; MOIRA HARRINGTON
Education	ANDERS ANDREN; CAROLINE JOYCE; MARY LOU REEB

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	James Hurley
Extension	Philip Moy
Communication	JOHN KARL; KEITH MEVERDEN; MOIRA HARRINGTON
Education	Cheryl Bauer-Armstrong; Richard Hall

WI is a "Large" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$3,455,797**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$2,943,200**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	7	0	2.41
Communication	12	0.42	6.73
Extension	38	4.57	8.58
Education	5	0.1	0.39
Research	53	11.11	4.49

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	16%	6%
Research	47%	24%
Extension	25%	29%
Communication	9%	16%
Education	3%	1%
Placeholder		25%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	44%	61%
SSSS / SFA	25%	3%
SCD / RCE	31%	5%
HRCC	0%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	1%
other	0%	30%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/HCE-12: Changing Benthic Metabolism in the Great Lakes (J. Val Klump)

R/HCE-13: Assessment of Beach Remediation Efforts at Select Lake Michigan Beaches (Gregory Kleinheinz)

R/HCE-14: An Ancient but Unrecognized Mechanism for Harvesting Light Energy in Great Lakes Bacterioplankton (Katherine McMahon)

R/HCE-15: A Tale of Two Beaches: Bridging the Research and Policy Gap to Improve Urban Beach Ecosystem Health (Sandra McLellan)

R/HCE-16: Role of Invasive Quagga Mussels in Regulating Organic Carbon Dynamics in Lake Michigan (Laodong Guo)

R/HCE-17: Constructing a Lake Michigan Nearshore Ecosystem Model (Harvey Bootsma)

R/HCE-18: Integrating Prior Vegetation Surveys to Test Spatial and Temporal Patterns of Wetland Floristic Quality in the St. Louis River Estuary (Nicholas Danz)

R/HCE-19: Modeling the Chequamegon Bay Ecosystem to Facilitate Climate Adaptation (Randy Lehr)

R/HCE-20: Investigate the Proliferation of Antimicrobial Resistance in Lake Michigan Coastal Waters (Krassimira Hristova)

R/HCE-21: Measuring iodine-131 in Coastal Lake Michigan: A Point Source Tracer for Wastewater (James Waples)

SEA GRANT AT A GLANCE – February 2014

R/HCE-22: The Basis for Microbially Mediated Mercury Methylation in Oxygen Depleted Zones of the Great Lakes (Katherine McMahon)

R/HCE-23: An In Situ Molecular Detection System for Microcystin Monitoring (Matthew Smith)

R/RCE-01: Estimating the Economic Benefits of the Wisconsin Great Lakes Sport Fishery (Daniel Phaneuf)

R/RCE-02: Development of Geo-Indicators for Assessment of Coastal Bluff Ecosystem in Lake Michigan for Regional Integrated Bluff Management (IBM) (Chin Wu)

R/SCD-06: Algal Bioremediation of Wastewater Inputs to Great Lakes Ecosystems (Erica Young)

R/SFA-08: Genetic Analysis of Virulence Factors of the Fish Pathogen Flavobacterium Columnare (Mark McBride)

R/SFA-09: Quantifying Coastal Wetland – Nearshore Linkages in Lake Michigan for Sustaining Sport Fishes (Patrick Forsythe)

## 6. Program metrics (2012)

Number of peer reviewed publications: **12**

Leveraged funds (managed): **\$ 219,552**

Leveraged funds (influenced): **\$**

Volunteer Hours: **3,761**

### Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	33	13	
Masters	5	15	7
PhD	5	8	1
Other professional degree	0	0	0

Total K-12 students reached through educators: **3,105**

Curricula developed: **7**

Number of Cumulative Clean Marina Program – Certifications: **3**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **1,230**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **1,038**

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	1
Businesses Retained	53
Economic Benefit	22,244,000
Jobs Created	36
Jobs Retained	190
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	4
Number of hazard resiliency trainings	4
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	70
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	17
Number of fishers who adopt and implement responsible harvesting techniques and practices.	2
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	12

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## WHOI Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	JUDITH MCDOWELL
Extension	DIANE MURPHY; GREG BERMAN; GREGORY BERMAN; JEFFREY DONNELLY
Communication	JEFFREY BRODEUR; KATHERINE MADIN
Education	JUDITH MCDOWELL

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Judith E. McDowell
Extension	Diane Murphy; Greg Berman; Jeffrey Brodeur
Communication	JEFFREY BRODEUR; KATHERINE MADIN
Education	Kathy Patterson; Laela Sayigh; M. Carla Curran

WHOI is a "Small" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$1,792,834**

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$1,777,532**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	4	0.25	0.75
Communication	3	0.87	0.63
Extension	4	2	2
Education	1	0.33	0.67
Research	30	3.42	1.7

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	1%	27%
Research	56%	33%
Extension	22%	39%
Communication	18%	0%
Education	3%	1%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	24%	86%
SSSS / SFA	34%	3%
SCD / RCE	14%	11%
HRCC	8%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	1%
other	20%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R/M-63-14: Shifts in greenhouse gas emissions and productivity of coastal wetlands in response to anthropogenic N loading and rising sea level (Serena Moseman-Valtierra)

R/M-64-14: Examining Significant Changes to the Nitrogen Cycle in Waquoit Bay (R.W. Fulweiler)

R/M-64-15: Examining Significant Changes to the Nitrogen Cycle in Waquoit Bay (R.W. Fulweiler)

R/M-65-14: The Impacts on Increased Nitrogen Loadings on Decomposition in Salt Marshes: Does Eutrophication Enhance Marsh Accretion or Erosion? (Anne Giblin)

R/M-65-15: The Impacts on Increased Nitrogen Loadings on Decomposition in Salt Marshes: Does Eutrophication Enhance Marsh Accretion or Erosion? (Anne Giblin)

R/M-66-14: Nitrogen Pollution and Recovery from Nitrogen Pollution in a Seagrass-Dominated Estuary: A Whole Ecosystem Experiment (Robert W. Howarth)

R/M-66-15: Nitrogen Pollution and Recovery from Nitrogen Pollution in a Seagrass-Dominated Estuary: A Whole Ecosystem Experiment (Robert W. Howarth)

R/M-66-16: Nitrogen Pollution and Recovery from Nitrogen Pollution in a Seagrass-Dominated Estuary: A Whole Ecosystem Experiment (Robert W. Howarth)

R/M-67-14: Behavioral Responses of Competent Larval Oysters (*Crassostrea virginica*) to Chemical Settlement Cues in Turbulent Flow (Jeanette Wheeler)

SEA GRANT AT A GLANCE – February 2014

R/M-67-15: Behavioral Responses of Competent Larval Oysters (*Crassostrea virginica*) to Chemical Settlement Cues in Turbulent Flow (Jeanette Wheeler)

R/NERR--1-WH-14: Coastal Hazards and Northeast Housing Values: Comparative Implications for climate Change Adaptation and Community Resilience (Robert J. Johnston)

R/O-48-14: Reconciling Distributional Patterns With Foraging Processes in an Ecological Hotspot: Aggregation of Humpback Whales, Prey Abundance and the Distribution, and Shoaling of Non-Linear Internal Waves (Jesus Pineda)

R/O-49-15: Development of an Automatic Mass Stranding Alert System (Laela Sayigh)

R/O-49-16: Development of an Automatic Mass Stranding Alert System (Laela Sayigh)

R/O-50-15: "Rust Tides" of the Toxic Dinoflagellate *Cochlodinium polykrikoides* in Buzzards Bay (Jefferson Turner)

R/O-50-16: "Rust Tides" of the Toxic Dinoflagellate *Cochlodinium polykrikoides* in Buzzards Bay (Jefferson Turner)

R/O-51-14: Modeling Shoreline Morphological Evolution (Steve Elgar)

R/O-51-15: Modeling Shoreline Morphological Evolution (Steve Elgar)

R/P-80-14: Molecular Risk Assessment in Wildlife Using a Non-Destructive Assay (Sibel Karchner)

R/P-80-15: Molecular Risk Assessment in Wildlife Using a Non-Destructive Assay (Sibel Karchner)

R/P-NERR-1-WH-15: Coastal Hazards and Northeast Housing Values: Comparative Implications for climate Change Adaptation and Community Resilience (Robert J. Johnston)

R/P-NERR-2-WH-14: Buy Out or Build Back? A Comparative Assessment of Approaches to Employing Public Funding to Vulnerable Coastal Properties in the Northeastern United States (Porter Hoagland)

R/P-NERR-2-WH-15: Buy Out or Build Back? A Comparative Assessment of Approaches to Employing Public Funding to Vulnerable Coastal Properties in the Northeastern United States (Porter Hoagland)

## 6. Program metrics (2012)

Number of peer reviewed publications: **1**

Leveraged funds (managed): \$

Leveraged funds (influenced): \$

Volunteer Hours: **1,680**

Student support

SEA GRANT AT A GLANCE – February 2014

	<b>New Students</b>	<b>Continuing Students</b>	<b>Degrees Awarded</b>
Undergraduate	4	0	0
Masters	8	1	0
PhD	1	1	1
Other professional degree	0	0	0

Total K-12 students reached through educators: **4,050**

Curricula developed:

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities: **28**

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities: **420**

## 7. Program performance measures (2012)

<b>Measure</b>	<b>Actual</b>
Businesses Created	
Businesses Retained	
Economic Benefit	<b>2,630,682</b>
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	<b>14</b>
Number of hazard resiliency trainings	<b>27</b>
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	<b>17</b>
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	<b>8</b>
Number of fishers who adopt and implement responsible harvesting techniques and practices.	<b>300</b>
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	<b>18,000</b>
Patents	
Tool Used by Stakeholders	<b>8</b>

## 8. Selected impacts (2012)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## **9. Selected research accomplishments (2012)**

Program Officer – Please list the 2 most significant research accomplishments

## **10. RFP process (2013)**

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## LAW CENTER Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	
Extension	
Communication	
Education	FRALEY, JILL M.; HARTLEY, TROY W.; ROWE, PETER M.

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	
Extension	
Communication	
Education	

LAW is a "" Program.

Total funding (SG + Match + Pass Through) in 2012: **\$406,142**

Average yearly funding (SG + Match) requested in 2014 omnibus: \$

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	2	1.4	0.3
Communication	1	0.75	
Extension	1	1	
Education			
Research			

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	95%	0%
Research	0%	0%
Extension	0%	0%
Communication	0%	0%
Education	5%	0%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	26%	0%
SSSS / SFA	23%	0%
SCD / RCE	23%	0%
HRCC	29%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	0%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

### 6. Program metrics (2012)

Number of peer reviewed publications: **4**

Leveraged funds (managed): **\$ 23,000**

Leveraged funds (influenced): **\$**

Volunteer Hours:

Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	0	0	0
Masters	0	0	0
PhD	0	0	0
Other professional degree	1	1	1

Total K-12 students reached through educators:

Curricula developed:

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	1
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

Program Officer - Please explain the Program’s RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations

## GUAM Sea Grant at a glance

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### 1. Program management

PIs of 2012 projects

FUNCTION	PIs of PROJECTS
Management	
Extension	DR. LAURA BIGGS; LAURA BIGGS
Communication	
Education	

PIs in 2014 omnibus proposal

FUNCTION	PIs of PROJECTS
Management	Dr. Laura Biggs
Extension	Dawn Kotowicz; Dr. Laura Biggs
Communication	
Education	Dr. Cheryl Sanguenza; Dr. Laura Biggs; Joyce Beouch

GU is a "(small)" Program.

Total funding (SG + Match + Pass Through) in 2012: \$

Average yearly funding (SG + Match) requested in 2014 omnibus: **\$391,806**

### 2. Staffing (2012)

Sea Grant Staffing	No. of individuals	SG FTEs	Match/other FTEs
Administrative	0.7		0.7
Communication	2	0.25	0.25
Extension	0.5	0.5	0
Education	0.5	0.5	0
Research	0.25		0.25

### 3. Distribution of effort by functional area

Functional Area	In 2012	Proposed for 2014-17
Management	0%	1%
Research	0%	21%
Extension	0%	40%
Communication	0%	9%
Education	0%	29%
Placeholder		0%

### 4. Distribution of effort by focus area

Functional Area	In 2012	Proposed for 2014-17
HCE	0%	0%
SSSS / SFA	0%	0%
SCD / RCE	0%	0%
HRCC	0%	- merged to RCE in 2014 plan -
ELWD	- not in 2012 plan -	0%
other	0%	100%

### 5. Upcoming Research Projects (from 2014 omnibus proposal)

R-1, E-2: Understanding Perceptions Towards Teaching STEM on Guam (Dr. Laura Biggs)

R-2: Sea Grant Fellowships (Dr. Jason Biggs)

### 6. Program metrics (2012)

Number of peer reviewed publications:

Leveraged funds (managed): **\$ 189,950**

Leveraged funds (influenced): **\$**

Volunteer Hours: **300**

Student support

	New Students	Continuing Students	Degrees Awarded
Undergraduate	0	0	0
Masters	0	0	0
PhD	0	0	0
Other professional degree	0	0	0

Total K-12 students reached through educators: **3,275**

Curricula developed: **4**

Number of Cumulative Clean Marina Program – Certifications: **0**

Number of HACCP -- Number of people with new certifications:

Number of Acres of degraded ecosystems restored as a result of Sea Grant activities:

Number of Resource managers who use ecosystem-based approaches in the management of land, water, and living resources in ocean, coastal and Great Lakes areas as a result of Sea Grant activities:

## 7. Program performance measures (2012)

Measure	Actual
Businesses Created	
Businesses Retained	
Economic Benefit	
Jobs Created	
Jobs Retained	
Number of coastal communities that have adopted or implemented hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events	
Number of hazard resiliency trainings	
Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	
Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	
Number of fishers who adopt and implement responsible harvesting techniques and practices.	
Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	
Patents	
Tool Used by Stakeholders	

## 8. Selected impacts (2012)

Program Officer - Please select no more than 3 Impact statements; please paraphrase or bullet – do not post entire impact statement; please state focus area

## 9. Selected research accomplishments (2012)

Program Officer – Please list the 2 most significant research accomplishments

## 10. RFP process (2013)

SEA GRANT AT A GLANCE – February 2014

Program Officer - Please explain the Program's RFP process in a few bullets; If similar to 2012 process, can look at: P:\1 New NSGO\PIE\Evaluation\NSGO Annual Review\Jan 2012 Review\Program presentations