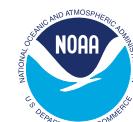




# South Carolina Sea Grant Consortium

House Ways and Means  
December 20, 2021



**Sea Grant** | S.C. SEA GRANT CONSORTIUM  
*Coastal Science Serving South Carolina*

# In Attendance



Susan LOVELACE,  
Ph.D.

*Executive Director  
and POC*



Ryan BRADLEY

*Assistant  
Director for  
Administration*

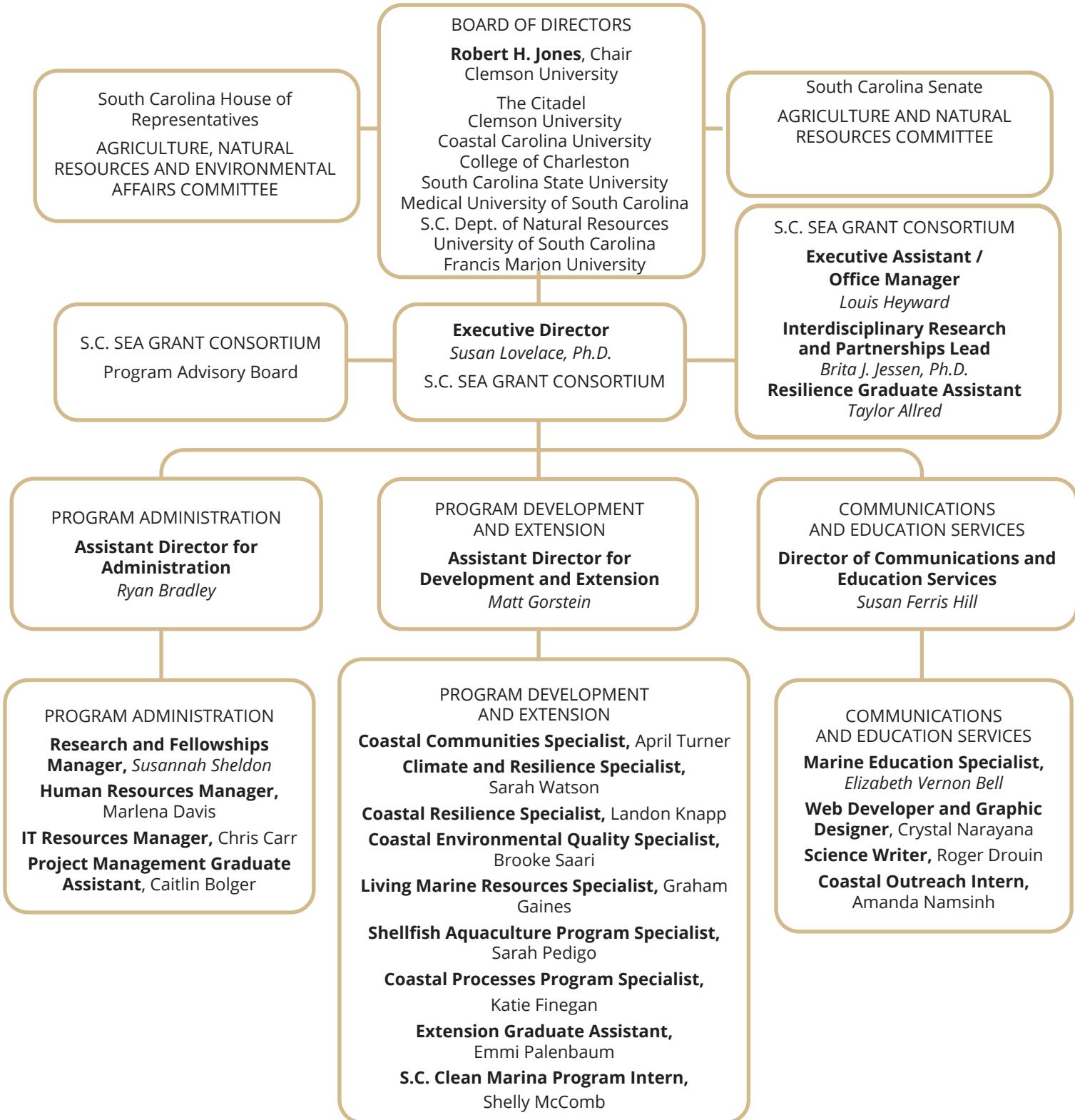


Board of Directors Chair

Robert H. Jones, Ph.D.

*Provost, Clemson University  
(attendance tbd)*

# S.C. SEA GRANT CONSORTIUM ADMINISTRATIVE ORGANIZATIONAL CHART



<b>AGENCY NAME:</b>	<b>SEA GRANTS CONSORTIUM</b>		
<b>AGENCY CODE:</b>	P260	<b>SECTION:</b>	048

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## **Fiscal Year 2020–2021 Accountability Report**

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### **SUBMISSION FORM**

I have reviewed and approved the data submitted by the agency in the following online forms:

- Reorganization and Compliance
- Strategic Plan Results
- Strategic Plan Development
- Legal
- Services
- Partnerships
- Report or Review

I have reviewed and approved the financial report summarizing the agency's budget and actual expenditures, as entered by the agency into the South Carolina Enterprise Information System.

The information submitted is complete and accurate to the extent of my knowledge.

<b>AGENCY DIRECTOR (SIGN AND DATE):</b>	Signature on file.
<b>(TYPE/PRINT NAME):</b>	Susan Lovelace

<b>BOARD/CMSN CHAIR (SIGN AND DATE):</b>	Signature on file.
<b>(TYPE/PRINT NAME):</b>	Robert H. Jones

**FY 2020-2021 Agency Accountability Report**  
**Reorganization and Compliance Responses:**

**These responses were submitted for the FY 2020-2021 Accountability Report by the**

**SEA GRANT CONSORTIUM**

**Primary Contact:**

First Name	Last Name	Role/Title	Phone	Email Address
Susannah	Sheldon	Research and Fellowships Manager	843-953-2078	susannah.sheldon@scseagrant.org

**Secondary Contact**

First Name	Last Name	Role/Title	Phone	Email Address
Susan	Lovelace	Executive Director	843-953-2078	susan.lovelace@scseagrant.org

**Agency Mission**

The S.C. Sea Grant Consortium supports integrated research, education, and extension programs that align with our mission of generating and applying science-based information on issues and opportunities to enhance the practical use and conservation of coastal and marine resources to foster a sustainable economy and environment.

**Adopted in:** 2017

**Agency Vision**

The Consortium's commitment to diversity, equity, and inclusion creates a culture of belonging where all people are treated with dignity and respect, and have equitable access to resources, opportunities, and outcomes.

**Adopted in:** 2017

**Recommendations for reorganization requiring legislative change.**

No

**Please list significant events related to the agency that occurred in FY 2020-2021.**

Month Started	Month Ended	Description of Event	Agency Measures Impacted	Other Impacts
August	January	New executive director hired	None	

**Does the agency intend to make any other major reorganization to divisions, departments, or programs to allow the agency to operate more effectively and efficiently in FY 2021-22?**

**Note:** It is not recommended that agencies plan major reorganization projects every year. This section should remain blank unless there is a need for reorganization.

No

**Is the agency in compliance with S.C. Code Ann. § 2-1-220, which requires submission of certain reports to the Legislative Services Agency for publication online and the State Library? See also S.C. Code Ann. § 60-2-20.**

Yes

**If not, please explain why.**

**Is the agency in compliance with various requirements to transfer its records, including electronic ones, to the Department of Archives and History? See the Public Records Act (S.C. Code Ann. § 20-1-10 through 20-1-180) and the South Carolina Uniform Electronic Transactions Act (S.C. Code Ann. § 26-6-10 through 26-10-210).**

Yes

**Does the law allow the agency to promulgate regulations?**

No



## SOUTH CAROLINA SEA GRANT CONSORTIUM

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The S.C. Sea Grant Consortium is committed to optimizing the balance among economic, social, and environmental potential of the state's coastal and marine resources through the support of integrated research, education, and extension programs. The Consortium is also interested in addressing the uncertainty that change brings with it to the coastal region, and how we as a state and as a society can adapt and prosper. It does so by engaging the talents and expertise found at South Carolina's leading academic and research institutions to increase our knowledge about the natural, cultural, and social environments of South Carolina and the region, and to use it to inform the decision-making process. <https://www.scseagrant.org/about-us/>

### ORGANIZATION

The Consortium is a nationally certified Sea Grant College Program under the auspices of the National Sea Grant College Program, NOAA, U.S. Department of Commerce. Consortium member institutions are Clemson University, Coastal Carolina University, College of Charleston, Medical University of South Carolina, South Carolina Department of Natural Resources, South Carolina State University, The Citadel, and University of South Carolina.

The Consortium Board of Directors consists of the CEOs of the Consortium's member institutions:

- Dr. Robert H. Jones, Provost, Clemson University – Chair
- Dr. James P. Clements, President, Clemson University
- Col. Alexander Conyers, Interim President, South Carolina State University
- Dr. Michael T. Benson, President, Coastal Carolina University
- Dr. Andrew T. Hsu, President, College of Charleston
- Dr. David J. Cole, President, Medical University of South Carolina
- Mr. Robert H. Boyles, Jr., Director, S.C. Department of Natural Resources
- General Glenn M. Walters, President, The Citadel
- Dr. Harris Pastides, Interim President, University of South Carolina

### STRATEGIC AND IMPLEMENTATION PLANNING

The S.C. Sea Grant Consortium is currently operating under an updated (2020) FY2018-23 Strategic Plan titled "The Changing face of South Carolina: Building a resilient Future." <https://www.scseagrant.org/strategic-plan/> The agency's strategic plan has specific performance measures and target metrics for its three strategic administrative and management areas, which include (1) Planning, Program Management, and Overall Performance, (2) Connecting with Users, and (3) Human Resources. In addition, the Consortium has outlined specific vision statements, goals, objectives, strategies, performance measures and metrics for each of the agency's five strategic programmatic focus areas: (1) Healthy Coastal Ecosystems, (2) Sustainable Coastal Development and Economy, (3) Weather and Climate Resilience, (4) Sustainable Fisheries and Aquaculture, and (5) Scientific Literacy and Workforce Development. The Consortium employs a number of stakeholder mechanisms to ensure that program efforts are relevant and timely, including a 30-member Program Advisory Board and seven program-specific advisory committees.

## PERFORMANCE MEASURES AND METRICS

The Consortium's current Strategic Plan includes several dozen performance measures and metrics which are tracked on an annual basis. The Consortium's FY20-21 State Accountability Report is focused on the goals and objectives, and the resultant outputs and outcomes, which make up its three strategic administrative and management areas. Updates on these metrics are presented to the Consortium Board of Directors (at its Board meeting), the State of South Carolina (through the agency's State Accountability Report), and the NOAA National Sea Grant College Program (through formal reporting) on an annual basis.

## IMPACTS AND ACCOMPLISHMENTS

Despite the pandemic we reported to the NOAA Sea Grant College Program 73 impacts and accomplishments, 71 products, 81 trainings and \$2,562,737 in economic benefits for the state between February 1, 2020-January 31, 2021, our federal reporting period. <https://www.scseagrant.org/performance-and-accountability/> These span five themes:

- ° Healthy coastal ecosystems
- ° Sustainable coastal development and economy
- ° Weather and climate resilience
- ° Sustainable fisheries and aquaculture
- ° Scientific literacy and workforce development

## INFORMATION DELIVERY

The Consortium has become a primary source of information for coastal and marine information and assistance. This occurs through the interactions of Extension staff with coastal constituents, through communications such as *Coastal Heritage* magazine and through the Consortium's website (www.scseagrant.org). During FY20-21, the Consortium website received 90,041 page views from 46,420 unique visitors. The Consortium's communications and education specialists produce award-winning and relevant products and services including a South Carolina Notable State Document award for *Assessing South Carolina's Ocean Economy*. <https://www.scseagrant.org/assessing-south-carolinas-ocean-economy/> The Consortium continued its successful e-news brief called *CoastalScience@Work* to keep key state leaders and decision-makers aware of Consortium programs, activities, and impacts.

## AGENCY STAFFING

The Consortium holds 17 state FTE positions. In addition, the Consortium currently has two temporary grant positions (time-limited) and no current vacant positions at the time of this reporting submission.

## BUDGET SITUATION AND FUTURE

The Consortium continues to foster efficiencies in its staffing. The agency has brought in young talent and fresh thinking to fill key staff vacancies and newly created positions, the new staff have complemented the remaining veteran staff, and the Consortium is providing more formal graduate student internship experiences to assist its administrative and professional staff with programming and projects.

This year the agency was successful in receiving additional recurring funding, \$35,000 for increasing office lease rates and \$30,000 for an undergraduate resilience research scholars program that is focused on increasing diverse students in resilience research. Due to a very successful national review, the Consortium has recently been able to secure a federal merit increase of \$173,619 starting in February 2022, that will provide for increased agency costs such as telecommunications. Agency leadership recognizes that the state budget will be limited by resource availability, and thus discussions about means by which Consortium support can be sustained, increased, and diversified will continue with the Consortium's Board of Directors, Program Advisory Board, and the S.C. General Assembly.

## EXTRAMURAL FUNDING AND THE STATE BUDGET

The Consortium continues to demonstrate its ability to secure competitive extramural funding for its programs,

which tempers its need to approach the S.C. General Assembly for state funding. At the federal level, the NOAA National Sea Grant College Program received a FY2020-21 appropriation of \$88 million, \$1 million more than its FY20 appropriation. Of that amount, Congress directed Sea Grant to allocate \$13 million to aquaculture research and outreach. The Consortium has been successful in obtaining additional competitive grant funding from the National Sea Grant Office during this period to support workshops and programmatic activities.

The Consortium increased its extramural support by almost 38% during FY2020-21; from a modest \$1.9 million in FY2019-20 to \$2.7 million over the past twelve months. Additionally, the agency continues those successes into the first three months of the current FY2021-22, such as the receipt of a \$298,000 grant to understand the impacts of saltwater intrusion on municipal infrastructure, and expects another substantial return-on-investment to our State Appropriations for the remainder of the year pending decisions at the federal level.

## RETURN-ON-INVESTMENT

The Consortium benefited from additional state recurring funds over the past five years which enables it to meet both the administrative and programmatic needs of the agency, and thus address the growing needs of its diverse constituencies. Over the last 10 years, the Consortium has secured almost \$28 million in non-state competitive funding from a state investment of 6.3 million; a **435% return** on the state's investment.

Over the last five years, the Consortium's annual Return-on-Investment is as follows:

Fiscal Year	State	Non-State	Total	ROI
2016-17	\$ 651,881	\$ 2,194,155	\$ 2,846,036	337%
2017-18	\$ 671,118	\$ 2,298,644	\$ 2,969,762	343%
2018-19	\$ 727,461	\$ 1,672,326	\$ 2,399,787	230%
2019-20	\$ 736,496	\$ 1,951,678	\$ 2,688,174	265%
2020-21	\$ 736,496	\$ 2,691,511	\$ 3,428,007	365%

**435%**

**10-Year Return on State Investment**

## RISK ASSESSMENT AND MITIGATION STRATEGIES

The Consortium is constantly engaged in short-term and long-term analyses of its programs, activities, and accountability measures. Despite recent federal administration proposals to "zero-out" the NOAA National Sea Grant College Program, the strength of the program to the states has been an important factor in continued funding and increased service to our businesses, communities, and residents. The agency is building awareness among state and national leaders to the Consortium's numerous, extremely diverse, and supportive cast of stakeholders, constituents, and communities, including the state's General Assembly and our U.S. Congressional delegation, with whom we partner, serve, and depend on. It is with this support that the National Sea Grant College Program and the Consortium survive financial challenges, and sustain positive outcomes.

What the state would lose with the Consortium's demise would be what the National Sea Grant Site Visit team stated: the Consortium is recognized as an intellectual leader within the State; is nimble, flexible, adaptable, and relevant; is recognized as an honest broker of information and assistance for coastal and ocean issues; and recognized for its non-advocacy. The state and its citizens would also lose a significant return on its investment, both in financial and societal terms.

## RESTRUCTURING RECOMMENDATIONS

We have no recommendations for restructuring at this time.

## FY 2020-2021 Agency Accountability Report

### FY2020-21 Strategic Plan:

These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM





FY 2020-2021 Agency Accountability Report

## FY2021-22 Strategic Plan:

These responses were submitted for the FY 2020-2021 Accountability Report by the  
**SEA GRANT CONSORTIUM**





FY 2020-2021 Agency Accountability Report

**Budget Responses:**

These responses were submitted for the FY 2020-2021 Accountability Report by the

**SEA GRANT CONSORTIUM**

			FY 2020-21 Expenditures (Actual)				FY 2021-22 Expenditures (Projected)			
State Funded Program Number	State Funded Program Title	Description of State Funded Program	General	Other	Federal	<b>TOTAL</b>	General	Other	Federal	<b>TOTAL</b>
0100.000000.000	Administration	The principal purpose of the consortium is to provide a mechanism for the development and management of the Sea Grant Program for South Carolina and adjacent regions that share a common environment and resource heritage. The consortium serves to support, improve, and share research, education, training, and advisory services in fields related to ocean and coastal resources.	\$620,896.00	\$5,689.00	\$1,398,663.00	<b>\$2,025,248.00</b>	\$660,741.00	\$450,000.00	\$4,334,808.00	<b>\$5,445,549.00</b>
9500.050000.000	State Employer Contributions	The principal purpose of the consortium is to provide a mechanism for the development and management of the Sea Grant Program for South Carolina and adjacent regions that share a common environment and resource heritage. The consortium serves to support, improve, and share research, education, training, and advisory services in fields related to ocean and coastal resources.	\$166,642.00		\$255,005.00	<b>\$421,647.00</b>	\$159,981.00		\$215,192.00	<b>\$375,173.00</b>

## FY 2020-2021 Agency Accountability Report

## Legal Responses:

These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM

Description	Purpose	Law Number	Jurisdiction	Type	Notes
Creation of consortium. There is hereby created the South Carolina Sea Grant Consortium (consortium).	Not related to agency deliverable	Code of South Carolina: Title 48, Chapter 45, Section 48-45-10 (1978 Act No. 643, Section 1.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support
Effect of consortium on member institutions and commissions. Membership in the consortium shall be in no way infringe upon the autonomy of any member institution or commission. The consortium shall have no authority or control in the budgeting or financial affairs of member institutions or commissions.	Not related to agency deliverable	Code of South Carolina: Title 48, Chapter 45, Section 48-45-100 (1978 Act No. 643, Section 10.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support
Purpose of consortium. The principal purpose of the consortium is to provide a mechanism for the development and management of the Sea Grant Program for South Carolina and adjacent regions that share a common environment and resource heritage. The consortium serves to support, improve, and share research, education, training, and advisory services in fields related to ocean and coastal resources. The consortium further encourages and follows a regional approach to solving problems or meeting needs relating to ocean and coastal resources in cooperation with appropriate institutions, programs, and persons in the region.	Report our agency must/may provide	Code of South Carolina: Title 48, Chapter 45, Section 48-45-20 (1978 Act No. 643, Section 2; 1987 Act No. 71, Section 1.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support
Membership; terms. The membership of the consortium consists of The Citadel, the College of Charleston, Clemson University, the Medical University of South Carolina, South Carolina State College, the University of South Carolina, and the Department of Natural Resources. These members are designated as charter members. The terms of the members are perpetual, and a majority of the charter members may vote the admission of a new member into the consortium.	Not related to agency deliverable	Code of South Carolina: Title 48, Chapter 45, Section 48-45-40 (1978 Act No. 643, Section 4; 1987 Act No. 71, Section 2; 1993 Act No. 181, Section 1237.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support

**These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM**

Description	Purpose	Law Number	Jurisdiction	Type	Notes
Board of directors. The board of directors for the consortium consists of the chief executive officer of each of the participating educational institutions and state agencies or the officer's designee.	Not related to agency deliverable	Code of South Carolina: Title 48, Chapter 45, Section 48-45-50 (1978 Act No. 643, Section 5; 1987 Act No. 71, Section 3.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support
Officers. The officers of the board are the chairman and vice-chairman. These officers must be elected annually by members of the board but may not serve more than two consecutive terms.	Not related to agency deliverable	Code of South Carolina: Title 48, Chapter 45, Section 48-45-60 (1978 Act No. 643, Section 6; 1987 Act No. 71, Section 4.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support
Consortium Director; powers and duties. (A)The board has the power to employ an executive director to be known as the Consortium Director. The salary and fringe benefits appropriated to the position must be derived from funds directly assigned to the consortium for this purpose by the General Assembly. (B) The director has the following powers and duties to: (1) direct supervision over all consortium proposals; (2) prepare consortium proposals to be submitted to interested agencies; (3) prepare an annual summary of all submitted proposals; (4) negotiate funding levels for proposals submitted by member institutions; (5) provide an accounting to the board of the director's development funds; (6) request and receive funds from local, state, federal, and private sources for use by the director, consortium, individual member institutions, or other persons; (7) gather, maintain, and make available to interested persons natural resource information from state and federal agencies, higher education institutions, and any other appropriate entity; (8) designate the location of the consortium office, subject to the approval of the board; (9) exercise all incidental powers necessary to carry out the provisions of this chapter.	Report our agency must/may provide	Code of South Carolina: Title 48, Chapter 45, Section 48-45-70 (1978 Act No. 643, Section 7; 1987 Act No. 71, Section 5.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support

**These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM**

Description	Purpose	Law Number	Jurisdiction	Type	Notes
Advisory committee; members; terms. There is hereby created an advisory committee to the Consortium Director to consist of seven members who shall serve for terms of four years and until their successors are appointed and qualified. Four members must be appointed by the Governor. The chairmen of the Senate Fish, Game and Forestry Committee, House Agriculture and Natural Resources Committee, and Department of Natural Resources Board shall each appoint one member upon the recommendation of a majority of the members of their respective committees and commissions. The four members appointed by the Governor must be residents of coastal counties, no more than one from each county, and two must be associated with the commercial fishing industry.	Not related to agency deliverable	Code of South Carolina: Title 48, Chapter 45, Section 48-45-80 (1978 Act No. 643, Section 8; 1987 Act No. 71 Section 6; 1993 Act No. 181, Section 1238; 2008 Act No. 273, Section 9, eff June 4, 2008.)	State	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support
Creation of committee; membership. To aid in the development of the Statewide Resilience Plan, there is created the Statewide Resilience Plan Advisory Committee. The committee must be composed of: (1) the Director of the Department of Natural Resources, or his designee; (2) the Director of the Department of Insurance, or his designee; (3) a representative of the South Carolina Disaster Recovery Office appointed by the Chief Resilience Officer; (4) the Commissioner of Agriculture, or his designee; (5) the Director of the South Carolina Emergency Management Division, or his designee; (6) the Executive Director of the Sea Grant Consortium, or his designee; and (7) the Secretary of the Department of Commerce, or his designee. (B) In addition to the members set forth in subsection (A), the Chief Resilience Office may add members to the advisory board as he deems necessary and proper. All governmental agencies must cooperate with the advisory board to fulfill its mission. HISTORY: 2020 Act No. 163 (S.259), Section 1.A, eff September 29, 2020.	Board, commission, or committee on which someone from our agency must/may serve	Code of South Carolina: Title 48, Chapter 62, Article I, SECTION 48-62-40.	State	Statute	
Allows the agency to use funds that are generated by the sale of pamphlets, books, and other promotional materials, the production of which has been paid for by non-state funding, as other funds for the purchase of additional pamphlets, books, and other promotional materials for distribution to the public.	Report our agency must/may provide	Proviso 48.1	State	FY 2019-20 Proviso	Pamphlets, books, and other promotional materials
This legislation authorizes the establishment and operation of sea grant colleges and programs to increase the understanding, assessment, development, management, utilization, and conservation of the Nation's ocean, coastal, and Great Lakes resources. Sea Grant provides assistance to promote a strong educational base, responsive research and training activities, broad and prompt dissemination of knowledge and techniques, and multidisciplinary approaches to environmental problems. There are presently 33 Sea Grant College Programs in the United States.	Report our agency must/may provide	U.S. Code, Title 33, Section 1121 et seq. (National Sea Grant College and Program Act of 1966, as amended).	Federal	Statute	Coastal and marine-related science-based information, advisory services, education, and program management and support

**FY 2020-2021 Agency Accountability Report  
Services Responses:**

**These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM**

Description of Service	Description of Direct Customer	Customer Name	Others Impacted By the Service	Agency unit providing the service	Description of agency unit	Primary negative impact if service not provided
The agency generates science-based information, products, tools, technologies, and services delivers information for its targeted stakeholders (e.g., citizens, business and industry representatives, teachers, local and state government officials).	The customers we serve are itemized as Targeted Stakeholders [S] in the Partners Excel template. [We have itemized the organizations (customers) that we serve on the Partners Excel template into five categories: Collaborator (C); Funding Organization (F); Authorizing Body (A) ; Program Partner (PP); and Targeted Stakeholder (S).]	Stakeholders	Residents and visitors	Research and Education	Organize and implement research and education projects and programs which address priority needs as identified by the agency's stakeholders and constituencies in its strategic plan, which engage the faculty and staff of its 8 member institutions (The Citadel, Clemson Univ., College of Charleston, Medical Univ. of S.C., S.C. State Univ., S.C. Department of Natural Resources, Coastal Carolina Univ., and Univ. of South Carolina) and others. The National Sea Grant College Program (Title 33, Chapter 22, Subchapter II, U.S. Code of Laws) is the Consortium's core federal funding source as per the agency's legislative mandate (48-45-10 to 100 Code of Laws of South Carolina), which also mandates the Consortium to seek funding from other federal and non-federal sources.	Lack of and/or lack of access to science-based information for decision-making
The agency delivers science-based information, products, tools, technologies, and services delivers information for its targeted stakeholders (e.g., citizens, business and industry representatives, teachers, local and state government officials).	The customers we serve are itemized as Targeted Stakeholders [S] in the Partners Excel template. [We have itemized the organizations (customers) that we serve on the Partners Excel template into five categories: Collaborator (C); Funding Organization (F); Authorizing Body (A) ; Program Partner (PP); and Targeted Stakeholder (S).]	Stakeholders	Residents and Visitors	Communications and Information Services	Generate communications products (print, media, Web-based) which inform and educate citizens and stakeholders about the issues relevant to the economic, environmental and educational quality of life along the coast and throughout South Carolina (e.g., Coastal Heritage magazine), and support community-based volunteerism through marine litter and habitat restoration projects (e.g., Beach Sweep/River Sweep; Oyster Reef Restoration). Activities of the Consortium are prescribed under Sections 48-45-10 to 100 of the Code of Laws of South Carolina.	Lack of and/or lack of access to science-based information for decision-making

**These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM**

Description of Service	Description of Direct Customer	Customer Name	Others Impacted By the Service	Agency unit providing the service	Description of agency unit	Primary negative impact if service not provided
Extension seeks to ensure that (1) problems and needs of those who live and work along the coast are accurately identified, (2) research projects and programs are effectively providing the necessary science-based information, and (3) this information is delivered to target audiences in a timely fashion and "user-friendly" format.	The customers we serve are itemized as Targeted Stakeholders [S] in the Partners Excel template. [We have itemized the organizations (customers) that we serve on the Partners Excel template into five categories: Collaborator (C); Funding Organization (F); Authorizing Body (A) ; Program Partner (PP); and Targeted Stakeholder (S).]	Stakeholders	Residents and Visitors	Extension Program	Develop and deliver directed extension, advisory service, and technical assistance programs (such as workshops, seminars, constituent meetings, etc.) to targeted stakeholders and constituencies, focusing on issues related to coastal hazards, environmental and water quality, coastal business and economics, fisheries, aquaculture, and coastal community development. Activities of the Consortium are prescribed under Sections 48-45-10 to 100 of the Code of Laws of South Carolina.	Lack of and/or lack of access to science-based information for decision-making
Efficiency in the Consortium's administrative functions is key to its ability to serve its member institutions and its stakeholders alike. Therefore, the agency seeks to maximize the resources it brings to the state, address only the highest priority research, education, and extension needs of the state's citizenry, encourage professional development of its staff, and provide efficient administrative services.	The customers we serve are itemized as Targeted Stakeholders [S] in the Partners Excel template. [We have itemized the organizations (customers) that we serve on the Partners Excel template into five categories: Collaborator (C); Funding Organization (F); Authorizing Body (A) ; Program Partner (PP); and Targeted Stakeholder (S).]	Consortium Institutional Members, Stakeholders	Residents and Visitors	Administration	Provide executive leadership, support, strategic planning, program development and review, financial management, personnel services, procurement, grants administration, interagency billing, and other related administrative services. Activities of the Consortium are prescribed under 48-45-10 to 100 Code of Laws of South Carolina.	Lack of and/or lack of access to science-based information for decision-making

## FY 2020-2021 Agency Accountability Report

## Agency Partnerships Responses:

These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM

Name of Partner Entity	Type of Partner Entity	Description of Partnership
4Cs Breeding	Private Business Organization	Program Partner
Academic Magnet High School	K-12 Education Institute	Collaborator; Targeted Stakeholder
ACE Basin National Estuarine Research Reserve	Federal Government	Collaborator; Program Partner
AECOM	Private Business Organization	Funding Organization; Collaborator
Anderson Insurance	Other Organizations	Program Partner
Angling Women	Non-Governmental Organization	Collaborator; Program Partner
Applied Technology Management	Other Organizations	Program Partner
Army Corp of Engineers	Other Organizations	Program Partner
Ashley Hall Middle School and High School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Ashley Scenic River Advisory Council	Professional Association	Collaborator; Program Partner; Targeted Stakeholder
Ashley-Cooper Stormwater Education Consortium	Other Organizations	Program Partner
Atlantic Business Continuity Services	Private Business Organization	Program Partner; Collaborator
Atlantic Shield Insurance	Other Organizations	Program Partner
Atlantic States Marine Fisheries Commission	Federal Government	Collaborator
Barrier Island Oyster Co	Private Business Organization	Targeted Stakeholder
Barrier Island Oyster Co.	Private Business Organization	Collaborator; Targeted Stakeholder
Beaufort County	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Beaufort County Open Land Trust	Non-Governmental Organization	Targeted Stakeholder
Beaufort Kayak Tours	Private Business Organization	Collaborator; Program Partner
Bennettsville Rotary Club	Other Organizations	Collaborator
Berkeley County Water and Sanitation	Local Government	Collaborator
Berkeley-Charleston-Dorchester Council of Governments	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Black River Outdoor Center	Private Business Organization	Collaborator; Targeted Stakeholder
Blueway Adventures	Private Business Organization	Collaborator; Program Partner
BOEM South Carolina Offshore Renewable Energy Task Force	Federal Government	Collaborator
BoomTown!	Private Business Organization	Collaborator; Program Partner; Targeted Stakeholder
Boy Scouts of America	Non-Governmental Organization	Collaborator
Brain Power Software	Private Business Organization	Collaborator; Program Partner; Funding Organization
Bucksport Marina	Private Business Organization	Collaborator; Targeted Stakeholder
Buist Academy	K-12 Education Institute	Program Partner
Bunnelle Foundation	Other Organizations	Program Partner
California Institute for Water Resources	Higher Education Institute	Social Coast Forum to discuss how to incorporate trauma awareness into climate and risk communication.
Camp Discovery	Non-Governmental Organization	Collaborator; Program Partner
Carolina Boatyard	Private Business Organization	Collaborator; Targeted Stakeholder
Carolina Clear	Other Organizations	Collaborator; Program Partner
Carolina Common Enterprise	Non-Governmental Organization	Program Partner
Carolina Integrated Climate and Assessments	Other Organizations	Collaborator; Program Partner
Carolina Seafood- McClellanville	Private Business Organization	Collaborator; Targeted Stakeholder
Catch Together	Professional Association	The Consortium served as a liaison to help obtain funding on behalf of the South Carolina Seafood Alliance and the McClellanville Community Foundation, from Catch Together as well as from the USDA's Local Food Promotion Program.
Charles River Laboratories	Private Business Organization	Collaborator; Program Partner
Charles Towne Landing State Park	State Government	Collaborator
Charleston City Marina	Local Government	Collaborator; Targeted Stakeholder
Charleston County	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Charleston County Parks and Recreation Commission	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Charleston County School District	K-12 Education Institute	Collaborator; Program Partner

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SEA GRANT CONSORTIUM

Name of Partner Entity	Type of Partner Entity	Description of Partnership
Charleston Metro Chamber of Commerce	Professional Association	Collaborator; Program Partner
Charleston Oyster Farm	Private Business Organization	Targeted Stakeholder
Charleston Resilience Network	Non-Governmental Organization	Collaborator; Program Partner; Targeted Stakeholder
Charleston Riverkeeper	Non-Governmental Organization	Collaborator; Targeted Stakeholder
Charleston Sail and Power Squadron	Private Business Organization	Collaborator; Targeted Stakeholder
Charleston Water System	Local Government	Collaborator; Program Partner
Charleston Weather Service Office	Other Organizations	Collaborator; Program Partner
Chirping Birds Society	Other Organizations	Collaborator; Targeted Stakeholder
chswx.com	Private Business Organization	Program Partner; Collaborator
City of Beaufort	Local Government	Collaborator; Program Partner
City of Charleston	Local Government	Collaborator; Program Partner
City of Conway	Local Government	Collaborator; Targeted Stakeholder
City of Folly Beach	Local Government	Program Partner; Targeted Stakeholder; Collaborator
City of Georgetown	Local Government	Collaborator; Program Partner
City of Isle of Palms	Local Government	Collaborator; Program Partner
City of Mt Pleasant	Local Government	Program Partner; Targeted Stakeholder; Collaborator
City of Myrtle Beach	Local Government	Collaborator; Program Partner
City of North Charleston	Local Government	Program Partner; Targeted Stakeholder; Collaborator
City of North Myrtle Beach	Local Government	Collaborator; Program Partner
City of Surfside Beach	Local Government	Collaborator; Program Partner
Clemson Extension	Other Organizations	Program Partner
Clemson University Restoration Institute	Higher Education Institute	Collaborator
Coastal Discovery Museum	Other Organizations	Collaborator; Targeted Stakeholder
Coastal Expeditions	Private Business Organization	Collaborator; Program Partner
Coastal Waccamaw Stormwater Education Consortium	Other Organizations	Program Partner
Colleton State Park	State Government	Collaborator
Conee Foundation	Non-Governmental Organization	Collaborator; Program Partner; Targeted Stakeholder
Congaree Riverkeeper	Non-Governmental Organization	Collaborator; Targeted Stakeholder
Consortium for Ocean Leadership	Professional Association	Collaborator
Consortium Member Institutions (8)	Higher Education Institute	Program Partner
Conway Marina	Private Business Organization	Collaborator; Targeted Stakeholder
Crowfield Plantation Homeowners Assn.	Other Organizations	Collaborator; Targeted Stakeholder
Daufuskie Island Conservancy	Other Organizations	Collaborator; Targeted Stakeholder
Daufuskie Island Council	Other Organizations	Collaborator; Targeted Stakeholder
Debordieu Colony	Local Government	Collaborator; Targeted Stakeholder
Devils Fork State Park	State Government	Collaborator
Disaster +	Other Organizations	Program Partner
Dorchester County	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Dorchester County School District 2	K-12 Education Institute	Collaborator; Program Partner
East Carolina University	Higher Education Institute	Collaborator
East Cooper Land Trust	Non-Governmental Organization	Program Partner
Eastside Community Development Corporation	Non-Governmental Organization	Collaborator; Program Partner
Edisto Beach Lions Club	Other Organizations	Collaborator; Targeted Stakeholder
Edisto Beach State Park	State Government	Collaborator
Edisto Island U.S. Coast Guard Auxiliary	Other Organizations	Collaborator; Targeted Stakeholder
Edisto River Adventures	Private Business Organization	Collaborator; Targeted Stakeholder
eGroup	Private Business Organization	Collaborator; Program Partner
Environmental Resource Management	Private Business Organization	Collaborator; Targeted Stakeholder
Beach)	Other Organizations	Collaborator; Targeted Stakeholder

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Name of Partner Entity	Type of Partner Entity	Description of Partnership
Francis Marion University	Higher Education Institute	Collaborator; Program Partner
Friends of Edisto Beach State Park	Other Organizations	Collaborator; Targeted Stakeholder
Friends of Hunting Island State Park	Other Organizations	Collaborator; Targeted Stakeholder
Gap Girls Against Garbage	Other Organizations	Collaborator; Targeted Stakeholder
Gator Bait Adventure Tours	Private Business Organization	Collaborator; Targeted Stakeholder
Georgia Institute of Technology	Higher Education Institute	Collaborator
Girl Scouts of Eastern South Carolina	Other Organizations	Collaborator; Targeted Stakeholder
Givhans Ferry State Park	State Government	Collaborator
Goat Island Boat Club	Other Organizations	Collaborator; Targeted Stakeholder
Greater Charleston Restaurant Association	Professional Association	Collaborator; Program Partner; Targeted Stakeholder
Greenville Technical College	Higher Education Institute	Collaborator; Targeted Stakeholder
Gulf States Marine Fisheries Commission	Federal Government	Collaborator
Gullah Geechee Chamber of Commerce	Non-Governmental Organization	The Consortium assisted the Chamber to develop project ideas that further both organization's goals, and developed a proposal for a Gullah Geechee Seafood Trail to promote seafood businesses owned by community members, and to share stories of maritime cultural heritage. The Consortium built capacity within the Chamber by walking them through System Awards Management and grants.gov registration processes, making the Chamber eligible to apply for federal funds. The Consortium identified NOAA Saltonstall-Kennedy funds and played an essential role in obtaining eligibility for the Chamber, writing the grant proposal, organizing planning meetings, meeting grant proposal requirements, and submitting the grant on-time.
Gullah Geechee Nation	Non-Governmental Organization	New member of the Coastal Economics Extension Advisory Committee
Gullah-Geechee Cultural Heritage Corridor Commission	Non-Governmental Organization	Collaborator; Program Partner; Targeted Stakeholder
Gullah-Geechee Sea Island Coalition	Non-Governmental Organization	Collaborator; Program Partner; Targeted Stakeholder
H&H Seafood	Private Business Organization	Targeted Stakeholder
Haig Point Environmental Committee	Other Organizations	Collaborator; Targeted Stakeholder
Harbor Island Owners Association	Other Organizations	Collaborator; Targeted Stakeholder
Harry Hampton Memorial Wildlife Fund	Non-Governmental Organization	Program Partner
Hilton Head Area Association of Realtors	Professional Association	Targeted Stakeholder; Collaborator
Hilton Head High School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Horry County	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Horry County Virtual School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Hunting Island State Park	State Government	Collaborator
Huntington Beach State Park	State Government	Collaborator
Insurance Institute of Business and Home Safety (IBHS)	Professional Association	Collaborator
Int'l African American Museum	Other Organizations	Collaborator; Targeted Stakeholder
IOOS Coalition	Professional Association	Program Partner
Isle of Palms Exchange Club	Other Organizations	Collaborator; Targeted Stakeholder
Keep South Carolina Beautiful	Non-Governmental Organization	Collaborator
Kiawah Island Community Association	Professional Association	Targeted Stakeholder
Kiawah Island Conservancy	Other Organizations	Collaborator; Targeted Stakeholder
Kiawah Island Golf Resort	Private Business Organization	Collaborator; Targeted Stakeholder
Lady's Island Oyster Inc	Private Business Organization	Targeted Stakeholder; Collaborator
Liberty Marine	Private Business Organization	Collaborator; Targeted Stakeholder
Livingston's Bulls Bay Seafood	Private Business Organization	Collaborator; Targeted Stakeholder
Low Country Leadership Charter School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Lowcountry Council of Governments	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Lowcountry Land Trust	Other Organizations	Collaborator; Targeted Stakeholder
Lowcountry Oyster Company	Private Business Organization	Targeted Stakeholder
Lowcountry Stormwater Partners	Other Organizations	Collaborator; Program Partner; Targeted Stakeholder
LS3P	Private Business Organization	Program Partner; Collaborator
Magic Number	Private Business Organization	Program Partner
Magnolia Plantation and Gardens	Private Business Organization	Collaborator; Program Partner
Mariner's Cay Yacht Club	Private Business Organization	Collaborator; Targeted Stakeholder

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Maritime Association of the Port of Charleston	Professional Association	Targeted Stakeholder
Marshview Organic Farm	Private Business Organization	Collaborator; Targeted Stakeholder
Mason Preparatory School	K-12 Education Institute	Collaborator; Targeted Stakeholder
May River Oyster Company	Private Business Organization	Targeted Stakeholder
McClellanville Watermen's Association (MWA)	Non-Governmental Organization	The Consortium partnered with the MWA to help the group develop a set of guidelines that will be an appropriate supplement to the direction that the MWA is taking — to ensure the industry and fisheries are sustained for future generations.
McSweeney Engineers	Other Organizations	Program Partner
Mercedes-Benz Vans	Private Business Organization	Collaborator; Program Partner
Mid-Carolina High School	K-12 Education Institute	Collaborator; Program Partner
Middleton Place	Private Business Organization	Collaborator
Monterey Bay Aquarium Research Institute	Other Organizations	Collaborator
Morehead Planetarium & Science Center	Other Organizations	Collaborator; Program Partner
Murrells Inlet 2020	Other Organizations	Collaborator; Targeted Stakeholder
Myrtle Beach State Park	State Government	Collaborator; Targeted Stakeholder
Myrtle Beach Travel Park	Private Business Organization	Collaborator; Targeted Stakeholder
National Extension Tourism Network	Federal Government	Collaborator
National Marine Educators Association	Professional Association	Program Partner
National Marine Manufacturer's Association	Private Business Organization	Collaborator
National Religious Partnership for the Environment	Non-Governmental Organization	Program Partner
Nature Adventures Kayak and Canoe Outfitters	Private Business Organization	Collaborator; Targeted Stakeholder
Nemours Wildlife Foundation	Other Organizations	Collaborator
Newberry County School District	K-12 Education Institute	Collaborator; Program Partner
Research	Federal Government	Collaborator; Program Partner
NOAA Climate Program Office	Federal Government	Funding Organization
NOAA Hollings Marine Laboratory	Federal Government	Collaborator; Program Partner
NOAA Marine Debris Program	Federal Government	Collaborator; Funding Organization
NOAA National Centers for Environmental Information (NCEI)	Federal Government	Collaborator
NOAA National Integrated Drought Information System (NIDIS)	Federal Government	Collaborator
NOAA National Ocean Service	Federal Government	Funding Organization; Collaborator
NOAA National Sea Grant College Program	Federal Government	Collaborator; Funding Organization; Authorizing Body
NOAA National Weather Service	Federal Government	Collaborator
NOAA Office for Coastal Management	Federal Government	Collaborator; Funding Organization
NOAA Southeast and Caribbean Regional Team (SECART)	Federal Government	Collaborator; Program Partner; Targeted Stakeholder
North Carolina State University	Higher Education Institute	Collaborator
North Inlet-Winyah Bay National Estuarine Research Reserve	Federal Government	Collaborator; Program Partner
Ocean Bay Middle School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Ocean Conservancy	Other Organizations	Collaborator; Program Partner
Oswals, Cooke and Associates, LLC	Private Business Organization	Collaborator; Program Partner
Patriots Point Naval and Maritime Museum	Non-Governmental Organization	Collaborator; Program Partner
Pinckney National Wildlife Refuge	Federal Government	Program Partner
Port Royal Plantation	Private Business Organization	Collaborator; Targeted Stakeholder
Porter Gaud Middle School and High School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Priority Five Holdings	Private Business Organization	Collaborator; Program Partner
Renewable Water Resources (Greenville)	Local Government	Collaborator
River Island Adventures	Private Business Organization	Collaborator; Targeted Stakeholder
Robin Payne Consulting	Private Business Organization	Collaborator, Program Partner
S.C. African-American Heritage Commission	Professional Association	Program Partner
S.C. Aquaculture Association	Professional Association	Program Partner
S.C. Chamber of Commerce	Professional Association	Collaborator; Program Partner; Targeted Stakeholder

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Name of Partner Entity	Type of Partner Entity	Description of Partnership
S.C. Chapter - American Planning Association	Professional Association	Collaborator
S.C. Coastal Conservation League	Professional Association	Targeted Stakeholder
S.C. Coastal Information Network	Professional Association	Collaborator; Program Partner
S.C. Department of Agriculture	State Government	Program Partner
S.C. Department of Education	State Government	Collaborator; Targeted Stakeholder
S.C. Department of Natural Resources	State Government	Collaborator; Program Partner; Targeted Stakeholder
S.C. Department of Parks, Recreation & Tourism	State Government	Collaborator
S.C. DHEC-Environmental Quality Control	State Government	Collaborator; Program Partner
S.C. DHEC-Ocean & Coastal Resource Mgmt.	State Government	Collaborator; Program Partner
S.C. Emergency Management Division	State Government	Program Partner
S.C. Marine Association	Professional Association	Collaborator; Targeted Stakeholder
S.C. Marine Educators Association	Professional Association	Collaborator; Targeted Stakeholder
S.C. Nature-Based Tourism Association	Professional Association	Collaborator; Targeted Stakeholder
S.C. Seafood Alliance	Professional Association	Collaborator; Targeted Stakeholder
S.C. Shellfish Growers Association	Professional Association	Collaborator; Targeted Stakeholder
S.C. Shrimpers Association	Professional Association	Collaborator; Targeted Stakeholder
S.C. Sierra Club, Winyah Group	Other Organizations	Collaborator; Targeted Stakeholder
S.C. State Department of Education	State Government	Collaborator
S.C. Task Group on Harmful Algae	Other Organizations	Collaborator; Program Partner
S.C. Wildlife Federation	Professional Association	Targeted Stakeholder
Santee Cooper	Private Business Organization	Collaborator
SC Beach Advocates	Professional Association	Program Partner
SC Beach Preservation Association	Other Organizations	Program Partner; Targeted Stakeholder
SC Dept. of Insurance	Other Organizations	Program Partner
SC Marine Education Association	Non-Governmental Organization	Collaborator
SC Master Naturalists	Other Organizations	Collaborator; Targeted Stakeholder
SCDHEC Champions of the Environment	State Government	The Consortium successfully secured funding from state and private foundations, including the S.C. Department of Health and Environmental Control's Champions of the Environment, to support the Palmetto Environmental Education Certification (PEEC) program.
Sea Eagle Market	Private Business Organization	Targeted Stakeholder
Sea Grant Association	Professional Association	Collaborator
Sea Kayak Carolina	Private Business Organization	Collaborator; Targeted Stakeholder
Sea Pines Resort	Private Business Organization	Collaborator; Targeted Stakeholder
Skidaway Institute of Oceanography	Higher Education Institute	Collaborator; Program Partner
Smart Vent	Other Organizations	Program Partner
South Atlantic Fishery Management Council	Federal Government	Collaborator
South Carolina Governor's Office	State Government	Collaborator
South Carolina Office of Resilience	State Government	The Consortium is mandated to serve as a member of the Statewide Resilience Plan Advisory Committee
South Carolina State Legislature	State Government	Funding Organization; Authorizing Body
Southeast Caribbean Climate Community of Practice	Other Organizations	Collaborator; Program Partner
Southeast Coastal Ocean Observing Regional Association (SECOORA)	Federal Government	Collaborator; Program Partner; Targeted Stakeholder
Southeast Disaster Recovery Partnership	Other Organizations	Collaborator; Program Partner
Southeast Sea Grant College Programs (4)	Federal Government	Collaborator; Program Partner
Spartanburg Water System	Local Government	Collaborator
Spaulding-Paolozzi Foundation	Non-Governmental Organization	Program Partner
Spring Island Trust	Non-Governmental Organization	Collaborator
Spyglass Technologies	Private Business Organization	Collaborator; Targeted Stakeholder
St John's Yacht Harbor	Other Organizations	Program Partner
St. Andrew Catholic School	K-12 Education Institute	Collaborator; Targeted Stakeholder
Startek	Private Business Organization	Collaborator; Targeted Stakeholder

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Name of Partner Entity	Type of Partner Entity	Description of Partnership
Sun City Canoe and Kayak Club	Other Organizations	Collaborator; Targeted Stakeholder
Surfrider Charleston Chapter	Non-Governmental Organization	Collaborator
Surfrider Grand Strand Chapter	Non-Governmental Organization	Collaborator
Table Rock State Park	State Government	Collaborator
The Coastal Society	Professional Association	Collaborator
The Nature Conservancy	Non-Governmental Organization	Collaborator; Program Partner; Targeted Stakeholder
Thomas and Hutton	Private Business Organization	Collaborator; Program Partner
Town of Bluffton	Local Government	Collaborator; Targeted Stakeholder
Town of Edisto Beach	Local Government	Collaborator; Targeted Stakeholder
Town of Hilton Head Island	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Town of Kiawah Island	Local Government	Collaborator; Targeted Stakeholder
Town of McClellanville	Local Government	Program Partner; Targeted Stakeholder; Collaborator
Town of Port Royal	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Town of Sullivan's Island	Local Government	Collaborator; Targeted Stakeholder
Town of Summerville	Local Government	Program Partner; Targeted Stakeholder
U.S. Coast Guard	Federal Government	Collaborator
U.S. Department of Agriculture	Federal Government	Collaborator
U.S. Department of Homeland Security	Federal Government	Funding Organization; Collaborator
U.S. Environmental Protection Agency	Federal Government	Funding Organization; Collaborator
U.S. Federal Emergency Management Agency (Region IV)	Federal Government	Collaborator
U.S. Fish and Wildlife Service	Federal Government	Collaborator
U.S. Forest Service	Federal Government	Collaborator
U.S. Geological Survey	Federal Government	Funding Organization; Collaborator
U.S. National Park Service	Federal Government	Collaborator
United Methodist Church (Edisto Island)	Other Organizations	Collaborator; Targeted Stakeholder
University of California Agriculture and Natural Resources	Higher Education Institute	Social Coast Forum to discuss how to incorporate trauma awareness into climate and risk communication.
University of Florida	Higher Education Institute	Collaborator
University of North Carolina - Chapel Hill	Higher Education Institute	Collaborator
University of North Carolina – Wilmington	Higher Education Institute	Collaborator
University of Oklahoma	Higher Education Institute	Collaborator; Program Partner
University of Rhode Island	Higher Education Institute	Collaborator
University School of the Lowcountry	K-12 Education Institute	Collaborator; Targeted Stakeholder
VIMS – College of William and Mary	Higher Education Institute	Collaborator
Wacca Wache Marina	Private Business Organization	Collaborator; Targeted Stakeholder
Waccamaw Regional Council of Governments	Local Government	Collaborator; Program Partner; Targeted Stakeholder
Waccamaw Riverkeeper	Non-Governmental Organization	Collaborator; Targeted Stakeholder
Waccamaw Watershed Academy	Other Organizations	Collaborator
Wakefield Beasley and Associates	Private Business Organization	Collaborator; Program Partner
Walmart Market 34	Private Business Organization	Program Partner
Waties Island Sea Turtle Team	Other Organizations	Collaborator; Targeted Stakeholder
Weston & Sampson	Private Business Organization	Collaborator; Targeted Stakeholder
Wexford Marine	Other Organizations	Program Partner
Wildlife Action Inc., Horry County chapter	Other Organizations	Collaborator; Targeted Stakeholder

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Name of Partner Entity	Type of Partner Entity	Description of Partnership
Windfall Pond Oyster Company	Private Business Organization	Targeted Stakeholder
Winyah Rivers Foundation	Non-Governmental Organization	Collaborator; Program Partner
Wyndham Green Teams	Private Business Organization	Collaborator; Targeted Stakeholder
Yakkity Yakkers Kayak Group	Other Organizations	Collaborator; Targeted Stakeholder

**FY 2020-2021 Agency Accountability Report  
Reports Responses:**

**These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM**

Report Name	Law Number (If required)	Summary of Information Requested in the Report	Most Recent Submission Date	Reporting Frequency	Type of Entity	Method to Access the Report	Direct access hyperlink or agency contact
NOAA National Sea Grant College Program Financial Reports	§2 CFR 200.329	Semi-annual financial progress reports on federal grants awarded to agency	April 30, 2021	Twice a year	Entity within federal government	Electronic copy available upon request	Various locations dependent upon awarding entity/interface; reports available via email (if requested)
NOAA National Sea Grant College Program Impacts and Accomplishments	§2 CFR 200.329	The official report of the impacts and accomplishments of the S.C. Sea Grant Consortium in our core focus areas spanning the past year	June 9, 2021	Annually	Entity within federal government	Available on agency's website	<a href="https://www.scseagrant.org/performance-and-accountability/">https://www.scseagrant.org/performance-and-accountability/</a>
NOAA National Sea Grant College Program Impacts and Accomplishments	§2 CFR 200.329	The official report of the impacts and accomplishments of the S.C. Sea Grant Consortium in our core focus areas spanning the past year	June 10, 2021	Annually	Entity within federal government	Available on another website	<a href="https://www.scseagrant.org/performance-and-accountability/">https://www.scseagrant.org/performance-and-accountability/</a>
NOAA National Sea Grant College Program Impacts and Accomplishments NOAA National Sea Grant College Program Strategic	§2 CFR 200.329	Currently, a 6-year Strategic Plan defines the current goals, strategies, and focus areas of the S.C. Sea Grant Consortium	September 30, 2020	Other	Entity within federal government	Available on another website	<a href="https://www.scseagrant.org/performance-and-accountability/">https://www.scseagrant.org/performance-and-accountability/</a>
NOAA National Sea Grant College Program Progress Reports	§2 CFR 200.329	Annual performance progress report on federal grants awarded to agency	Throughout the year	Annually	Entity within federal government	Electronic copy available upon request	Various locations dependent upon awarding entity/interface; reports available via email (if requested)
NOAA National Sea Grant College Program Site Review Panel	§2 CFR 200.329	On-site panel evaluation of the Sea Grant College Program spanning the last quadrennial strategic plan; a full scale review of everything from administrative/management practices to program impacts and accomplishments spanning the past four years (and everything inbetween)		Other	Entity within federal government	Available on agency's website	<a href="https://www.scseagrant.org/performance-and-accountability/">https://www.scseagrant.org/performance-and-accountability/</a>
NOAA National Sea Grant College Program Strategic Plan	§2 CFR 200.329	Currently, a 6-year Strategic Plan defines the current goals, strategies, and focus areas of the S.C. Sea Grant Consortium		Other	Entity within federal government	Available on agency's website	<a href="https://www.scseagrant.org/performance-and-accountability/">https://www.scseagrant.org/performance-and-accountability/</a>
NOAA National Sea Grant Independent Review Panel	§2 CFR 200.329	Off-site panel assessment of the Sea Grant College Program and the achievements (impacts/accomplishments) over the past four years compared to its strategic plan		Other	Entity within federal government	Electronic copy available upon request	No public access available; Report is available upon request to agency
SC Department of Administration, Division of Procurement Services State Procurement Sole-Source Report	§11-35-450	Quarterly progress report on any sole-sourced contracts implemented by the agency	August 4, 2021	Quarterly	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)

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Report Name	Law Number (If required)	Summary of Information Requested in the Report	Most Recent Submission Date	Reporting Frequency	Type of Entity	Method to Access the Report	Direct access hyperlink or agency contact
SC Department of Administration, Division of Technology SCDIS-210: Information Security Technology Measurement Standards (includes GAP Analysis, PoA, etc.)	§N/A	Report/Guidelines for agency implementation of information security policies, procedures, protocols, etc.		Other	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Administration, Executive Budget Office Accountability Report	§1-1-810	The report "must contain the agency's or department's mission, objectives to accomplish the mission, and performance measures that show the degree to which objectives are being met." Agencies must "identify key program area descriptions and expenditures and link these to key financial and performance results measures."	September 15, 2020	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://www.scstatehouse.gov/reports/aar2020/P260.pdf">https://www.scstatehouse.gov/reports/aar2020/P260.pdf</a>
SC Department of Administration, Executive Budget Office Debt Reporting and Collection	§Proviso 117.33 FY2021-22 Appropriation Act	Annual (calendar) inquiry about possible debt accumulation/collection incurred/received by the agency	February 9, 2021	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Administration, Program Management Office IT Data Collection InfoSec & Privacy Questionnaire	§N/A	Annual IT progress report on privacy and security implementations as required by the State	October 24, 2020	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Administration, Program Management Office IT Data Collection Workbook	§Proviso 117.94 of FY2021-22 Appropriation Act	Annual IT report on fiscal spending (past, current and future), FTE needs, and hardware inventory	July 30, 2021	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Administration, Revenue & Fiscal Affairs Other Funds Revenues	§N/A	Annual review of 'other' funds (earmarked, restricted, etc.) revenues generated by the agency	October 3, 2021	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Administration, Revenue & Fiscal Affairs Other Funds Survey	§2-65-20	Annual review of 'other' funds (earmarked, restricted, etc.) retained by the agency	October 28, 2019	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Administration, State Fleet Management Office State Fleet Accident Report	§1-11-220	Quarterly reporting on activity for agency leased vehicles (mileage, accidents, etc.)		Quarterly	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Employment and Workforce UCE-101/120 Quarterly Filings: Contributions and Wages	§41-31-160	Quarterly filing for agency employee wages earned	July 9, 2021	Quarterly	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Department of Health & Environmental Control Annual SC Solid Waste Management Annual Report	§44-96-60	Annual report on the agency's recycling activities	August 19, 2021	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://www.scdhec.gov/environment/recycling-waste-reduction/data-reports-recycling">https://www.scdhec.gov/environment/recycling-waste-reduction/data-reports-recycling</a>
SC Department of Revenue South Carolina State Sales and Use Tax Return	§12-36-5:§12-36-2695	Quarterly filing for agency sales & use tax (including payments if necessary)	July 8, 2021	Quarterly	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)

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Report Name	Law Number (If required)	Summary of Information Requested in the Report	Most Recent Submission Date	Reporting Frequency	Type of Entity	Method to Access the Report	Direct access hyperlink or agency contact
SC Division of Small and Minority Business Contracting & Certification State of South Carolina Minority Business Utilization Report	§11-35-5240	Annual report on the agency's utilization of minority businesses (if/when applicable)	July 30, 2021	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
SC Division of State Human Resources Annual Classification Delegation Authority Audit	§11-7-20	Annual audit review on the agency's human resources transactions and corresponding documentation	June 22, 2018	Annually	South Carolina state agency or agencies	Electronic copy available upon request	No public access available; Report is available upon request to agency
SC House Legislative Oversight Committee Restructuring Report	§2-2-20	Annual report detailing the agency's goals, mission, vision as well as strategies/objectives and costs/legal standards associated		Other	South Carolina state agency or agencies	Available on another website	<a href="http://www.scstatehouse.gov/CommitteeInfo/HouseLegislativeOversightCommittee/AgencyPHPFiles/SeaGrantConsortium.php">http://www.scstatehouse.gov/CommitteeInfo/HouseLegislativeOversightCommittee/AgencyPHPFiles/SeaGrantConsortium.php</a>
SC Office of Regulatory Staff, Energy Office Annual Energy Consumption Report	§48-52-280, §48-52-640	Annual report on the energy usage for the agency	August 10, 2021	Annually	South Carolina state agency or agencies	Available on another website	<a href="http://www.energy.sc.gov/reports">http://www.energy.sc.gov/reports</a>
SC Office of the Comptroller General Annual Statewide Travel Report	§N/A	Annual audit review on the agency's travel expenditures from the previous fiscal year	September 1, 2020	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://cg.sc.gov/sites/default/files/Documents/Publications%20and%20Reports/Travel%20Reports/FY20TravelReport.pdf">https://cg.sc.gov/sites/default/files/Documents/Publications%20and%20Reports/Travel%20Reports/FY20TravelReport.pdf</a>
SC Office of the Comptroller General Comprehensive Annual Financial Report (CAFR)	§N/A	Annual financial (inclusive) reporting for the State; Numerous reporting packages	October 22, 2020	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://www.cg.sc.gov/financial-reports/comprehensive-annual-financial-reports-cafrs/fy-2019-2020">https://www.cg.sc.gov/financial-reports/comprehensive-annual-financial-reports-cafrs/fy-2019-2020</a>
SC Office of the State Auditor Annual Agreed Upon Procedures (AUP) Audit	§11-7-20	Annual audit review on agency's administrative policies and procedures (Finance, HR, etc.)	July 15, 2021	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://osa.sc.gov/wp-content/uploads/2021/07/P2620-Sea-Grant-Final.pdf">https://osa.sc.gov/wp-content/uploads/2021/07/P2620-Sea-Grant-Final.pdf</a>
SC Office of the State Auditor Annual Statewide Single Audit	§Proviso 117.94 of FY2021-22 Appropriation Act	Annual audit review on agency's federal expenditure activity during the state fiscal year	March 6, 2020	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://osa.sc.gov/wp-content/uploads/2021/04/2020-Single-Audit-Report.pdf">https://osa.sc.gov/wp-content/uploads/2021/04/2020-Single-Audit-Report.pdf</a>
SC Office of the State Auditor Schedule of Expenditures of Federal Awards (SEFA)	§Proviso 117.94 of FY2021-22 Appropriation Act	Annual financial (federal) reporting for the State	August 14, 2020	Annually	South Carolina state agency or agencies	Available on another website	<a href="https://osa.sc.gov/wp-content/uploads/2021/04/2020-Single-Audit-Report.pdf">https://osa.sc.gov/wp-content/uploads/2021/04/2020-Single-Audit-Report.pdf</a>
SC Senate Legislative Oversight Committee Restructuring Report	§2-2-20	Annual report detailing agency programs and associated goals, legal statutes, and impacts to citizens/other governments as well as possible cost savings and areas to increase efficiencies		Other	South Carolina state agency or agencies	Electronic copy available upon request	Draft copy available upon request as Oversight Committee has yet to finalized acceptance for the current pending submission.

**These responses were submitted for the FY 2020-2021 Accountability Report by the  
SEA GRANT CONSORTIUM**

Report Name	Law Number (If required)	Summary of Information Requested in the Report	Most Recent Submission Date	Reporting Frequency	Type of Entity	Method to Access the Report	Direct access hyperlink or agency contact
SC State Accident Fund Annual Payroll Report	§48-52-620	Annual review of the agency's payroll expenditures from the previous fiscal year (for insurance billing purposes)	July 13, 2021	Annually	South Carolina state agency or agencies	Electronic copy available upon request	N/A; reports available via email (if requested)
Survey of State Government Research and Development	§13-8-42; §13-131-42; §13-182-42	The purpose of this survey is to measure your state's contributions toward scientific and technological advances	December 4, 2020	Annually	Entity within federal government	Available on another website	<a href="https://www.nsf.gov/statistics/srvystaterd/#tabs-2">https://www.nsf.gov/statistics/srvystaterd/#tabs-2</a>
U.S. Census Bureau Survey of State Government Research and Development	§13-8-42; §13-131-42; §13-182-42	The purpose of this survey is to measure your state's contributions toward scientific and technological advances	October 26, 2020	Annually	Entity within federal government	Available on another website	<a href="https://www.nsf.gov/statistics/srvystaterd/#tabs-2">https://www.nsf.gov/statistics/srvystaterd/#tabs-2</a>
US Department of Labor Bureau of Labor Statistics OSHA Form 301: Injury and Illness Incident Report	§29 CFR 1904.41	Annual OSHA report for any agency incidents involving employee injuries/illnesses	January 5, 2021	Annually	Entity within federal government	Electronic copy available upon request	N/A; reports available via email (if requested)

FY2022-23 Prioritized Budget Request Summary												
South Carolina Sea Grant Consortium												
BUDGET REQUESTS				FUNDING						FTEs		
Priority	Request Type (recurring, non-recurring, capital)	Request Title	Brief Description	General - Recurring	General - Nonrecurring	Other	Federal	Total	State	Other	Federal	Total
1	Recurring	Increased and Improved Communication with Our Stakeholders and in Accountability Reporting	<p>The Consortium's Communications Specialist would be responsible for writing and developing communications products related to resilience and other coastal opportunities and challenges to (1) benefit our constituents statewide and (2) report to the NOAA National Sea Grant Office. Specifically, the Coastal Communications Specialist will:</p> <ol style="list-style-type: none"> <li>1. Communicate science-based information and products, based on our strategic program areas, supported by the Consortium and others to coastal communities, organizations, and businesses, state leadership, funding organizations, and institutional sponsors;</li> <li>2. Serve as lead writer and editor for the Consortium's enewsletter Coastal Science @ Work and working with the program specialists and other staff to ensure content is developed for the website to support the enewsletter and increase both the reach and the frequency of distribution;</li> <li>3. Prepare articles and news releases for external publication as well as communicate the contributions of the state's coastal and marine resources sectors (e.g., commercial fishing, recreational angling, tourism) at the regional and state levels to coastal communities, organizations, businesses, and the general public (e.g., jobs, revenue, cost savings, natural capital, and ecosystem services valuation), and to state leadership, funding organizations, and institutional sponsors;</li> <li>4. In a changing and challenging communications environment, identify best practices for reaching all of our stakeholders and constituents, taking the lead on development of social media and video content for the Consortium;</li> <li>5. Prepare copy for publications and promotional materials that are grounded in specific media to reach all of our state's residents. We are well versed in traditional communications however that is not sufficient to reach all of our residents. New ways of quickly sharing information is impactful and necessary products such as fact sheets, brochures, posters, social media posts, are to be prepared differently for diverse professional sector, culture, age audiences;</li> <li>6. Generate and utilize tools and mechanisms to improve reliability of the Consortium's impact reporting to the National Sea Grant College Program through its annual reporting process and to the State of South Carolina through its State Accountability Report. Other duties to include mailing list management and proofreading.</li> </ol>	\$ 68,415	\$ -	\$ -	\$ -	\$ 68,415	1.00	-	-	1.00

FY2022-23 Prioritized Budget Request Summary												
South Carolina Sea Grant Consortium												
BUDGET REQUESTS				FUNDING						FTEs		
Priority	Request Type (recurring, non-recurring, capital)	Request Title	Brief Description	General - Recurring	General - Nonrecurring	Other	Federal	Total	State	Other	Federal	Total
2	Recurring	Increased Capacity to Manage Grants and External Funding Sources	<p>The Consortium is currently at capacity to process the documents for proposals and awards. At the same time, in part due to our success and in part due to the need for improved coastal resilience and sustainable economic develop of our resources, we expect to have access to additional funds. While the Consortium's small administrative department has been able to absorb the additional workload created from our recent successes, it is no longer able to continue to expand their responsibilities without the addition of a grants management specialist. In addition, this position will assist the Consortium in completing required state and federal reporting requirements; both of which have experienced significantly more requirements over the past few years. Specifically, the Grants Management Specialist:</p> <ol style="list-style-type: none"> <li>Provides advice and assistance to program management in formulating, drafting, reviewing and finalizing program solicitations, announcements, brochures, and other appropriate proposal generating mechanisms;</li> <li>Negotiates, drafts and finalizes grants, agreements, and other complex award instruments involving Consortium funding;</li> <li>Interprets and informs Consortium personnel as well as external projectrelated personnel on current policies and procedures regarding grants, contracts, and cooperative agreements to ensure compliance with all regulatory contracts, and cooperative agreements to ensure compliance with all regulatory and legal requirements;</li> <li>Serves as one of the Consortium's delegated grants officer with authority for obligating agency funds and issuing certain awards or award modifications and acts as a liaison with external customers, recipients, and awardee community to clarify, interpret, and resolve issues;</li> <li>Assists in the review of completed awards, making appropriate adjustments or disallowances, and processing closeouts to ensure compliance with all regulatory and legal requirements;</li> <li>Conducts internal program evaluations, including monitoring and assessing of Consortium performance and establishing measures by monitoring, assessing, and ensuring the agency complies with all terms and conditions of awards;</li> <li>Conducts external program evaluations, including monitoring and assessing of awardee performance, and establishing measures by monitoring, assessing, and ensuring awardees comply with all terms and conditions of awards;</li> <li>Ensures recipients comply with state and federal requirements and recommending or initiating appropriate action (when necessary) to protect agency interests by conducting audits, risk assessments, and business reviews of all entities that receive Consortium funding;</li> <li>In partnership with the Office of the State Audit and assisting Consortium administration, provides assistance in the resolution of audit findings as well as the implementation and monitoring of the associated corrective action plans;</li> <li>Assists in the announcing of programs and soliciting of applications or proposals for funding under assistance awards as well as the technical review of those submissions (if required).</li> </ol>	\$ 68,415	\$ -	\$ -	\$ -	\$ 68,415	1.00	-	-	1.00
TOTAL BUDGET REQUESTS				\$ 136,830	\$ -	\$ -	\$ -	\$ 136,830	2.00	-	-	2.00



**Fiscal Year FY 2022-2023**  
**Agency Budget Plan**

**FORM A - BUDGET PLAN SUMMARY**

**OPERATING  
REQUESTS  
(FORM B1)**

For FY 2022-2023, my agency is (mark "X"):	
<input checked="" type="checkbox"/>	Requesting General Fund Appropriations.
<input type="checkbox"/>	Requesting Federal/Other Authorization.
<input type="checkbox"/>	Not requesting any changes.

**NON-RECURRING  
REQUESTS  
(FORM B2)**

For FY 2022-2023, my agency is (mark "X"):	
<input type="checkbox"/>	Requesting Non-Recurring Appropriations.
<input type="checkbox"/>	Requesting Non-Recurring Federal/Other Authorization.
<input checked="" type="checkbox"/>	Not requesting any changes.

**CAPITAL  
REQUESTS  
(FORM C)**

For FY 2022-2023, my agency is (mark "X"):	
<input checked="" type="checkbox"/>	Requesting funding for Capital Projects.
<input type="checkbox"/>	Not requesting any changes.

**PROVISOS  
(FORM D)**

For FY 2022-2023, my agency is (mark "X"):	
<input type="checkbox"/>	Requesting a new proviso and/or substantive changes to existing provisos.
<input type="checkbox"/>	Only requesting technical proviso changes (such as date references).
<input checked="" type="checkbox"/>	Not requesting any proviso changes.

Please identify your agency's preferred contacts for this year's budget process.

	<i>Name</i>	<i>Phone</i>	<i>Email</i>
<b>PRIMARY CONTACT:</b>	Dr. Susan Lovelace		
<b>SECONDARY CONTACT:</b>	Ryan C. Bradley		

I have reviewed and approved the enclosed FY 2022-2023 Agency Budget Plan, which is complete and accurate to the extent of my knowledge.

**SIGN/DATE:**  
**TYPE/PRINT  
NAME:**

<i>Agency Director</i>	<i>Board or Commission Chair</i>
<input type="text"/> 09/13/2021 Susan Lovelace	<input type="text"/> 9/20/21 Robert H. Jones

*This form must be signed by the agency head – not a delegate.*

Agency Name:	<u>Sea Grant Consortium</u>									
Agency Code:	P260									
Section:	48									

BUDGET REQUESTS			FUNDING					FTES				
Priority	Request Type	Request Title	State	Federal	Earmarked	Restricted	Total	State	Federal	Earmarked	Restricted	Total
1	B1 - Recurring	Increased and Improved Communication with Our Stakeholders and in Accountability Reporting	68,415	0	0	0	68,415	1.00	0.00	0.00	0.00	1.00
2	B1 - Recurring	Increased Capacity to Manage Grants and External Funding Sources	68,415	0	0	0	68,415	1.00	0.00	0.00	0.00	1.00
TOTALS			136,830	0	0	0	136,830	2.00	0.00	0.00	0.00	2.00

Agency Name:	Sea Grant Consortium		
Agency Code:	P260	Section:	48

## FORM B1 – RECURRING OPERATING REQUEST

<b>AGENCY PRIORITY</b>	<b>1</b>
<i>Provide the Agency Priority Ranking from the Executive Summary.</i>	
<b>TITLE</b>	<b>Increased and Improved Communication with Our Stakeholders and in Accountability Reporting</b>
<i>Provide a brief, descriptive title for this request.</i>	
<b>AMOUNT</b>	<b>General: \$68,415</b> <b>Federal: \$0</b> <b>Other: \$0</b> <b>Total: \$68,415</b>
<i>What is the net change in requested appropriations for FY 2022-2023? This amount should correspond to the total for all funding sources on the Executive Summary.</i>	
<b>NEW POSITIONS</b>	<b>1.00</b>
<i>Please provide the total number of new positions needed for this request.</i>	
<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<b>Mark “X” for all that apply:</b> <input checked="" type="checkbox"/> Change in cost of providing current services to existing program audience <input type="checkbox"/> Change in case load/enrollment under existing program guidelines <input type="checkbox"/> Non-mandated change in eligibility/enrollment for existing program <input checked="" type="checkbox"/> Non-mandated program change in service levels or areas <input type="checkbox"/> Proposed establishment of a new program or initiative <input type="checkbox"/> Loss of federal or other external financial support for existing program <input type="checkbox"/> Exhaustion of fund balances previously used to support program <input type="checkbox"/> IT Technology/Security related <input type="checkbox"/> Consulted DTO during development <input type="checkbox"/> Related to a Non-Recurring request – If so, Priority #
<b>STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES</b>	<b>Mark “X” for primary applicable Statewide Enterprise Strategic Objective:</b> <input type="checkbox"/> Education, Training, and Human Development <input type="checkbox"/> Healthy and Safe Families <input type="checkbox"/> Maintaining Safety, Integrity, and Security <input type="checkbox"/> Public Infrastructure and Economic Development <input checked="" type="checkbox"/> Government and Citizens
<b>ACCOUNTABILITY OF FUNDS</b>	<p>The Consortium's FY2022-23 funding request will fill a critical gap in the agency's ability to document and communicate the science and information that the Consortium produces for our constituents. This request supports the agency's mission and goals, and therefore would support all three of the agency's management and administrative goals and corresponding strategies and objectives. The Consortium is seeking recurring funding to enhance:</p> <ol style="list-style-type: none"> <li>1. <u>Programmatic Impact</u>: A chief function of the agency is to provide science-based information on issues and opportunities to improve the social and economic well-being of our coastal citizens while ensuring the optimal use and conservation of our marine and coastal natural resources.</li> <li>2. <u>Societal Impact</u>: The Consortium works with and supports a number of the agency's partners and stakeholders (including SC OR- South Carolina Office of Resilience, SCDHEC-Ocean and Coastal Resource Management, SCDNR-Marine Resources Division as well as industry-based partners, organizations and individuals) to utilize coastal applied science to benefit the economic growth, public safety, and support of maritime business and industries. This added capacity will allow the agency to improve our transfer of information to our constituents for their benefit. This information will allow decision-makers to better evaluate the options before them as they balance plans for accommodating future growth, preparing for hazards, fostering economic development, and providing for natural resources conservation.</li> </ol>

3. **Economic Impact:** As the Consortium shares tools and information with our constituents, it prepares them to make decisions that benefit the economic development of our businesses and communities. The Consortium measures economic benefits and reports the figures to the NOAA National Sea Grant Office (NSGO) as well as to our state entities.

*What specific strategy, as outlined in the most recent Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?*

## RECIPIENTS OF FUNDS

These funds will allow the Consortium to hire a full-time Public Information Coordinator to develop and foster increased and more diverse types of communications to meeting our agency's increased communications, reporting, and programmatic needs.

*What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)? How would these funds be allocated – using an existing formula, through a competitive process, based upon predetermined eligibility criteria?*

### Request

The Consortium requests \$68,415 in state recurring funds and a full-time classified position to support a full-time staff Public Information Coordinator position:

- \$48,927 (midpoint salary/wages for a Public Information Coordinator position)
- \$19,488 (employer contributions based on Department of Administration's Rate Table)

### Background

The S.C. Sea Grant Consortium is a partnership of its eight member institutions working to generate, translate, and apply coastal and marine scientific information into action to ensure the health and well-being of our coastal communities as engines of economic growth, conservers of ecosystem services, and servants to all segments of society in a rapidly changing world. The Consortium's work encompasses diverse issues relevant to local, regional, and national priorities, including healthy coastal ecosystems, sustainable fisheries and aquaculture, weather and climate resiliency, sustainable coastal communities and economies, and environmental literacy and workforce development.

The S.C. Sea Grant Consortium reports to both the NSGO and to the State of South Carolina. Due to the success of our program in obtaining resources to build our research and engagement portfolios we identified and reported to NSGO a record 73 impacts and accomplishments, 71 products, 81 trainings and \$2,562,737 in economic benefits from these projects for the state for in 2020, a year that was challenging for all of us. These activities are benchmarked against our strategic plan. Success is critical in leveraging the funding and resources needed to conduct this level of output for our stakeholders.

Sharing the applied science and information developed by Consortium members and our staff benefits our communities, businesses and individuals. We have increased need to communicate this information to all of these groups and to develop and employ communication tools and approaches that reflect program needs and priorities, and that will advance the role of science in effective stewardship and management of coastal resources to enhance the social and economic resilience of our communities. Traditional communications only reach a portion of our residents and visitors. The Consortium needs to build on our current expertise to use newer mediums and techniques to communicate in social media and related formats as well as offering targeted communications in different languages. The addition of a new will allow communications position will impact delivery of information to all of the citizens of SC and improve our reach into more communities. We are working with the SC Office of Resilience to magnify and target their messages along the coast. In addition, there are additional requirements for reporting these benefits back to NOAA. The Public Information Coordinator will work with our program specialists and Consortium researchers to develop consequential reports to the NSGO and with state entities.

### Functions of the Consortium's Coastal Communications Specialist (agency title)

The Consortium's Communications Specialist would be responsible for writing and developing communications products related to resilience and other coastal opportunities and challenges to (1) benefit our constituents state-wide and (2) report to the NOAA National Sea Grant Office.

## JUSTIFICATION OF REQUEST

Specifically, the Coastal Communications Specialist will:

1. Communicate science-based information and products, based on our strategic program areas, supported by the Consortium and others to coastal communities, organizations, and businesses, state leadership, funding organizations, and institutional sponsors.
2. Serve as lead writer and editor for the Consortium's e-newsletter *Coastal Science @ Work* and working with the program specialists and other staff to ensure content is developed for the website to support the e-newsletter and increase both the reach and the frequency of distribution.
3. Prepare articles and news releases for external publication as well as communicate the contributions of the state's coastal and marine resources sectors (e.g., commercial fishing, recreational angling, tourism) at the regional and state levels to coastal communities, organizations, businesses, and the general public (e.g., jobs, revenue, cost savings, natural capital, and ecosystem services valuation), and to state leadership, funding organizations, and institutional sponsors.
4. In a changing and challenging communications environment, identify best practices for reaching all of our stakeholders and constituents, taking the lead on development of social media and video content for the Consortium.
5. Prepare copy for publications and promotional materials that are grounded in specific media to reach all of our state's residents. We are well versed in traditional communications however that is not sufficient to reach all of our residents. New ways of quickly sharing information is impactful and necessary. Products such as fact sheets, brochures, posters, social media posts, are to be prepared differently for diverse professional sector, culture, age audiences.
6. Generate and utilize tools and mechanisms to improve reliability of the Consortium's impact reporting to the National Sea Grant College Program through its annual reporting process and to the State of South Carolina through its State Accountability Report. Other duties to include mailing list management and proofreading.

Without this support, the Consortium is unable to satisfactorily share the resources produced by the agency with a full range of our citizens, business and visitors to our state. At the time of this request, the Consortium has no existing vacancies and thus requests an additional classified full-time employee position as well as the required funding to support the position.

*Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. If new positions have been requested, explain why existing vacancies are not sufficient.*

Agency Name:	Sea Grant Consortium		
Agency Code:	P260	Section:	48

## FORM B1 – RECURRING OPERATING REQUEST

<b>AGENCY PRIORITY</b>	<b>2</b>
<i>Provide the Agency Priority Ranking from the Executive Summary.</i>	
<b>TITLE</b>	<b>Increased Capacity to Manage Grants and External Funding Sources</b>
<i>Provide a brief, descriptive title for this request.</i>	
<b>AMOUNT</b>	<b>General: \$68,415</b> <b>Federal: \$0</b> <b>Other: \$0</b> <b>Total: \$68,415</b>
<i>What is the net change in requested appropriations for FY 2022-2023? This amount should correspond to the total for all funding sources on the Executive Summary.</i>	
<b>NEW POSITIONS</b>	<b>1.00</b>
<i>Please provide the total number of new positions needed for this request.</i>	
<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<b>Mark “X” for all that apply:</b> <input checked="" type="checkbox"/> Change in cost of providing current services to existing program audience <input type="checkbox"/> Change in case load/enrollment under existing program guidelines <input type="checkbox"/> Non-mandated change in eligibility/enrollment for existing program <input checked="" type="checkbox"/> Non-mandated program change in service levels or areas <input type="checkbox"/> Proposed establishment of a new program or initiative <input type="checkbox"/> Loss of federal or other external financial support for existing program <input type="checkbox"/> Exhaustion of fund balances previously used to support program <input type="checkbox"/> IT Technology/Security related <input type="checkbox"/> Consulted DTO during development <input type="checkbox"/> Related to a Non-Recurring request – If so, Priority #
<b>STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES</b>	<b>Mark “X” for primary applicable Statewide Enterprise Strategic Objective:</b> <input type="checkbox"/> Education, Training, and Human Development <input type="checkbox"/> Healthy and Safe Families <input type="checkbox"/> Maintaining Safety, Integrity, and Security <input type="checkbox"/> Public Infrastructure and Economic Development <input checked="" type="checkbox"/> Government and Citizens
<b>ACCOUNTABILITY OF FUNDS</b>	<p>The Consortium’s FY2022-23 funding request will fill a critical gap in the agency’s ability to access and process external funds available to the agency and to grant those funds to the Consortium’s member research institutions. This request supports the agency’s mission and goals, and therefore would support all three of the agency’s management and administrative goals and corresponding strategies and objectives. The Consortium is seeking recurring funding to enhance:</p> <ol style="list-style-type: none"> <li>1. <u>Programmatic Impact</u>: A chief function of the agency is to provide science-based information on issues and opportunities to improve the social and economic well-being of our coastal citizens while ensuring the optimal use and conservation of our marine and coastal natural resources.</li> <li>2. <u>Societal Impact</u>: The Consortium works with and supports a number of the agency’s partners and stakeholders (including SC OR- South Carolina Office of Resilience, SCDHEC-Ocean and Coastal Resource Management, SCDNR-Marine Resources Division as well as industry-based partners, organizations and individuals) to utilize coastal applied science to benefit the economic growth, public safety, and support of maritime business and industries. This added capacity will allow the agency to increase our ability to attract funds and conduct the science needed for decision-makers to better evaluate the options before them as they balance plans for accommodating future growth, preparing for hazards, fostering economic development, and providing for natural resources conservation.</li> </ol>

## RECIPIENTS OF FUNDS

3. **Economic Impact:** The Consortium seeks non-state funds to achieve the strategic coastal science needs of our state. The Consortium evaluates our economic benefits and reports the figures to the NOAA National Sea Grant Office (NSGO) as well as to our state entities.

*What specific strategy, as outlined in the most recent Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?*

These funds will allow the Consortium to hire a full-time Grants Coordinator II to provide advice and assistance to program management in preparing and submitting proposals, serves as one of the Consortium's grant officers with authority for obligating agency fund and issuing certain awards and conducts internal and external program evaluations.

*What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)? How would these funds be allocated – using an existing formula, through a competitive process, based upon predetermined eligibility criteria?*

### Request

The Consortium requests \$68,415 in state recurring funds and a full-time classified position to support a full-time staff Grants Coordinator II position:

- \$48,927 (midpoint salary/wages for a Grants Coordinator II position)
- \$19,488 (employer contributions based on Department of Administration's Rate Table)

### Background

The S.C. Sea Grant Consortium is a partnership of its eight member institutions working to generate, translate, and apply coastal and marine scientific information into action to ensure the health and well-being of our coastal communities as engines of economic growth, conservers of ecosystem services, and servants to all segments of society in a rapidly changing world. The Consortium's work encompasses diverse issues relevant to local, regional, and national priorities, including healthy coastal ecosystems, sustainable fisheries and aquaculture, weather and climate resiliency, sustainable coastal communities and economies, and environmental literacy and workforce development.

The S.C. Sea Grant Consortium reports to both the NSGO and to the State of South Carolina. Due to the success of our program in obtaining resources to build our research and engagement portfolios we identified and reported to NSGO a record 73 impacts and accomplishments, 71 products, 81 trainings and \$2,562,737 in economic benefits from these projects for the state for in 2020, a year that was challenging for all of us. These activities are benchmarked against our strategic plan. Success is critical in leveraging the funding and resources needed to conduct this level of output for our stakeholders.

The Consortium endeavors to seek out resources to conduct science and engagement necessary to the coastal resilience and sustainable economic development of our coastal resources. We are currently at capacity to process the documents for proposals and awards. At the same time, in part due to our success and in part due to the need for improved coastal resilience and sustainable economic development of our resources, we expect to have access to additional funds. While the Consortium's small administrative department has been able to absorb the additional workload created from our recent successes, it is no longer able to continue to expand their responsibilities without the addition of a grants management specialist. In addition, this position will assist the Consortium in completing required state and federal reporting requirements; both of which have experienced significantly more requirements over the past few years.

### Functions of the Consortium's Grants Management Specialist (agency title)

Specifically, the Grants Management Specialist:

1. Provides advice and assistance to program management in formulating, drafting, reviewing and finalizing program solicitations, announcements, brochures, and other appropriate proposal generating mechanisms;
2. Negotiates, drafts and finalizes grants, agreements, and other complex award instruments involving Consortium funding;
3. Interprets and informs Consortium personnel as well as external project-related personnel on current policies and procedures regarding grants, contracts, and cooperative agreements to ensure compliance with all regulatory

## JUSTIFICATION OF REQUEST

and legal requirements;

4. Serves as one of the Consortium's delegated grants officer with authority for obligating agency funds and issuing certain awards or award modifications and acts as a liaison with external customers, recipients, and awardee community to clarify, interpret, and resolve issues;
5. Assists in the review of completed awards, making appropriate adjustments or disallowances, and processing close-outs to ensure compliance with all regulatory and legal requirements;
6. Conducts internal program evaluations, including monitoring and assessing of Consortium performance and establishing measures by monitoring, assessing, and ensuring the agency complies with all terms and conditions of awards;
7. Conducts external program evaluations, including monitoring and assessing of awardee performance, and establishing measures by monitoring, assessing, and ensuring awardees comply with all terms and conditions of awards;
8. Ensures recipients comply with state and federal requirements and recommending or initiating appropriate action (when necessary) to protect agency interests by conducting audits, risk assessments, and business reviews of all entities that receive Consortium funding;
9. In partnership with the Office of the State Audit and assisting Consortium administration, provides assistance in the resolution of audit findings as well as the implementation and monitoring of the associated corrective action plans;
10. Assists in the announcing of programs and soliciting of applications or proposals for funding under assistance awards as well as the technical review of those submissions (if required).

Without this support, the Consortium is unable to satisfactorily access resources available to the agency as we are past our capacity to receive and process additional grants. At the time of this request, the Consortium has no existing vacancies and thus requests an additional classified full-time employee position as well as the required funding to support the position.

*Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. If new positions have been requested, explain why existing vacancies are not sufficient.*

Agency Name:	Sea Grant Consortium		
Agency Code:	P260	Section:	48

## **FORM E – AGENCY COST SAVINGS AND GENERAL FUND REDUCTION CONTINGENCY PLAN**

<b>TITLE</b>	Agency Cost Savings and General Fund Reduction Contingency Plan
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<b>AMOUNT</b>	\$24,622
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*What is the General Fund 3% reduction amount? This amount should correspond to the reduction spreadsheet prepared by EBO.*

<b>ASSOCIATED FTE REDUCTIONS</b>	N/A
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*How many FTEs would be reduced in association with this General Fund reduction?*

<b>PROGRAM / ACTIVITY IMPACT</b>	This plan, if implemented, would result in a 14.0% reduction of the agency's operating funds, which currently total \$175,873. Of this total amount, more than seventy (70%) percent is allocated for our office space lease for FY2021-22; the remainder supports our office equipment rentals, state insurance premiums, utilities, IT equipment replacement, IT software needs, and information security support. A reduction of \$24,622 would greatly restrict the ability of the agency from meeting our administrative, fiduciary, and programmatic responsibilities.
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*What programs or activities are supported by the General Funds identified?*

<b>SUMMARY</b>	The loss of 14.0% of our operating funds would jeopardize the agency's ability to meet its administrative responsibilities, would impact the ability of the agency to meet its programmatic and fiduciary responsibilities, and could affect our current office lease agreement (see Program/Activity Impact).
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*Please provide a detailed summary of service delivery impact caused by a reduction in General Fund Appropriations and provide the method of calculation for anticipated reductions. Agencies should prioritize reduction in expenditures that have the least significant impact on service delivery.*

## **AGENCY COST SAVINGS PLANS**

The Sea Grant Consortium is not proposing to implement any cost savings measures over \$50,000 for the upcoming fiscal year.

*What measures does the agency plan to implement to reduce its costs and operating expenses by more than \$50,000? Provide a summary of the measures taken and the estimated amount of savings. How does the agency plan to repurpose the savings?*

Agency Name:	Sea Grant Consortium		
Agency Code:	P260	Section:	48

## **FORM F – REDUCING COST AND BURDEN TO BUSINESSES AND CITIZENS**

<b>TITLE</b>	Reducing Cost and Burden to Business and Citizens
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*Provide a brief, descriptive title for this request.*

<b>EXPECTED SAVINGS TO BUSINESSES AND CITIZENS</b>	\$0
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*What is the expected savings to South Carolina's businesses and citizens that is generated by this proposal? The savings could be related to time or money.*

<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<p><b>Mark "X" for all that apply:</b></p> <input type="checkbox"/> Repeal or revision of regulations. <input type="checkbox"/> Reduction of agency fees or fines to businesses or citizens. <input type="checkbox"/> Greater efficiency in agency services or reduction in compliance burden. <input type="checkbox"/> Other
--	--

<b>METHOD OF CALCULATION</b>	N/A
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*Describe the method of calculation for determining the expected cost or time savings to businesses or citizens.*

<b>REDUCTION OF FEES OR FINES</b>	N/A; the Sea Grant Consortium is not authorized to implement fees and or fines in order to carry out its mission and goals
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*Which fees or fines does the agency intend to reduce? What was the fine or fee revenue for the previous fiscal year? What was the associated program expenditure for the previous fiscal year? What is the enabling authority for the issuance of the fee or fine?*

<b>REDUCTION OF REGULATION</b>	N/A; the Sea Grant Consortium does not have, or need, authority to promulgate or implement regulations
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*Which regulations does the agency intend to amend or delete? What is the enabling authority for the regulation?*

<b>SUMMARY</b>	N/A
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*Provide an explanation of the proposal and its positive results on businesses or citizens. How will the request affect agency operations?*

Economic Development Subcommittee Proviso Request Summary						
FY 22-23 Proviso #	Renumbered FY 22-23 Proviso #	Proviso Title	Short Summary	FY of Proviso Introduction/ # of years in budget	Recommended Action	Proviso Language
48.1	TBD	SGC: Publications Revenue	Revenues collected on the sale of various scientific research documents produced by the Consortium.	Pre-1995/1996	Retain	Funds generated by the sale of pamphlets, books, and other promotional materials, the production of which has been paid for by non-state funding, may be deposited in a special account by the Consortium and utilized as other funds for the purchase of additional pamphlets, books, and other promotional materials for distribution to the public.

## FTE BREAKDOWN BY FUNDING SOURCE

Fiscal Year 2021-22					
Funding Sources	State	Earmarked	Other	Federal	Total
Authorized FTE Levels	7.35	0.00	0.00	9.65	17.00
Utilized FTE Levels (as of 12.31.2021)	7.25	0.00	0.00	9.75	17.00

## PREVIOUS VS. CURRENT FISCAL YEAR BUDGET OVERVIEW

Fiscal Year 2020-21		
Funding Sources	Budget	Expenditures (end of year)
General Fund Appropriations, Recurring (continuing resolution)	\$ 755,722	\$ 755,722
General Fund Appropriations, Carry-forward	\$ 75,572	\$ 31,817
Earmarked Funds Authorization	\$ 450,000	\$ 5,689
Other (Restricted) Funds Authorization	\$ -	\$ -
Federal Funds Authorization	\$ 4,550,000	\$ 1,653,667
<b>TOTALS</b>	<b>\$ 5,831,294</b>	<b>\$ 2,446,895</b>

Fiscal Year 2021-22		
Funding Sources	Budget	Expenditures (as of 12.31.2021)
General Fund Appropriations, Recurring (as ratified)	\$ 820,722	\$ 445,051
General Fund Appropriations, Carry-forward	\$ 43,755	\$ -
Earmarked Funds Authorization	\$ 450,000	\$ 22,871
Other (Restricted) Funds Authorization	\$ -	\$ -
Federal Funds Authorization	\$ 4,550,000	\$ 1,068,579
<b>TOTALS</b>	<b>\$ 5,864,477</b>	<b>\$ 1,536,501</b>

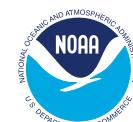
**The Consortium has secured over \$28 million in non-state funding from \$6.3 million in state funding over last 10 years.**

- 435% Return-on-Investment over 10 years
- Consistently returns 248%-435% per year in funding
- Leverages partner participation and services from government, academic institutions, and the private sector.



# South Carolina Sea Grant Consortium

House Ways and Means  
December 20, 2021



**Sea Grant** | S.C. SEA GRANT CONSORTIUM  
*Coastal Science Serving South Carolina*



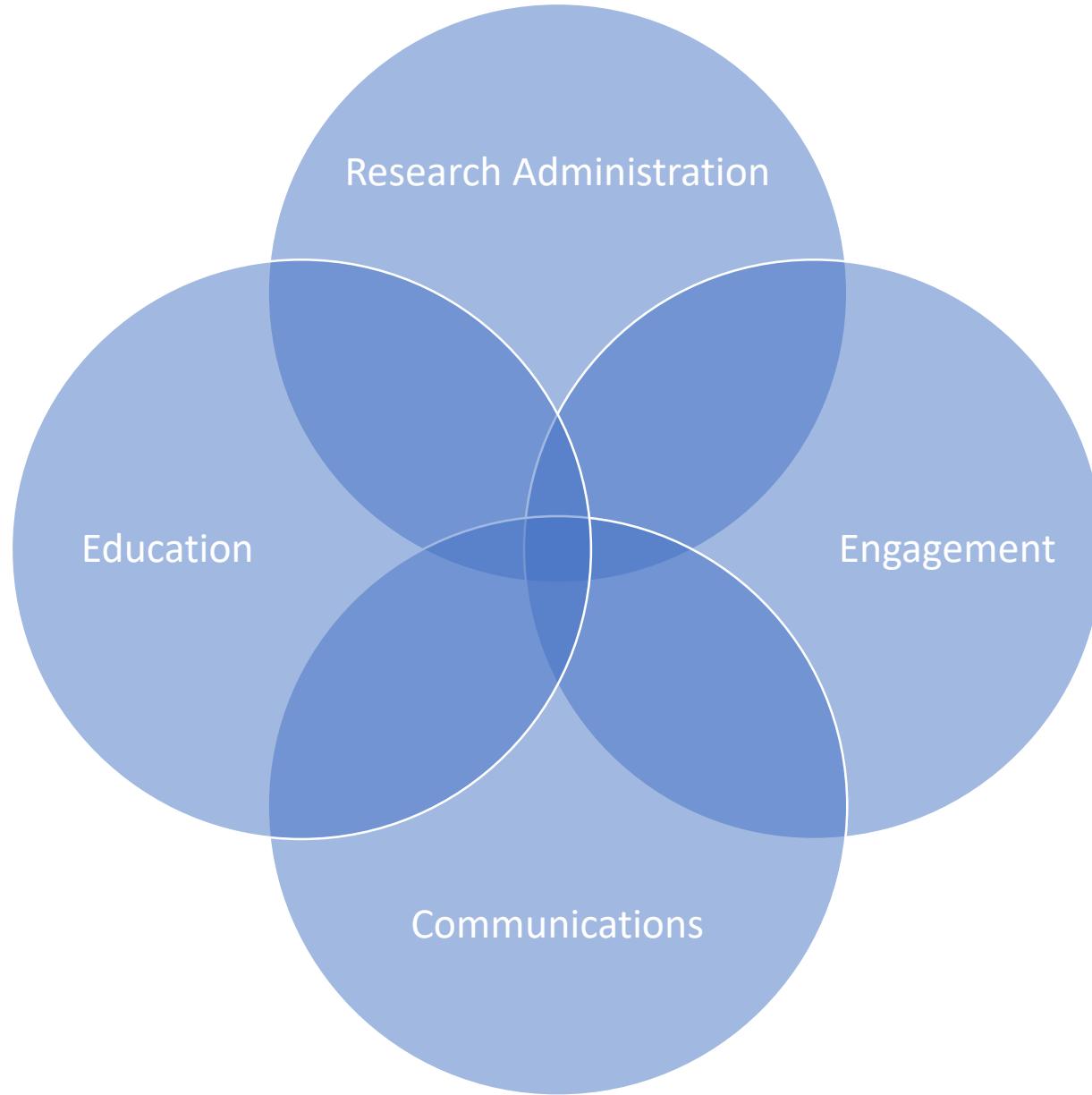
## Our Mission

### Nine Member Board of Directors

We generate and provide science-based information on issues and opportunities to improve the social and economic well-being of our coastal citizens while ensuring the optimal use and conservation of our marine and coastal natural resources.

New Consortium Member December 2021





## Our Niche

The Consortium is unique in that it provides mechanisms by which many interests can engage in producing and sharing Information about our coastal and ocean environment and its economic, environmental, and sociological impacts to the state. Staff support these activities through research administration, coordination and/or leadership, extension, education and communications.



## SOUTH CAROLINA SEA GRANT CONSORTIUM

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# Impacts and Accomplishments

FY 2020-2021



S.C. Sea Grant Consortium  
287 Meeting Street, Charleston, S.C. 29401  
843.953.2078 • [www.scseagrant.org](http://www.scseagrant.org)

## TABLE OF CONTENTS

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Healthy Coastal Ecosystems	3
Sustainable Coastal Development and Economy	4
Weather and Climate Resilience	7
Sustainable Fisheries and Aquaculture	9
Scientific Literacy and Workforce Development	12

# HEALTHY COASTAL ECOSYSTEMS

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## **S.C. Sea Grant Consortium Co-Organizes Grand Strand Regional Stormwater Pond Management Conference**

S.C. Sea Grant Consortium co-organized a pond management conference, providing training and technical assistance to build capacity and inform more than 150 stormwater professionals, homeowners, and local government officials and staff in Myrtle Beach, S.C. Conference planning for 2021 is underway for Beaufort County and the greater Charleston area coastal communities.

## **S.C. Sea Grant Consortium Co-Organizes Regional Grand Strand Healthy Pond Series**

The S.C. Sea Grant Consortium played an essential role in planning and organizing the Grand Strand and North Coast Healthy Pond Series in September and December of 2020.

## **S.C. Sea Grant Consortium Researchers Analyze Impacts of Development on Estuarine Habitat Quality**

S.C. Sea Grant research has demonstrated that there are significant positive relationships between various metrics of sediment contamination (ERMQ) and development intensity, precipitation amount, and temperature. While the correlation to development intensity is fairly well documented, the potential compounding effect that increases in temperature and/or precipitation may have may exacerbate this relationship, leading to increases in contamination at already-impacted sites or an increase in the proportion of sites identified as impacted.

## **Urban Stormwater Runoff as a Source of Microplastic and Tire Wear Particles in Coastal Waterways: Transport, Cumulative Impacts to Biota, and Mitigation**

Consortium researchers have begun characterizing the role of stormwater runoff as a pathway of microplastic entry into our coastal waterways, hoping to inform policy and management decisions that minimize the environmental and economic impacts of this type of debris in the future

## **S.C. Sea Grant Researchers Measuring Marsh Sensitivity to Increased Flow and Sea Level Rise**

Measuring marsh productivity and sensitivity related to environmental drivers is essential to understanding how salt marshes will respond to future changes in sea level. S.C. Sea Grant research will inform models on how marshes build vertical elevation that allows them to adapt to sea level rise.

## **S.C. Sea Grant Consortium Stormwater Ponds in Coastal South Carolina: State of Knowledge Report is Valuable Resource for Pond Managers and Residents**

Since publication in 2019, the Stormwater Ponds in Coastal South Carolina: State of Knowledge Full Report and Executive Summary continue to be useful and valued resources for South Carolina researchers, natural resource

decision-makers, pond managers, and residents.

## **S.C. Sea Grant Consortium Develops New Coastal Environmental Quality Extension Advisory Committee**

The S.C. Sea Grant Consortium (Consortium) continues to build capacity and external Partnerships through establishment of the Coastal Environmental Quality (CEQ) Extension Advisory Committee.

## **S.C. Sea Grant Consortium Participates in South Carolina Harmful Algal Bloom Network**

The mission of the South Carolina Harmful Algal Bloom Network (SC HABNet) is to create a network of agencies with environmental, human health, or wildlife resource management responsibilities and universities conducting research relevant to harmful algal bloom (HAB)-associated subjects. The purpose of the group is the sharing of expertise and resources between members to encourage collaboration and coordination of existing activities. The Consortium serves on this task force and contributes to the coordination, outreach, and branding.

## **S.C. Sea Grant Consortium Develops Methods to Document Ecosystem Service Benefits of Beaches and Barrier Islands**

An outreach document and methods appendix to document the economic benefits of beaches and barrier islands in South Carolina were both drafted and reviewed by external experts.

# **SUSTAINABLE COASTAL DEVELOPMENT AND ECONOMY**

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## **S.C. Sea Grant Consortium Assists McClellanville Community with Sustainable Working Waterfront Planning**

The S.C. Sea Grant Consortium continued to collaborate with McClellanville, its citizens, industry Partners, the watermen, and local nonprofits to implement a much-needed comprehensive master plan and viable business model to protect and sustain the cultural and economic values of the town's working waterfronts.

## **S.C. Sea Grant Consortium and Partners Train Real Estate Agents through "Calling the Coast Home" Continuing Education Series**

The S.C. Sea Grant Consortium and Partners created and taught a series of accredited continuing education courses for 347 real estate professionals. Fifteen virtual trainings were conducted, providing information and resources about important coastal issues for agents to share with clientele. Further offerings have been requested and scheduled in 2021.

## **S.C. Sea Grant Consortium Builds Capacity Within Gullah Geechee Chamber of Commerce and Helps Obtain Federal Funds Eligibility**

S.C. Sea Grant Consortium develops Partnership with the Gullah Geechee Chamber of Commerce and helps them apply for federal funding.

### **S.C. Sea Grant Consortium Develops Rapid Response RFP**

The Consortium developed and was awarded a \$99,500 Direct Marketing Support project for the shellfish aquaculture and nature- based tourism industry, aimed at providing both immediate and long-term solutions to the impacts of COVID-19, all of which will begin in 2021. The “Rapid Response” activities address a vulnerable supply chain using a three-tiered approach: understanding consumer preferences, identifying regulatory obstacles, and direct support of online marketing efforts by S.C. seafood producers.

### **S.C. Sea Grant Consortium Scientists Examine Socioeconomic Aspects of Stormwater Control Measures to Guide Decision-Making in Coastal South Carolina**

S.C. Sea Grant Consortium research results in stormwater managers using cost-benefit methodologies to implement BMPs and related cost-benefit information being incorporated into a Realtor continuing education course “Calling the Coast Home.”

### **S.C. Sea Grant Consortium and Partners Organize Virtual Workshop on Low Impact Development**

S.C. Sea Grant Consortium co-organized a virtual workshop for 150 engineers, landscape architects, stormwater and plan-review staff, planners, and other design professionals, providing training focused on how to correctly use the compliance calculator tool for the Low Impact Development in Coastal South Carolina: A Planning and Design Guide to increase implementation of better site design practices in coastal South Carolina.

### **S.C. Sea Grant Consortium Provides Leadership to South Carolina Nature-Based Tourism Association**

Through the activities of the Coastal Communities specialist, the S.C. Sea Grant Consortium has continued to support the South Carolina Nature-Based Tourism Association, providing technical assistance, conference planning, and small business promotion to help ensure the economic viability and resource sustainability of the South Carolina nature-based tourism industry.

### **S.C. Sea Grant Consortium Provides Rapid Response to Nature-Based Tourism Industries to Address COVID-19 Impacts**

As a result of a Direct Marketing Support grant (\$22,500), the Consortium is engaged in activities to provide immediate and long- term solutions to mitigate the impacts of COVID-19 for the nature-based tourism industry. Rapid response activities underway include developing and implementing marketing strategies to strengthen the South Carolina Nature-Based Tourism Association and its small business members.

## **National Sea Grant Tourism Visioning: Building Partnerships with Sea Grant, Land Grant, and National Extension Tourism**

Through the leadership efforts of S.C. Sea Grant Consortium, Georgia Sea Grant, Hawaii Sea Grant, and Oregon Sea Grant, members of the National Extension Tourism (NET) Design Team, greater integration and participation with the NET Network has resulted. The tourism visioning grant funds provide opportunities for increasing Sea Grant's ability to share best practices and strengthen relationships with Land Grant and other extension professionals working in tourism.

### **S.C. Sea Grant Consortium Expands South Carolina Coastal Information Network**

For the past 14 years, the S.C. Sea Grant Consortium has managed the South Carolina Coastal Information Network, which enhances coordination of outreach efforts and the strategic dissemination of information to coastal communities.

### **S.C. Sea Grant Consortium Develops First Ever Coastal Economics Extension Advisory Committee**

The S.C. Sea Grant Consortium (Consortium) continues to build capacity in internal economic expertise through establishing its first ever Coastal Economics Extension Advisory Committee

### **S.C. Sea Grant Consortium Publishes Assessing South Carolina's Ocean Economy Report Documenting the Status and Trends of South Carolina's Ocean Economy**

Consortium publishes Assessing South Carolina's Ocean Economy 2020 report to detail the status, trends, and future outlook for South Carolina's ocean economy.

### **S.C. Sea Grant Consortium Outlines Concept for Aquaculture Research and Training Study and Return on Investment Analysis**

Concept is outlined to conduct shellfish aquaculture research and training Program feasibility study and return on investment (ROI) analysis.

### **S.C. Sea Grant Consortium Research Suggests Algal Production May Be Primary Source of Dissolved Oxygen Impairment in Stormwater Ponds**

S.C. Sea Grant Consortium research on stormwater conveyances and control structures suggests that reducing particulate and algal loading from runoff could reduce oxygen demand in local receiving waters

### **South Carolina Sea Grant Consortium Researchers Investigate Water Quality Impacts of Development in Tidal Creek Watersheds to Improve Land-Use Planning**

Research supported by the South Carolina Sea Grant Consortium revealed greater salinity, fecal coliform, and enterococcus fluctuations in areas of high development intensity.

## **S.C. Sea Grant Consortium Researchers Analyze Hydrological and Economic Impacts to Coastal Community Access During Nuisance Flood Events**

S.C. Sea Grant consortium researchers are examining green infrastructure interventions to mitigate impacts of nuisance flooding on access to coastal areas.

## **WEATHER AND CLIMATE RESILIENCE**

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### **S.C. Sea Grant Consortium Provides Expertise to Guide Charleston, S.C. All-Hazards Vulnerability and Risk Assessment**

S.C. Sea Grant Consortium provided expert consultation and foundational data sets in flood hazard assessment and facilitated engagement with subject matter experts in earthquake vulnerability assessment at member institutions to inform an all-hazards vulnerability and risk assessment performed for the City of Charleston, S.C.

### **S.C. Sea Grant Consortium and College of Charleston Provide Assessment of U.S. Department of Agriculture Foundational Dataset**

An analysis was conducted to improve the utility of the foundational U.S. Department of Agriculture (USDA) National Agriculture Imagery Program (NAIP), which is a vital resource for research professionals and resource managers across the country.

### **S.C. Sea Grant Consortium and College of Charleston Flood Modeling and Visualizations Enhance Community Resilience**

S.C. Sea Grant Consortium co-developed resilience science and engagement products with several coastal communities in S.C. for use in their adaptation planning initiatives.

### **S.C. Sea Grant Consortium and CISA Provide Coordination and Technical Assistance for Beaufort County Sea-Level Rise Task Force**

Beaufort County, S.C. continues to develop a new Long-Term Resilience Plan and update its comprehensive plan with requested technical assistance from S.C. Sea Grant Consortium. The Consortium is drafting the resilience plan, facilitated in-person and virtual workshops to help shape recommendations, and provided feedback for applying recommendations to the 2021 comprehensive plan update.

### **S.C. Sea Grant Consortium Assists Kiawah Conservancy in Obtaining \$172,758 in Grants for Coastal Resilience Projects**

S.C. Sea Grant Consortium builds capacity within Kiawah Conservancy by providing staff time and expertise to obtain \$172,758 in grant funding for coastal resilience projects.

## **S.C. Sea Grant Consortium Partnership to Develop and Deliver High-Resolution Land Use/Land Cover Data Products for Coastal S.C.**

Staff of the S.C. Sea Grant Consortium collaborated with the College of Charleston and National Oceanic and Atmospheric Administration's Coastal Change Analysis Program (C-CAP) team to develop the highest-resolution land cover data ever created for the coast of South Carolina in order to power environmental modeling in the state.

## **S.C. Sea Grant Consortium Initiates Long-Term Monitoring of the Groundwater Table in Coastal S.C.**

With the importance of understanding characteristics of the groundwater table for both hazard mitigation and environmental health, the S.C. Sea Grant Consortium, alongside a team of experts, began a long-term monitoring study with the installation of a network of groundwater wells across a barrier island system.

## **S.C. Sea Grant Consortium's New Tidal Monitoring Initiative Puts Local Data in the Hands of Local Communities**

A tidal monitoring initiative supported by the S.C. Sea Grant Consortium has resulted in seven new tide gauges installed along the state's coast, with an additional 40 planned for installation across coastal North and South Carolina in 2021.

## **S.C. Sea Grant Consortium Researchers Seek to Provide Real-Time Flood Conditions to Citizens so They Know When and Where to Avoid Driving When Roads Flood in the Charleston Region**

S.C. Sea Grant Consortium researchers are creating a map application to provide real-time flood conditions on roads to end-users Program focus areas: Weather and Climate Resilience

## **S.C. Sea Grant Consortium and CISA Assist Town of Edisto Beach to Plan for Sea-Level Rise and Flooding Risks**

S.C. Sea Grant Consortium resilience specialists engaged with residents of the Town of Edisto Beach, S.C. to plan for climate resilience.

## **S.C. Sea Grant Consortium Workshop at 2020 Social Coast Forum Focuses on Trauma Awareness in Risk Communication**

S.C. Sea Grant Consortium held a workshop at the 2020 Social Coast Forum to discuss how to incorporate trauma awareness into climate and risk communication.

## **S.C. Sea Grant Consortium Submits Final Report for NOAA Regional Coastal Resilience Grant**

The S.C. Sea Grant Consortium received a NOAA Regional Coastal Resilience Grant in 2016 on behalf of the Charleston Resilience Network to develop a parcel-level flood model and conduct neighborhood-level engagement

activities to ground-truth data and educate residents about flood risks. The flood methodology developed through the College of Charleston and the Consortium has been transferred to other parts of coastal S.C. The Consortium submitted the final report in October 2020.

## **S.C. Sea Grant Consortium Assists College of Charleston Class to Develop Vulnerability Assessments for Two Areas in Charleston County**

During the Fall 2020 semester, a graduate course was developed and taught at College of Charleston on applied coastal resilience. Students conducted a vulnerability assessment for their study area and offered recommendations through the engagement of stakeholders and local governments, researching and analyzing data, and gaining real world experience in the field.

## **S.C. Sea Grant Consortium Researchers Examine Sea-Level Rise Risks to Vulnerable Populations**

South Carolina Sea Grant Consortium researchers conducted a comprehensive literature review and analyzed data in an effort to understand sea level rise impacts on socioeconomically vulnerable populations.

## **Consortium Creates Climate Change Impacts Module for Community Nursing Students**

At the request of faculty, the Consortium extension specialists created an asynchronous climate change impacts education module for use by faculty in training 80 students at the MUSC College of Nursing.

# **SUSTAINABLE FISHERIES AND AQUACULTURE**

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## **S.C. Sea Grant Consortium Provides Technical Assistance to Oyster Mariculture Industry, Enabling Sustained Growth**

S.C. Sea Grant Consortium technology transfer efforts have resulted in the propagation of South Carolina- based seed stock to supply the rapidly emerging oyster-farming industry in South Carolina and throughout the South Atlantic region. The total economic benefit attributed to the S.C. Sea Grant Consortium is \$535,203.

## **S.C. Sea Grant Consortium Gains Sustainability Commitments from McClellanville Working Watermen**

The McClellanville Watermen's Association (MWA) have committed to a sustainable and ethical approach toward commercial fishing.

## **S.C. Sea Grant Consortium Builds Capacity for the South Carolina Seafood Alliance**

The South Carolina Seafood Alliance has better positioned itself as an influential professional association for the commercial fishing industry in the Southeast, poised to promote sustainable seafood options and improve the

industry's existing infrastructure and operations.

## **S.C. Sea Grant Consortium Assists with Securing Sustainable Seafood Grants to Non-Profit Fisheries Organizations**

The Consortium played an integral role in the award of three grants to two local non-profit organizations - McClellanville Community Foundation (\$12,000) and the South Carolina Seafood Alliance (\$37,500)-which will collectively support the resilience of the commercial fisheries industry in South Carolina.

## **S.C. Sea Grant Consortium Gets Increased Payout Rates for S.C.-Grown Oysters from U.S. Department of Agriculture Disaster Assistance Program**

S.C. Sea Grant Consortium (Consortium) extension specialists engage with U.S. Department of Agriculture (USDA) Farm Service Agency (FSA) office in Columbia, S.C. to update risk reduction products.

## **S.C. Sea Grant Consortium Scientists Continue to Explore Social Carrying Capacity of Expanding Oyster Mariculture Along the Coast**

Overall, a preponderance of support exists for oyster farming in South Carolina, particularly when it is well-managed and does not interfere with boating.

## **S.C. Sea Grant Researchers are Utilizing Local Charleston, South Carolina Craft Brewery By-Products to Fill Nutritional Gaps in Sustainable Fish Feeds for Juvenile Red Drum**

Consortium researchers are investigating the feasibility of developing a viable by-product from brewery spent grain material for use in high quality fish feeds. This would represent a sustainable use, potential additional revenue stream for breweries, and would assist the domestic aquaculture industry's growth by providing locally sourced, cost effective ingredients to either replace fishmeal or meet specific nutritional requirements.

## **S.C. Sea Grant Consortium Researchers Look for Pathways to Produce Omega-3 Fats for Use in Aquaculture Facilities**

Low nitrogen environments are more suitable for enzyme activity to produce omega 3 fats for use in aquaculture outfits.

## **S.C. Sea Grant Consortium Researchers Developing Spotted Seatrout Model Designed for Enhanced Resource Management**

South Carolina Sea Grant Consortium researchers began designing a spotted seatrout model that more accurately reflects its life history to guide resource managers with decision-making in stock enhancement.

## **S.C. Sea Grant Consortium Researchers Developing Tripletail Fish Culture Techniques for Co-Production in Shellfish Ponds**

S.C. Sea Grant Consortium researchers are establishing tripletail fish culture techniques in an effort to demonstrate feasibility of co-producing them in shellfish ponds as a way to diversify production.

## **S.C. Sea Grant Consortium Researchers Developing Non-Lethal Tool to Aid in Cobia Population Stock Assessments and Restoration**

South Carolina Sea Grant Consortium researchers began building a nonlethal tool to sequence cobia genomes in an effort to begin restoration efforts for inshore spawning populations.

## **S.C. Sea Grant Consortium Scientists Develop Novel Fish Aging Techniques**

S.C. Sea Grant Consortium research led to development of novel methodologies for predicting both annual and daily ages from otoliths of red snapper, and predicting age to 17 years in sand tiger sharks. Additionally, a novel equipment modification for use in scanning very small otoliths for use with near infrared spectroscopy (NIRS) was developed.

## **Consortium Creates South Atlantic Red Snapper Research Program**

After engaging a steering committee and running a competition, the Consortium was awarded nearly \$1.5 Million dollars for the development of a great Red Snapper Count in the South Atlantic.

## **S.C. Sea Grant Consortium Contributes to Clemson-Led Project on Socioeconomic Research for Mariculture Industry**

S.C. Sea Grant Consortium extension specialists provide expertise in successfully implementing shellfish mariculture socioeconomic research project to investigate both consumer and producer.

## **S.C. Sea Grant Consortium Provides COVID-19 Support for the Seafood Industry**

Throughout 2020, the Consortium assisted seafood producers to navigate the challenges posed by COVID-19, by promoting local seafood outlets during a time that access to fresh seafood was difficult and unsafe.

The Consortium also directed seafood producers to relief resources and developed plans to build the resiliency of the seafood supply chain to future disruptions.

## **S.C. Sea Grant Consortium Develops Rapid Response RFP**

The Consortium developed and was awarded a \$99,500 Direct Marketing Support project for the shellfish aquaculture and nature-based tourism industry, aimed at providing both immediate and long-term solutions to the impacts of COVID-19, all of which will begin in 2021. The "Rapid Response" activities address a vulnerable supply chain using a three-tiered approach: understanding consumer preferences, identifying regulatory obstacles, and direct support of online marketing efforts by S.C. seafood producers.

## **S.C. Sea Grant Consortium Develops Red Snapper RFP**

National Sea Grant Office and National Marine Fisheries Service awarded the Consortium \$75,000 to administer a \$1.5M research competition investigating abundance of the South Atlantic stocks of Red Snapper (*Lutjanus campechanus*). The Consortium identified and worked with a steering committee of marine fisheries experts to determine the contents and scope of a Request for Proposals to better understand the stock status of this economically and ecologically important species.

## **S.C. Sea Grant Consortium Contributes to Greater Amberjack Research Needs**

The Consortium contributed to the 2020-2023 Gulf of Mexico and South Atlantic Greater Amberjack Research Program Visioning project - an effort to plan, implement and document a multi-regional, multi-year Greater Amberjack (*Seriola dumerili*) research Program through a cooperative agreement with the National Sea Grant Office (NSGO) and the National Marine Fisheries Service (NMFS). Greater Amberjack is an important recreational and commercial species in the Gulf of Mexico and South Atlantic regions.

## **S.C. Sea Grant Consortium Develops Oyster Production Surveys for “Industry Status and Outlook” Report**

In Partnership with Clemson University economists, the Consortium collected data to be used for a state- wide Shellfish Industry Economic Impact report. The report will detail the extent of shellfish mariculture production in South Carolina, and the impact the industry has on the state economy and employment.

## **S.C. Sea Grant Consortium Outlines Concept for Aquaculture Research and Training Study and Return on Investment Analysis**

Concept is outlined to conduct shellfish aquaculture research and training Program feasibility study and return on investment (ROI) analysis.

# **SCIENTIFIC LITERACY AND WORKFORCE DEVELOPMENT**

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## **S.C. Sea Grant Consortium Graduates First Cohort of Educators from Palmetto Environmental Education Certification Program**

Thirteen formal and nonformal educators become the first certified environmental educators in the state through the Palmetto Environmental Education Certification Program.

## **S.C. Sea Grant Consortium Palmetto Environmental Education Certification Program Becomes Renewal Course Provider by S.C. Dept. of Education**

The Palmetto Environmental Education Certification Program became an approved Renewal Course Provider for 120 credit hours by the S.C. Department of Education.

## **S.C. Sea Grant Consortium Palmetto Environmental Education Certification Program Launches Diversity Scholarship Program**

Diversity Scholarship Program officially launched in 2020 and awarded four scholarships for educators to enroll in the Palmetto Environmental Education Certification Program.

## **S.C. Sea Grant Consortium Secures \$29,600 in Funding to Expand Palmetto Environmental Education Certification Program**

The S.C. Sea Grant Consortium secured \$29,600 in funding to create a Diversity Scholarship, support instructors and administrative assistance, and provide additional educational materials for the Palmetto Environmental Education Certification Program.

## **S.C. Sea Grant Consortium Curriculum Connection Serves as Model for Coastwatch Magazine's Educational Supplement, Coastwatch Classroom**

The format and content of Curriculum Connection, the education supplement to the S.C. Sea Grant Consortium's *Coastal Heritage* magazine, serves as the model for the creation of Coastwatch Classroom.

## **S.C. Sea Grant Consortium Pivots During COVID-19, Delivers 100% of Professional Development Workshops through Online Platforms**

S.C. Sea Grant Consortium adapts 100% of face-to-face professional development to online instruction during COVID-19.

## **S.C. Sea Grant Consortium Adapts From Seeds to Shoreline® K-12 Program Model for Community-Based Restoration**

Support from the National Oceanic and Atmospheric Administration National Marine Fisheries Service restoration grant expanded the From Seeds to Shoreline® K-12 model to include community-level, volunteer-based restoration and monitoring.

## **S.C. Sea Grant Consortium Launches New Educational Resources and Opportunities in Response to COVID-19 Pandemic**

To meet the shifting needs of educators during the COVID-19 pandemic, the S.C. Sea Grant Consortium (Consortium) developed four new online educational resources and opportunities.

## **S.C. Sea Grant Consortium Develops and Adopts Agency-Wide Diversity Plan**

The S.C. Sea Grant Consortium Board of Directors formally approves agency-wide Diversity Plan and actions have improved staff training, increased access to education, and improved diversity among advisory committees.

## **S.C. Sea Grant Consortium Coastal Economics Specialist Gives Guest Lectures at Consortium Member Institutions**

S.C. Sea Grant Consortium (Consortium) Coastal Economics specialist gives guest lectures in Consortium member institution classes on topics related to ecosystem service valuation, South Carolina's blue economy, and how economics and social science techniques can be used to answer environmental questions.

## **S.C. Sea Grant Consortium Website Continues to be a Significant Source of Science-Based Information**

The S.C. Sea Grant Consortium website is a source of science-based information for decision-makers and the public to help them make wise choices regarding coastal natural resource conservation and sustainability. In FY20-21, the website received 86,975 page views, a 21.7% increase from FY19-20.

## **S.C. Sea Grant Consortium's Publications Win Three Prestigious Awards**

The S.C. Sea Grant Consortium won three prestigious awards from the Society for Technical Communication- Carolina Chapter, APEX, and the South Carolina State Library.

## **S.C. Sea Grant Consortium Researchers Evaluate Effectiveness of a Science Outreach Program in Increasing Awareness and Interest in Marine and Climate Science**

S.C. Sea Grant researchers' evaluation of a musical theater and science outreach Program demonstrated increased interest among elementary students, teachers, and university students in incorporating science in their career and teaching choices.

## **S.C. Sea Grant Consortium's Communications and Education Team Creates 10 Publications for K-12 Virtual Learners and Teachers**

In response to the closure of schools and nonformal education institutions during the COVID-19 pandemic, S.C. Sea Grant Consortium's Communications and Education Team created a 10-week set of Ocean Science Journals for elementary, middle, and high school grade bands and seven educator Lesson Plans for various grade levels.

## **S.C. Sea Grant Consortium Fosters Student Support Through Internships, Fellowships, and Research Opportunities**

The Consortium continues to substantially contribute to workforce development through internships, fellowships, and research opportunities.