



**New York Sea Grant's
Biennial Research Call for 2020-2021**

**INVITING PRE-PROPOSALS FOR RESEARCH
Specifically Addressing Portions of NYSG's Strategic Plan for 2018-2021**

***Pre-Proposal Deadline 4:30 PM Eastern, Monday February
25, 2019***

Anticipated Funds: approximately \$120,000 per year for 2 years,
to support about 6-7 projects

The main goal of New York Sea Grant's (NYSG) research program is to generate and provide valid scientific information and tools that will further the sustainable development, use, protection, conservation, and management of our coastal resources. The research must be driven by stakeholder identified research needs and provide enhanced opportunities for NYSG to 'make a difference' and positively impact important coastal issues.

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I. BACKGROUND

[New York Sea Grant](#) (NYSG) is part of a national Sea Grant network that constitutes NOAA's [National Sea Grant College Program](#). NYSG is a cooperative program of the State University of New York (SUNY) and Cornell University, with its main administrative offices located at Stony Brook University and extension offices [located throughout the state](#). In a time of accelerating economic, environmental, and scientific developments, NYSG's mission is to serve New York's diverse coastal communities by assisting them to respond to rapid economic and environmental change.

The New York and National Sea Grant College Programs are committed to diversity, equity, and inclusion (DEI) by recruiting, retaining and preparing a diverse workforce, and proactively engaging and serving the diverse populations of coastal communities. Sea Grant is committed to building inclusive research, extension, communication and education programs that serve people with unique and varied backgrounds, circumstances, needs, perspectives and ways of thinking. We encourage applicants of all races, ethnicities, national origins, gender identities, sexual orientations, disabilities, cultures, religions, citizenship types, marital statuses, veteran status types, and income, and socioeconomic status types to apply for this competitive research opportunity.

NYSG encourages applicants to recruit and engage with students and fellows from underrepresented racial and ethnic groups, individuals with disabilities and individuals from economically or educationally disadvantaged backgrounds that have inhibited their ability to pursue a career in STEM for involvement in the proposed project. In addition, NYSG encourages applicants to clearly identify how this research will have broader societal impacts on the coastal community including stakeholders from underrepresented or underserved communities.

II. NYSG RESEARCH AND TOPICS FOR THIS CALL

Sea Grant projects address well-defined coastal, Great Lakes, or marine issues confronting modern society. While research projects supported by NYSG must address problems or opportunities important to New York State, the results of these projects should also be relevant to regional or national needs and be consistent with the program priorities for the National Sea Grant College Program as contained in the National Network 2018-2021 Strategic Plan.

NYSG supports research on marine, Hudson River estuary, and Great Lakes (and Great Rivers—Niagara and St. Lawrence) topics and issues. Projects can consist of developmental work on new methods, models, tools, techniques, state-of-knowledge synthesis efforts, and hypothesis driven experimental work. The proposed research must show an understanding of what constitutes necessary and sufficient information for responsible decision-making or for applied use and will be expected to generate such. A successful Sea Grant project would provide information or tools that will assist resource managers, communities, and other stakeholders to make decisions or plans regarding coastal resources and environments. Additionally, a project must have sufficient intellectual content and scientific rigor to make it appropriate for university research. The need, significance, products, applicability, target

audience (beyond other academics), and expected impact of the research must be clearly anticipated and described. *These will be key factors in the review process.*

Because Sea Grant's mission includes extension of research and other results to stakeholders, discussions with NYSG extension staff (see list in Section VI) may help hone the focus of proposed research towards particularly useful information. ***Researchers are strongly encouraged to contact NYSG Extension staff with their ideas to improve their understanding of what information and products may be most useful to coastal stakeholders.*** The organization or people whose task it will be to make related decisions, or who will be able to make specific use of the project's results, must be identified in the proposal. Contact with the Extension staff before, during, and after the project by the researchers is expected. **Within two months of an executed contract under this Call, the PI and NYSG staff must develop a project extension and outreach plan to be implemented throughout the duration of the project.**

NYSG encourages multi-disciplinary and multi-investigator research. **Research in and among all disciplines is encouraged—such as in the physical, natural and/or social sciences.** NYSG is also interested in helping to foster new research talent, and encourages submissions from early career investigators and others who have not previously received NYSG funding. The development of future scientists and decision-makers through student education is also important to NYSG. Investigators are encouraged to involve graduate and/or undergraduate students in the conduct of their projects.

Efforts inappropriate for Sea Grant funding include those directed solely toward monitoring or surveys. Expansion of understanding solely for its own sake without regard to application or aiding decision making is also considered inappropriate for Sea Grant.

In this Call for Pre-proposals, NYSG invites projects that will address the specific topics described below. The selected topic must be addressed in the context of the Focus Area and Goal under which it appears which are based on [New York Sea Grant's Strategic Plan for 2018-2021.](#)

Your proposal concept must meet these criteria:

- Address a specific topic under one of NYSG's goals, listed below; **AND**
- Assist NYSG in making progress towards fulfilling the Goal under which the topic appears.

Focus Area A. Healthy New York Coastal Ecosystems

NYSG Goal A1: Coastal and ocean habitats and ecosystems, and the services they provide, are protected, enhanced or restored.

To help achieve this Goal, NYSG is looking to fund research under the following topics:

Topic A1.1 Plastics and Microplastics: Develop techniques, tools and approaches to

assess and address the role and impacts of plastics and microplastics in the environment.

Topic A1.2 Coastal Habitats and Ecosystems: Develop measures and tools to help protect, restore, enhance and mitigate risks to coastal habitats and ecosystems.

Topic A1.3 Ecosystem Services: Research that assesses ecosystem services provided by coastal and ocean habitats and/or resources in the context of threats to these services such as AIS, HABs and/or plastics/microplastics.

NYSG Goal A2: Coastal and ocean waters, lands and living resources are managed by applying sound science, tools and planning to sustain ecosystem function and services to sustain ecosystems.

To help achieve this Goal, NYSG is looking to fund research under the following topics:

Topic A2.1 Harmful Algal Blooms (HABs): Develop tools, techniques and methods to manage and mitigate the impacts of, and prevent or reduce the occurrence of HABs in coastal environments.

Topic A2.2 Climate Change and HABs: Research that addresses the impacts of climate change on the development, occurrence, and duration of HABs and tools, techniques and methods that can pre-emptively address those impacts.

Topic A2.3 Water Quality Protection Technologies: Research that explores the ways to improve water quality through reducing nutrient pollution or emerging contaminants. For example, research that explores the connection between water quality and the effectiveness and impacts of Bio-remediation and Bio-extraction technologies.

Topic A2.4 Social Science to Sustain Healthy Coastal Ecosystems: Research that assists communities and managers in addressing ecosystem challenges from HABs, aquatic invasive species, emerging contaminants, microplastics, marine debris, marine mammal interactions, ocean acidification and/or climate change.

Focus Area B. Sustainable New York Fisheries, Aquaculture and Seafood Businesses

NYSG GOAL B1: Fisheries and aquaculture industries provide food, jobs and economic/cultural values in coastal communities and economies.

To help achieve this Goal, NYSG is looking to fund research under the following topics:

Topic B1.1 Economics of Fisheries, Aquaculture, and Seafood (FAS): Evaluating the

economics of aquaculture operations, seafood processing, seafood marketing (emphasis on underutilized species), FAS support industries, and FAS focused tourism operations.

Topic B1.2 Social-Science of FAS: Develop and provide market data, tools, and information that identify consumer and purchaser preferences for seafood species, product types/categories, and production methods throughout NY State and/or identify strategies for increasing the marketability of NY landed seafood products with emphasis on underutilized species.

Topic B1.3 Advancing Fisheries and Aquaculture: Development of tools and technologies that will promote increased catch/retention of NY seafood. Development of aquaculture and fisheries technologies that will sustain and facilitate growth of FAS industries throughout NY State (i.e. farming systems, fishing gear).

Topic B1.4 Seafood Safety and Quality: Development of tools, techniques and information that addresses seafood safety with emphasis on seaweed safety and micro plastics in seafood. Development of processing methods and technologies to enhance safety practices and maintain quality during seafood processing.

Topic B1.5 Seafood Industry: Development of tools and technologies that will enhance and promote value-added (i.e. changing market form, shelf-life extension, enhanced palatability/flavor profiles etc.) production of NY seafood, particularly of underutilized species.

NYSG GOAL B2: Marine and freshwater fishery resources are conserved and sustained, supporting fishing communities and businesses, including commercial, aquaculture, recreational, and subsistence fisheries.

To help achieve this Goal, NYSG is looking to fund research under the following topics:

Topic B2.1 Fisheries Social Science: Identify motivations behind recreational fishing and fishing preferences. Identify the barriers to sustainability and expansion of fisheries, aquaculture and seafood businesses aimed towards the development of recommendations, tools, and/or technologies for overcoming these barriers.

Topic B2.2 Reducing Bycatch: Development of new methods, technologies and tools for reducing and controlling by-catch and the incidence of barotrauma from catch and release.

Focus Area C. Resilient New York Communities and Economies

NYSG GOAL C1: Vulnerable and at-risk coastal communities are aware of changing

conditions and risks and become resilient to extreme events, coastal hazards, economic disruptions, and/or other threats to community and individual well-being.

To help achieve this Goal, NYSG is looking to fund research under the following topics:

Topic C1.1 Resilience Economics: Update and develop new data and information on the economic benefits of recreational boating and fishing and methods to enhance these and related activities.

Topic C1.2 Resilience Communication: Develop tools and techniques that improve risk communication, especially to underserved/vulnerable communities.

Topic C1.3 Coastal Dynamics: Research that explores how climate change and extreme events impact coastal processes, such as erosion and sediment transport and addresses tools and techniques that communities can use to address these changes.

NYSG GOAL C2: Communities utilize tools and methods to assist in comprehensive planning and implementing adaptive management strategies in order to enhance community resilience and their ability to adapt to natural hazards and changing conditions.

To help achieve this Goal, NYSG is looking to fund research under the following topics:

Topic C2.1 Resilience Social Science: Develop methods and tools to assess common resilience actions (such as retreat, elevate, buyout) as options for improving coastal hazard resilience.

Topic C2.2 Coastal Processes and Dynamics: Develop tools and information to assess coastal hazards (such as flooding and erosion) as well as related hazard mitigation, and adaptation methods.

Topic C2.3 Sustainable Planning: Research that explores the utilization of green infrastructure, smart growth principles, and other sustainable development strategies to increase community resilience and adaptation to extreme events.

III. GENERAL INFORMATION ABOUT PRE-PROPOSAL SUBMISSION

A. Who is Eligible to Submit:

Faculty at academic institutions are the main targets and recipients of NYSG's research funds. Nevertheless, proposals from other groups may be accepted and approved for funding. Eligible groups are listed below in order of preference for funding under this Call:

1. Researchers at universities and colleges.
2. Researchers at other not-for-profit research institutions.
3. Researchers who are personnel of state or local agencies, or of not-for-profit organizations.
4. Researchers at for-profit institutions or companies (with limits).

Important Notes: All proposals submitted under this Research Call for 2020-2021 must be led by an eligible researcher with his or her primary professional base in New York State. Federal employees may participate in projects as collaborators, but they may not be included in the budget. Federal employees and institutions are *not* eligible for compensation or budget items of any sort, and their contributions to the proposed research cannot be used as a source of cost-share. Graduate students cannot be included as PIs.

B. Duration of Proposed Work:

Funding made available under this Call will cover two years (2/1/2020 - 1/31/2022). While NYSG is accepting proposals for up to two years of work, only one year of support is awarded at a time. Continued support for the second year of a project will be contingent on demonstrated progress. Proposals for one-year projects are also welcome.

C. Budget Size (total of indirect plus direct costs):

The total budget request (direct + indirect costs) for a project may not exceed \$120,000 per year. Note that the budget estimates in pre-proposal submissions are expected to be realistic. A substantial increase in the final budget request of invited full proposals will be viewed negatively and may result in either rejection of the project or budget cuts without changes in the scope of work. Awards under this Call are administered as a Cost Reimbursable Award (CRA) and successful applicants must submit invoices to NYSG for reimbursement.

D. Cost-Share Requirement:

Sea Grant requires non-federal cost-share (a.k.a. matching funds) support in the amount of at least 50 percent of the Sea Grant funds requested. For example, if \$100K is requested from Sea Grant, the proposal's budget page must demonstrate an additional \$50K of non-federal cost-share. Additional cost-share (i.e., more than 50%) is not needed but welcomed if provided.

E. Limit on Salary Requests:

Principal and associate investigators with appointments providing nine (9) or more months of support annually are generally not allowed to receive more than two (2) months' total salary from NYSG per year. Other eligible principal and associate investigators will generally be allowed to receive up to six (6) months' salary from NYSG per year. These limits may be relaxed under exceptional circumstances, with prior approval from NYSG. Under all circumstances, the amount of salary support requested or provided as cost-share must be warranted by the effort needed to conduct the project.

F. Regional or Multi-state Proposals:

All Sea Grant programs are on the same funding cycle, which facilitates collaborative projects between states. If you are interested in submitting a regional or multi-state proposal that is not part of a special Regional Call, you must contact NYSG's Director and your co-PIs must contact their state Sea Grant director(s) or research coordinators prior to submission. It is critical that submitters be familiar with, and comply with, the due dates and processes as specified by their state's Sea Grant program.

G. Duplicate Submissions:

NYSG should be immediately informed by the Principal Investigator if a proposal submitted under this Call will also be submitted elsewhere, e.g., in response to a call released by the National Sea Grant College Program, another state Sea Grant program, or any other funding agency or source. It is NYSG's policy to consider only proposals submitted specifically in response to, and within the due dates for, this Call. Full proposals will not be considered unless they were in this Call's pool from the start as a pre-proposal.

H. Data Management/Sharing Plan:

NOAA regulations require that data and information collected and/or created under NOAA (including Sea Grant) grants must be made visible, accessible, and independently understandable to general users, free of charge or at minimal cost, in a timely manner (typically no later than two years after the data are collected or created), except where limited by law, regulation, policy or by security requirements.

The requirement has two basic parts: (1) environmental and socio-economic data generated by a grant project must be made available after a reasonable period of exclusive use, and (2) the grant proposal must describe the plan to make the data available.

To comply with this requirement, in NYSG's full proposal stage, the principal investigator must include a data management plan that describes how the project's data and metadata will be made available to others. Deposition of data in standard data archives (e.g., by discipline) or in available university archives is encouraged. This requirement for data archiving is in addition to the expected publication of research results in peer-reviewed journals. The proposed plan will be reviewed for compliance with NOAA requirements. If funds are needed for this task, they may be included in the project pre-proposal and full proposal budgets.

I. Extension and Outreach Plan:

Principal investigators of research projects funded under this award must develop, in collaboration with NYSG staff, an extension and outreach plan within two months of the start of the project. The extension and outreach plan is to be implemented throughout the duration of the project. The plan should be customized for the specific funded project and use tools and methods and target the audiences most appropriate to maximize the potential impact and use of the project results. Outreach plans can include a variety of tools and activities in any combination, including workshops, talks, social media, websites, articles, videos or other ideas developed in the plan. An extension and outreach plan template is provided with the instructions for full proposals sent to PIs encouraged to submit full proposals. Principal investigators of funded research projects will be contacted by NYSG staff after the start of their project to coordinate the development of the outreach plan.

J. Sea Grant Scholar Fellowships:

The Sea Grant Scholar Fellowship awards are a mechanism through which NYSG stimulates study and provides support, in the form of a stipend, to graduate students who carry out research relevant to projects funded through its program. In this case Sea Grant Scholars are fellows rather than employees which saves some costs to the project's budget.

Sea Grant Scholar Fellowship stipends are pre-determined by the principal investigator(s) of the project, and are based on the prevailing rates of the student's department at the time the project's budget was submitted to NYSG for funding consideration. When the project award is made, the investigator's account will not include funds proposed for Sea Grant Scholar Fellowship stipends. Those funds are "withheld" and Sea Grant Scholar payroll distribution is managed directly by NYSG. Any funds for Scholars are specified on the project's Award Acceptance Form, and also appear separately at the bottom of the project's budget page.

Full Sea Grant Scholar Fellowship details are sent with the full proposal instructions for PIs encouraged to submit full proposals. For questions, please contact New York Sea Grant's fiscal officer- JeanAnn Johnston at 631-632-6908 or jean.johnston@stonybrook.edu

K. What and When to Submit:

NYSG uses a pre-proposal process. A complete, PC-readable Pre-proposal Submission Form (see Section VII) ***must be received by the deadline of 4:30 pm EST on Monday, February 25, 2019*** through NYSG's electronic submission web site: www.NYSGProposal.org. Click on "New York Sea Grant's Biennial Research Call for 2020-2021" under "Current Funding Opportunities" and follow all directions for electronic submission. *At the pre-proposal stage, signatures of principal investigators or campus officials are not required.*

Use all-around margins of at least 1" and a font size no less than #12 Times New Roman. Convert your document to pdf before submission. *Your project description, parts 6a – 6c is to be a maximum of two pages.* Anything beyond two pages will be discarded prior to review.

Do not include information or materials supplemental to the Pre-proposal Submission Form (e.g., full budget, appendices, letters of support, etc.). Such materials will be discarded without review.

Important notes about pre-proposal submission:

Submissions that do not include the required information will not be considered (see Section VII for Instructions).

- Double-check your Pre-proposal Submission Form file before uploading it at the submission web site to make sure it is PC-readable and that it is the final version. *The submission must be in the form of a single pdf file.* You will receive an auto-receipt from the web site confirming your submission.
- We recommend submission via a PC at your university office, with a current version of Firefox or Google Chrome web browser installed.
- If you have trouble with submission through www.NYSGProposal.org, call NYSG (631-632-6906) to explain the problem. We will try to help, but cannot guarantee that we can solve your problem. In any case, unless the web site becomes inoperable, it is *your* responsibility to use equipment that will allow you to meet the deadline.
- A pre-proposal submitted after the deadline of 4:30 pm EST on Monday, February 25, 2019 will not be accepted and its lead investigator will be notified. Please be sure to

watch the website’s clock! Even if you are on the website before the deadline, if your file is not submitted by 4:30 PM, it will be too late to be accepted.

NYSG will not make exceptions to these conditions, so *early submission is very strongly advised*. The official time stamp on the submission is provided by the website’s server.

IV. THE REVIEW PROCESS

Pre-proposals submitted to NYSG in response to this Call will be reviewed by NYSG’s senior program managers, extension specialists, and Program Advisory Council. The following criteria will be used in this evaluation:

- How well the project responds to one or more of the research priorities contained in Section II (0 to +5)
- Likelihood that the approach will be successful (0 to +2)
- Expected products and anticipated impact(s) from the results (0 to +5)
- Other programmatic considerations

Only authors of the most highly-rated pre-proposals will be encouraged to submit full proposals. In this cycle, NYSG will invite about twice as many full proposals as it expects to be able to fund. Any PI who submits a preproposal is permitted to submit a full proposal. However non-encouraged proposal submissions will be accepted but have a low chance of success. During full proposal development, investigators will be expected to facilitate coordination with, or input from, industry, agency, or private groups as appropriate. NYSG staff will attempt to assist in this process.

Full proposals will be subject to peer review and a special Technical Review Panel. NYSG’s senior program managers will also utilize additional input from NYSG’s staff and Program Advisory Council. The specific projects NYSG includes in its 2020-2021 omnibus proposal to the National Sea Grant College Program will be selected primarily on the basis of the following criteria: responsiveness to the NYSG conditions and priorities outlined in this Call; significance of the specific problem or opportunity; scientific or technical merit of the project, including also the professional qualifications of investigators and appropriateness of the budget request and match; expected products and anticipated impact(s) from the results; and other programmatic value. The PI’s performance and accomplishments on previous NYSG-funded research will also be considered, if applicable.

V. 2020-2021 CALL TIMELINE

January 7, 2019	Call for pre-proposals released
February 25, 4:30 pm	Deadline for pre-proposals (must use NYSG submission web site)
April 15	NYSG encourages selected PIs to submit full proposals
June 7, 4:30 pm	Deadline for full proposals with all authorized signatures (must use NYSG submission web site)
July 31	Full proposal PI’s receive masked peer reviews for response
August 7	Deadline for PI responses to reviews

August 26	NYSG notifies all investigators of funding decisions
September 23	Deadline for revisions, final budgets and Word/Excel versions of successful proposals
February 1, 2020	Anticipated funding begins for new projects
By April 1, 2020	Outreach plan for the funded project is developed by PI and NYSG staff
February 1, 2021	Anticipated funding continues for 2-year projects with satisfactory progress

VI. NEW YORK SEA GRANT STAFF

Research Administration (at Stony Brook University)

Katherine Bunting-Howarth, Interim Director (631-632-6905/607-255-2832)

kathybh@cornell.edu)

JeanAnn Johnston, Fiscal Officer (631-632-6908, jean.johnston@stonybrook.edu)

Lane Smith, Research Program Coordinator (631-632-9780, lane.smith@stonybrook.edu)

Extension Specialists (locations throughout New York State)

Katherine Bunting-Howarth, Associate Director (607-255-2832 at Cornell University, kathybh@cornell.edu) – coastal policy and decision-making; public participation; human dimensions of coastal management.

Mary Austerman (315-331-8415 at Wayne County Cooperative Extension, mp357@cornell.edu) – Great Lakes coastal communities; climate adaptation and resilience planning; aquatic invasive species.

Helen Cheng (718-951-5415 at Science and Resilience Institute at Jamaica Bay, Brooklyn College, helen.cheng@cornell.edu) – coastal resilience, climate, urban ecology and biology.

Michael Ciaramella (631-632-8730 at Stony Brook University, mc2544@cornell.edu) – seafood safety; seafood production/processing; seafood utilization; seafood education.

Antoinette Clemetson (631-727-3910 at Stony Brook University, aoc5@cornell.edu) – marine recreational fisheries; lobsters; marine animal diseases.

Helen Domske (716-645-3610 at SUNY Buffalo, hmd4@cornell.edu) – coastal education; avian botulism; Great Lakes ecosystems; emerging contaminants.

Kathleen Fallon (631-632-8730 at Stony Brook University, kmf228@cornell.edu) – marine facilities; coastal processes and erosion control; sea level rise and other coastal hazards.

Nordica Holochuck (845-340-3983 at Cornell Cooperative Extension of Ulster County in Kingston, nch8@cornell.edu) – stewardship; coastal recreation; habitat issues; aquatic invasive species; Hudson River issues.

Jesse Lepak (315-312-3042 at SUNY College Oswego, jml78@cornell.edu) – Great Lakes fisheries, ecosystem health.

Krista Stegemann, (631-632-8730 at Stony Brook University, ks2336@cornell.edu) – marine debris, ocean ecosystems, environmental education and outreach.

Anna Weshner-Dunning, Long (631-632-9216 at Stony Brook University, amw392@cornell.edu) – environmental stewardship and education, outreach and communications: Long Island Sound.

David White (315-312-3042 at SUNY College Oswego, dgw9@cornell.edu) – coastal recreational facility design, management, and operation; coastal recreation participation, uses, and impacts.

Roy Widrig (315-312-3042 at SUNY College Oswego, rlw294@cornell.edu) – Great Lakes coastal processes and hazards; aquatic invasive species.

Communications Staff (at Stony Brook University)

Paul Focazio (631-632-6910, paul.focazio@stonybrook.edu) – communications manager, web developer.

VII. PRE-PROPOSAL SUBMISSION FORM INSTRUCTIONS

Be sure to use the format and provide the information as described below. **Every Section (1-9) and all of the information specified within it is required.** Submissions that do not include all of this information will NOT be considered. Use all-around margins of at least 1” and a font size no less than #12 Times New Roman. Convert your document to pdf before submission.

Pre-proposal Submission to the NYSG Biennial Research Call for 2020-2021

Date: _____

1. **LAST NAMES OF PRINCIPAL INVESTIGATORS:** (e.g., Smith / Doe / Jones)

2. **BRIEF PROJECT TITLE:**

3. **INVESTIGATOR(S):** List **all** principal (PI), co-principal (co-I), and associate (AI) investigators, including name, mailing address, telephone, and email for each. *Also* indicate eligibility category (#1, 2, 3, or 4) from the Call’s Section III.A for each. The primary institutional affiliation of the lead investigator must be an institution located in New York State. Students and NYSG staff cannot have PI, co-I, or AI status.

4. **TYPE OF PROJECT:**

A. Addressing Which Research Topic: Indicate the Research Goal, and Topic, from Section II of this Call that will be addressed by this submission (e.g., *Goal A1, Topic A1.2 Coastal Habitats and Ecosystems: Develop measures and tools to help protect, restore, enhance and mitigate risks to coastal habitats and ecosystems.*)

B. Regional or multi-program submission? Indicate yes or no, whether the pre-proposal is part of a regional or multi-program submission being considered by other state Sea Grant programs. If yes, indicate which Sea Grant programs. Proposals in response to Special Regional Sea Grant RFP’s should not be submitted with this form.

5. **BUDGET:** Total of direct plus indirect costs.

A. Estimated Request for Federal Funds from New York Sea Grant

Year One \$ _____ Year Two \$ _____ Total Request \$ _____

B. Estimated Non-Federal Cost-Share to be Provided to New York Sea Grant

Year One \$ _____ Year Two \$ _____ Total Match \$ _____

**C. Expected Source(s) of Cost-Share: Year One:
Year Two:**

D. Data Management Plan: Indicate your recognition that an acceptable data management/sharing plan will be required as part of a full proposal, that compliance with the plan will be required if the project is funded, and that the preproposal's budget estimate provides for this. Yes.

E. Extension and Outreach Plan: Indicate your recognition that an acceptable extension and outreach plan developed with NYSG extension staff will be required by two months after the start of a project if the project is funded, and that the preproposal's budget estimate provides for this. Yes.

6. BRIEF DESCRIPTION OF PROJECT: Starting on a *new* page, **use no more than two pages** with the following a-c headings to describe your proposed project. Use all-around margins of at least 1" and a font size no less than #12. Anything beyond two pages will be discarded prior to review.

- a) **STATEMENT OF THE ISSUE AND OBJECTIVES:** Explain how the research you propose will address the topic you have chosen from Section II's list. Present the overall objectives of your proposed study. Alternatively, if the proposal involves model and/or decision-making tool development, clearly state the intent.
- b) **APPROACH:** Very briefly describe the general approach to be used in accomplishing the objectives.

EXPECTED PRODUCTS AND ANTICIPATED IMPACT(S): Explain what products (techniques, tools, models, and scientific information) are expected to result from this project, who will use them, and what their anticipated impact(s) will be within New York and elsewhere. *This is one of the most important sections of your submission!*

7. LITERATURE CITED: Present the full citations for any work referenced in Section 6, where they may be labeled as (1), (2,3), etc. The space required for Section 7 is not counted under the 2-page maximum for Section 6. If no references are used in Section 6, state "none".

8. CVs: Provide a Curriculum Vita for each listed investigator (Principal Investigator, Co-Principal Investigator, Associate Investigator) with a 2-page maximum per person, using the format required by NSF. Contact NYSG if you need more information.

9. POSSIBLE PEER REVIEWERS: Starting on a new page, list the names and affiliations of four out-of-state individuals of national standing and pertinent expertise who we might ask to provide peer reviews of your submission. Do *not* include individuals with whom you have worked or collaborated within the last 4 years or who would be considered to have a professional or personal conflict of interest. We may or may not use these individuals, so do not contact them yourself. You may also request for certain individuals to not be asked to review your proposal.

The information for Section 9 is for internal NYSG use only. Like Sections 1 through 8, omitting this section will cause your submission to be rejected.