



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1210

1. Title of Project: Loggerhead Marinelife Center Improving Water Quality and Coastline Cleanliness

2. Senate Sponsor: Bobby Powell

3. Date of Submission: 02/07/2019

4. Project/Program Description:

Funding from the State is twofold. It would allow LMC to (1) document health effects of harmful algal blooms on marine wildlife across Florida and (2) increase number of cleanups, further analyze pounds of trash removed, and evaluate the impacts of plastic debris and contaminants on wildlife. Activities and services of the first project will be (1) document toxins in the plasma of green, loggerhead, and Kemp's ridley sea turtles in three locations in Florida (Big Bend, the IRL, and Florida Bay) that are subject to harmful algal blooms, (2) document turtle prey species and their subsequent toxins in the diet of the turtles, (3) compare toxin loads across sites, and (4) compare toxin loads to immune function and disease prevalence. The major goals of the second project are to (1) conduct local beach cleanups, (2) conduct underwater cleanups of Juno Beach Pier and 31 other areas in the state, and (3) trash & marine debris collecting, sorting, and analysis.

5. State Agency to receive requested funds : Department of Environmental Protection

State Agency Contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020

Type of Funding	Amount
Operations	499,565
Fixed Capital Outlay	
Total State Funds Requested	499,565

7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	499,565	38.18%
Federal	0	0.00%
State (excluding the amount of this request)	0	0.00%
Local	0	0.00%
Other	808,920	61.82%
Total Project Costs for Fiscal Year 2019-2020	1,308,485	100.0%

8. Has this project previously received state funding? No

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	NonRecurring		

9. Is future-year funding likely to be requested? No



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10. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	Salaries and benefits are included for the Director of Research and Conservation Coordinator, the leads on these projects. A total of 20% FTE for the Director of Research (for each project) and 30% FTE for the Conservation Coordinator are requested.	28,198
Other Salary and Benefits	Salary and benefits for other full-time staff and seasonal employees that will be assisting with these projects are included. 5 % FTE is requested for the Research Data Manager, the Field Operations Coordinator, the Field Operations Assistant. Two stipends for seasonal technicians are also included.	20,000
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study	Subcontracts for associated collaborators at Harbor Branch Oceanographic Institute-Florida Atlantic University, the University of Connecticut, and the IHA-NASA Ecological Program.	132,415
Operational Costs:		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other	Costs associated with these projects include underwater/beach cleanup/pollution prevention/other field sampling supplies, toxin/plasticizer analyses, algal species identification, immune function and hormone analyses, disease analyses, tags, nets, expendables, shipping costs, and travel for the PIs to scientific conferences.	318,952
Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		499,565

11. Program Performance:

a. What is the specific purpose or goal that will be achieved by the funds requested?

The specific purpose for these requested funds is to improve upon the health and cleanliness of Florida's beaches and waterways through rigorous beach and underwater cleanups and evaluation of the health of Florida's charismatic wildlife in regards to plastic pollution and harmful algal blooms (red tide, blue-green algae).

b. What are the activities and services that will be provided to meet the intended purpose of these funds?

The activities and services to be provided are (1) expanding science-based nationally recognized debris removal and sorting to better identify up stream sources and ultimately reducing debris in and around Florida's coastal



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ecosystems, (2) keeping critical tourism beaches cleaner, (3) keeping critical sea turtle nesting beaches cleaner, (4) engaging corporations, school children, policy makers, and influencers to engage in keeping Florida's beaches cleaner, and (5) leverage Florida's wildlife to serve as indicators of ocean health to better understand the impacts of plastic pollution and Florida's algal blooms (red tide & blue green algae) on wildlife and ecosystems.

c. What are the direct services to be provided to citizens by the appropriations project?

This project will not only help to keep Florida beaches clear of trash and debris but aims to create innovative long-term solutions to ocean pollution to help keep Florida reefs, beaches, and wildlife healthy for generations to come. The resulting data from the wildlife health research projects can be used to improve management decisions and support protection measures in Florida's coastal areas, as healthy wildlife species are direct indicators of coastal and ocean health. These projects will aid in boosting the community by increasing or maintaining tourism in the state of Florida.

d. Who is the target population served by this project? How many individuals are expected to be served?

The target population served by this project are coastal communities, residents, tourists, and wildlife in the state of Florida. By keeping the beaches and the coastal environment clean, tourism will continue to thrive in Florida and locals and tourists alike will be able to enjoy pristine beaches and reefs long into the future. These projects will benefit thousands of local residents, tourists, and beach-goers.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

The outcome of this project is direct removal of fishing line and other trash from the marine environment and the development of long-term pollution prevention initiatives to prevent debris from entering the ocean and potentially harming marine life. Through these results, we will seize the opportunities to educate the public regarding the impacts of plastic pollution, contaminants, and harmful algal bloom toxins on sea turtle health through tangible displays, media contacts, and scientific communication/publication. Measures of the realized value include improvements in ecosystem and species protection and management policies, as well as shifts in scientific and public thinking brought about by these results. The outcome will be measured by pounds of debris removed from the marine environment monthly or yearly by this project, miles of fishing line removed during underwater cleanups, the number of beach cleanups held yearly, and peer-reviewed scientific publications.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for in the contract?

Repayment of funds.

12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.

N/A

13. Requestor Contact Information:

a. Name: Jack Lighton

b. Organization: Loggerhead Marinelifelife Center, Inc.



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c. **E-mail Address:** jlighton@marinelife.org

d. **Phone Number:** (561)627-8280

14. Recipient Contact Information:

a. **Organization:** Loggerhead Marinelife Center, Inc.

b. **County:** Palm Beach

c. **Organization Type:**

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Entity
- University or College
- Other (Please specify)

d. **Contact Name:** Jack Lighton

e. **E-mail Address:** jlighton@marinelife.org

f. **Phone Number:** (561)627-8280

15. Lobbyist Contact Information

a. **Name:** Nick Iarossi

b. **Firm Name:** Capital City Consulting, L.L.C.

c. **E-mail Address:** niarossi@capcityconsult.com

d. **Phone Number:** (850)445-7255

Please complete the questions below for Water Projects only

16. Have you applied for alternative state funding?

- Wastewater Revolving Loan
- Drinking Water Revolving Loan
- Small Community Wastewater Treatment Grant
- Other (Please describe)
- N/A

17. What is the population economic status?

- Financially Disadvantaged Community (ch. 62-552, F.A.C)
- Financially Disadvantaged Municipality (ch. 62-552, F.A.C)
- Rural Area of Economic Concern
- Rural Area of Opportunity (s. 288-0656, Florida Statutes)
- N/A

18. What is the status of construction? N/A



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19. What percentage of construction has been completed? N/A

20. What is the estimated completion date of construction? N/A