



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2024-2025

LFIR # 2731

1. Project Title

2. Senate Sponsor

3. Date of Request

4. Project/Program Description

This project is to test the ability of C&M Dredging and Revive Water Technologies to 1) suction organic material from the bottom of a nutrient -rich lake, 2) rapidly dewater the sediments to a truckable form, 3) return the water with sufficient quality to the water body, and 4) place the organic soils on agricultural lands. The loss of organic topsoil has been identified as a national imperative and research has shown that eutrophic lakes like Lake Okeechobee cannot achieve desired water quality and reduced algal blooms unless organic sediments are removed. If successful, this technology can greatly lower the costs of dredging lakes, but much of the agricultural community will not want wet material that precludes normal farming operations. The work at Bivans Arm, which is located adjacent to UF/IFAS, will also be a demonstration project where people looking to restore nutrient rich lakes can see the new technologies in action and will UF scientists to evaluate other potential uses.

5. State Agency to receive requested funds

State Agency contacted?

6. Amount of the Nonrecurring Request for Fiscal Year 2024-2025

Type of Funding	Amount
Operations	14,000,000
Fixed Capital Outlay	0
<b>Total State Funds Requested</b>	<b>14,000,000</b>

7. Total Project Cost for Fiscal Year 2024-2025 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	14,000,000	99%
<b>Matching Funds</b>		
Federal	0	0%
State (excluding the amount of this request)	200,000	1%
Local	0	0%
Other	0	0%
<b>Total Project Costs for Fiscal Year 2024-2025</b>	<b>14,200,000</b>	<b>100%</b>

8. Has this project previously received state funding?

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

9. Is future funding likely to be requested?

a. If yes, indicate nonrecurring amount per year.

b. Describe the source of funding that can be used in lieu of state funding.



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Put the Land Back on the Land concept is being considered for federal funding, but Congress wants a successful demonstration of the rapid sediment dewatering system. If the USDA accepts, federal funds for the dredging of Lake Okeechobee may become available.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

If yes, indicate the amount of funds received and what the funds were used for.

## Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

- Planning   
  Design   
  Construction   
  N/A

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List the owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

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

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
<b>Operational Costs: Other</b>		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other	The remaining \$375,000 will be used by UF/IFAS to cover indirect costs	375,000
Consultants/Contracted Services/Study	This will be used to execute a contract with company that will be conducting the site restoration	13,625,000
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		0
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>14,000,000</b>

14. Program Performance



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

Approximately 150,000 cubic yards of bottom sediments will be removed from the lake and processed for disposal on pasture land

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

C&M Dredging and Revive Water Technologies will prepare the site and mobilize all needed equipment. Equipment, personnel, support, and supervision to perform the hydraulic suctioning of materials and the dewatering sediments will be provided by C&M Dredging and Revive Water Technologies. Disposal of accumulated silt, organics and muck material will involve the private companies and UF/IFAS scientists. The private companies will also cleanup and restore the site at the end of project.

**c. What direct services will be provided to citizens by the appropriation project?**

Citizens at Bivans Arm will have the most shallow area of the lake depended to provide boat navigation. If successful, the citizens of Florida will have a technology that will greatly reduce the overall cost of dredging. Because the system is scalable it will permit dredging in urbanized areas where land is limited for disposal by traditional dredging techniques.

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

Approximately 900 uses of Bivans Arm and ultimately all Floridians.

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

This project is focused on rapidly dewatering sediments, approximately 150,000 cubic yards of sediment, to the point it can be directly placed on agricultural lands. Aspects of the return water quality will also be evaluated.

**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 the contract?**

If the sediments are not sufficiently dewatered in the first quarter of the proposed dewatering period of the 12 month project, the project will be ended and the companies will restore the site.

**15. Requester Contact Information**

**a. First Name**  **Last Name**

**b. Organization**

**c. E-mail Address**

**d. Phone Number**  **Ext.**

**16. Recipient Contact Information**

**a. Organization**

**b. Municipality and County**

**c. Organization Type**

- For Profit Entity
- Non Profit 501(c)(3)
- Non Profit 501(c)(4)
- Local Entity



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University or College

Other (please specify)

d. First Name  Last Name

e. E-mail Address

f. Phone Number

#### 17. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number

### Please complete the questions below for Water Projects only.

#### 18. Have you applied for alternative state funding?

- Waste Water Revolving Loan
- Drinking Water Revolving Loan
- Small Community Wastewater Treatment Grant
- Other (please specify)
- N/A

#### 19. 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

#### 20. What is the status of construction?

C&M Dredging and Revive Water Technologies will prepare the site and mobilize all needed equipment. Equipment, personnel, support, and supervision to perform the hydraulic suctioning of materials and the dewatering sediments will be provided by C&M Dredging and Revive Water Technologies. Disposal of accumulated silt, organics and muck material will involve the private companies and UF/IFAS scientists. The private companies will also cleanup and restore the site at the end of project.

#### 21. What percentage of the construction has been completed?



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0%

**22. What is the estimated completion date of construction?**

July of 2025