

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date:	May 3, 2022	(X) Consent	() Regular
		() Workshop	() Public Hearing
Department:	<u>Environmental Resources Management</u>		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to:

A) adopt a Resolution For Assistance 2022 in support of a Waterways Assistance Program (WAP) Grant Application to the Florida Inland Navigation District (FIND) to fund up to \$365,000 or 50% of the construction costs for the Providencia Cay Habitat Restoration Project (Project); and

B) authorize the County Administrator, or designee, to execute the Grant Project Agreement (Agreement), to sign all future time extensions, task assignments, certifications, and other forms associated with the Agreement, or any necessary minor amendments that do not substantially change the scope of work, or terms and conditions of the Agreement, if the grant is approved.

Summary: The FIND WAP Grant will reimburse the County up to \$365,000 to create 5.5 acres of mangrove, oyster reef and seagrass habitat within the Lake Worth Lagoon (LWL). The Project also includes new areas for water-based recreation providing fishing, bird observation and paddling opportunities. If successful in receiving the grant, the deadline to spend the funding will be September 2024. **There is no cost to the County at this time.** If awarded, the County will have to provide a match in the amount of \$365,000, representing a 50% cost-share. Matching funds will come from Manatee Protection Fund. District 7 (SS)

Background and Justification: FIND offers grants to local governments through its WAP for public projects directly related to its waterways. Environmental Resources Management has a long history in receiving WAP funding, most recently with a \$701,700 grant award for the Sawfish Island Project (R2020-0474). The Project will be constructed within the LWL between the Flagler Bridge and Currie Park, within the City of West Palm Beach. The Project includes the placement of 52,000 cubic yards of clean fill to create 5.5 acres of mangrove, oyster reef and seagrass habitat. Construction is anticipated to begin in the spring of 2023. The Resolution is based on the standard form resolution included and required in the FIND WAP Grant Application.

Attachments:

- 1. Resolution
- 2. FIND Waterways Assistance Program FY 2022 Grant Application

Recommended by:		<u>4/15/22</u>	SAS 4/15/22
	Department Director	Date	

Approved by:		<u>4/20/22</u>
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	_____	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget? Yes _____ No X

Does this item include the use of federal funds? Yes _____ No X

Budget Account No.:

Fund _____ Department _____ Unit _____ Object _____ Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

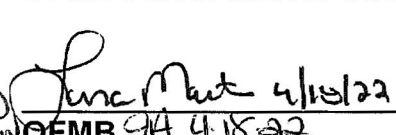
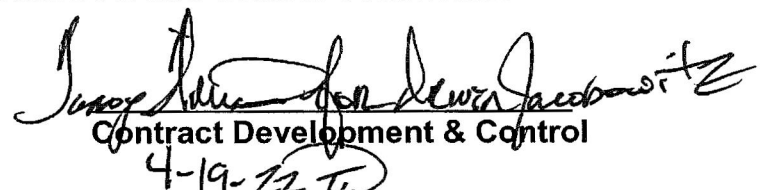
No fiscal impacts at this time. Should the grant be awarded, a budget amendment will be submitted to the Board for approval.
Match funding for this Project will come from Manatee Protection Fund.

C. Department Fiscal Review:

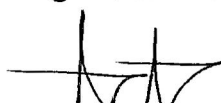


III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:

 June Mait 4/18/22
OFMB 9A 4/18/22
B. 4/18/22
 Joseph Adams for Steven Jacobowitz
Contract Development & Control
4-19-22 TW

B. Legal Sufficiency:


4/20/22
Assistant County Attorney

C. Other Department Review:

Department Director

ATTACHMENT E-7
RESOLUTION FOR ASSISTANCE 2022
UNDER THE FLORIDA INLAND NAVIGATION DISTRICT
WATERWAYS ASSISTANCE PROGRAM

WHEREAS, PALM BEACH COUNTY is interested in carrying out the following described project for the enjoyment of the citizenry of Palm Beach County and the State of Florida:

Project Title: Providencia Cay Habitat Restoration Project

Total Estimated Cost: \$ 730,000

Brief Description of Project:

Providencia Cay Habitat Restoration will enhance approximately 6 acres of Lake Worth Lagoon by creating seagrass, oyster reef, and mangrove habitats. In partnership with the marine community, the project will accomplish restoration through beneficial re-use of 52,000 cubic yards of dredged material that will cap fine grain muck sediments and placement of limestone rocks to create suitable seagrass habitat and one mangrove island. The project will also serve as a natural buffer between the Intracoastal Waterway and the existing hardened shoreline, providing for both refuge and safer passage by listed species, such as manatees and sea turtles, and vessels recreating outside of the navigational channel. The finished island will provide an eco-tourism destination to observe and interact with fish and wildlife in a variety of ways such as fishing, paddle sports, birding, an outdoor classroom and wildlife viewing. The project is part of an ongoing effort to create a Paddling Blueway Trail between the City of West Palm Beach's Currie Park Boat Ramp and downtown's South Cove Natural Area.

AND, Florida Inland Navigation District financial assistance is required for the program mentioned above.

NOW THEREFORE, be it resolved by the PALM BEACH COUNTY that the project described above be authorized,

AND, be it further resolved that said PALM BEACH COUNTY make application to the Florida Inland Navigation District in the amount of 50% of the actual cost of the project in behalf of said PALM BEACH COUNTY.

AND, be it further resolved by the PALM BEACH COUNTY that it certifies to the following:

1. That it will accept the terms and conditions set forth in FIND Rule 66B-2 F.A.C. and which will be a part of the Project Agreement for any assistance awarded under the attached proposal.
2. That it is in complete accord with the attached proposal and that it will carry out the Program in the manner described in the proposal and any plans and specifications attached thereto unless prior approval for any change has been received from the District.
3. That it has the ability and intention to finance its share of the cost of the project and that the project will be operated and maintained at the expense of said PALM BEACH COUNTY for public use.
4. That it will not discriminate against any person on the basis of race, color or national origin in the use of any property or facility acquired or developed pursuant to this proposal, and shall comply with the terms and intent of the Title VI of the Civil Rights Act of 1964, P. L. 88-352 (1964) and design and construct all facilities to comply fully with statutes relating to accessibility by persons with disabilities as well as other federal, state and local laws, rules and requirements.
5. That it will maintain adequate financial records on the proposed Project to substantiate claims for reimbursement.
6. That it will make available to FIND if requested, a post-audit of expenses incurred on the project prior to, or in conjunction with, request for the final 10% of the funding agreed to by FIND.

The foregoing Resolution was offered by Commissioner_____, who moved its adoption. The motion was seconded by Commissioner _____, and upon being put to a vote, was as follows:

Commissioner Robert S. Weinroth, Mayor	_____
Commissioner Gregg K. Weiss, Vice Mayor	_____
Commissioner Maria G. Marino	_____
Commissioner Dave Kerner	_____
Commissioner Maria Sachs	_____
Commissioner Melissa McKinlay	_____
Commissioner Mack Bernard	_____

The Mayor thereupon declared the Resolution duly passed and adopted this _____ day of _____, 2022

APPROVED AS TO FORM AND LEGAL SUFFICIENCY	PALM BEACH COUNTY, FLORIDA, BY ITS BOARD OF COUNTY COMMISSIONERS
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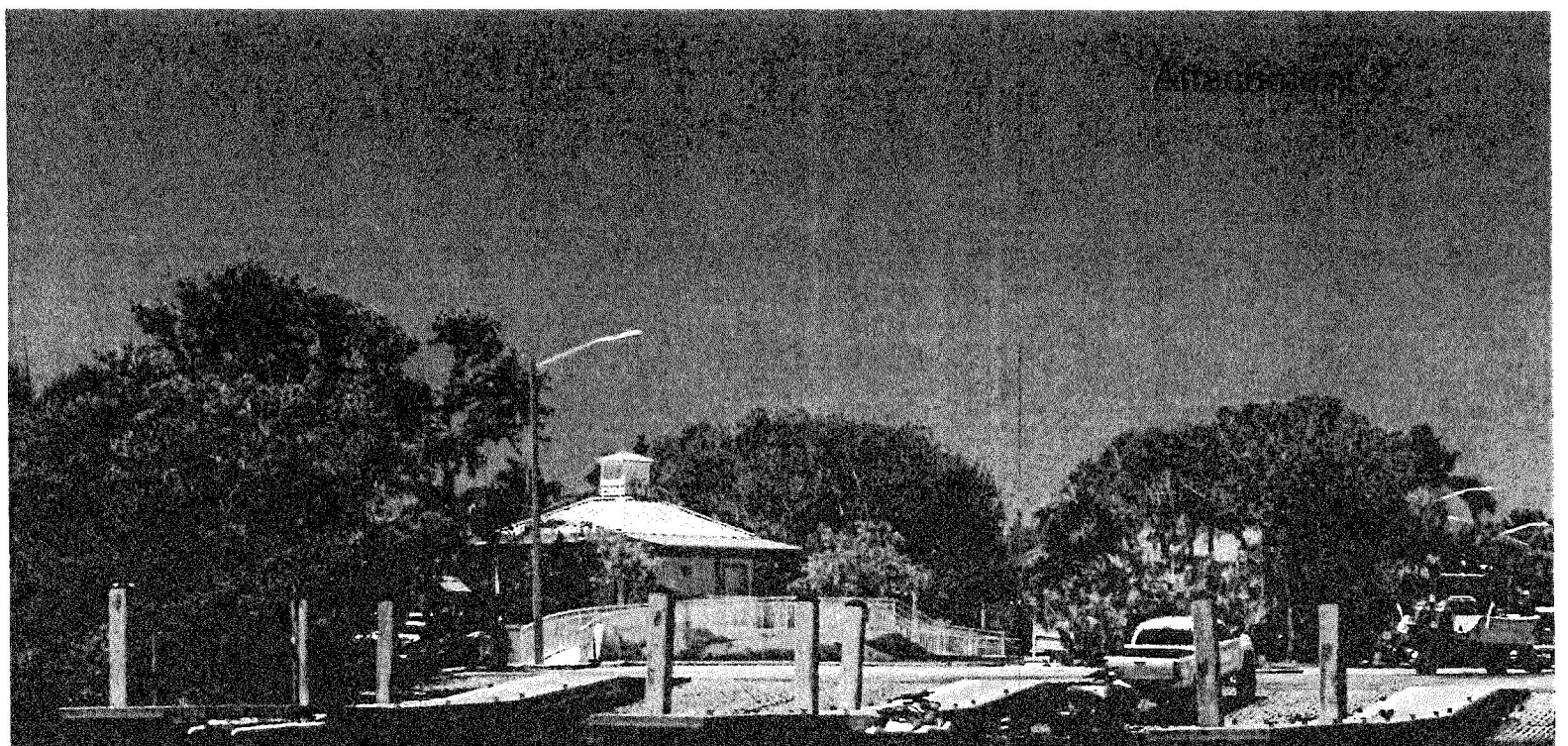
By: _____
Scott A. Stone
Assistant County Attorney

ATTEST:
JOSEPH ABRUZZO
Clerk of the Circuit Court & Comptroller

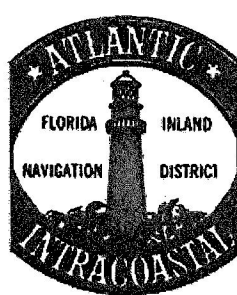
By: _____
Deputy Clerk

(SEAL)

Attachment E



WATERWAYS ASSISTANCE PROGRAM
APPLICATION PACKAGE
Part 2. Attachment E



**Florida
Inland
Navigation
District**

FY 2022

WATERWAYS ASSISTANCE PROGRAM
APPLICATION PACKAGE
Part 2. Attachment E

The following attachment E-1 through E-8, in addition to the requirements of items 10 through 13 of the application checklist, constitute your formal application.

**SUBMIT THE APPLICATION INFORMATION IN
THE ORDER LISTED ON THE CHECKLIST.**

Applications must be received by the District by 4:30 p.m. on March 28, 2022.

SUBMIT ENTIRE APPLICATION ONE OF TWO WAYS:



Electronic copy (pdf) via email:
JZimmerman@aicw.org

OR



Completed hardcopy via Mail:
**FIND, 1314 Marcinski Rd.,
Jupiter, FL 33477**

Application must be received by the deadline, no exceptions.

Attachment E - Applicant Tips Sheet

(Mistakes Common to the application process and how to avoid them)

SCHEDULING

The new application is available by January each year, and District funding is available AFTER October 1st of each year. Applicants should plan their schedule to avoid commonly missed deadlines: Application due – 28th of March; Property control/Technical sufficiency items – 16th of May, Permits – 19th of September. (Staff suggestion: Begin to secure property control and permits PRIOR to applying for funding.)

PROPERTY CONTROL VERIFICATION

Please have your attorney complete and sign the form in the application verifying applicant property control. In the case of leases or management agreements, please forward a copy to the District well in advance of the deadline to verify consistency with our program rules. (Staff suggestion: Resolve this requirement outside the application "window".)

PROJECT COSTS ELIGIBILITY

Please note the eligible project costs in Rule Section 66B-2.008, F.A.C. If you are not sure about an item's eligibility, ask! Note: Any ineligible cost, including in-house project management and administration, is also not eligible for an applicant's match. Make sure you have delineated your required minimum cost-share on the project cost estimate. (Staff suggestion: If you have questions about the eligibility of an item, work up a mock cost-sheet and send it to our office well before the deadline.)

COST-SHARE

Although the applicant must provide a minimum of 50% of the total project costs (25% for eligible public navigation dredging), there is no specific requirement to split each item. (Staff suggestion: You may want to organize project element in a certain manner for easier accounting.)

PRE-AGREEMENT EXPENSES

Rule 66B-2.005(3), F.A.C. requires any activity in the submitted project cost estimate occurring PRIOR to October 1st to be considered as pre-agreement expenses. The Board's past philosophy has been to fund only those projects that require District funding assistance to be completed. It is best to avoid pre-agreement expenses if possible. Note, that pre-agreement expenses must be limited to 50% or less of the total project costs, and they are eligible for only ½ of the original District funding. (Example: A project with a total cost of \$200,000 is Board-approved for one-half construction PRIOR to October 1st. In this case, District funding will be limited as follows: Only 50% of the \$100,000 project cost prior to October 1st is eligible as project expenses (i.e. \$50,000). Then only ½ of the eligible project expenses (\$50,000) are eligible for District funding assistance (i.e. \$25,000).

SUBMITTED MATERIALS & JUNE PRESENTATION

The Board must review and evaluate every application and each year we receive about 90 applications for consideration. The final product for the Commissioner's review is two 8-1/2" x 11" spiral-bound notebooks containing the essential information for the application. NOTE: make sure your final submitted material is the same material you will be presenting to the Board at our June meeting. This will avoid confusion and strengthen your presentation. (Staff suggestion: Limit the submitted materials to the requested information, in the required format and make sure it is consistent with your June presentation. Do not submit additional material at the June presentation!)

ELECTRONIC SUBMISSIONS

Grant applications are being accepted by email or hardcopy. Grant applications may be submitted via email as a pdf attachment (permits attached separately). Make sure to label your pdf attachment with the applicant and project title. You will receive a confirmation email letting you know your application has been received. Email your completed application to JZimmerman@aicw.org Or you may send hardcopy applications to FIND, 1314 Marcinski Rd, Jupiter, FL 33477.

Applications must be received by the District by 4:30 p.m. on March 28, 2022.

ATTACHMENT E-1
APPLICATION CHECKLIST
WATERWAY ASSISTANCE PROGRAM FY 2022

Project Title:	Providencia Cay Habitat Restoration
Applicant:	Palm Beach County Board of County Commissioners

This checklist and the other items listed below in items 1 through 13 constitute your application. The required information shall be submitted in the order listed.

An electronic copy may be emailed to JZimmerman@alcw.org. Application must be received by the deadline, no exceptions.

All information will be printed on 8 ½"x11" paper to be included in agenda books bound by staff.

	<u>YES</u>	<u>NO</u>
1. District Commissioner Review (prior to March 4th) (NOTE: <u>For District Commissioner Initials ONLY!</u>) (District Commissioner must initial the yes line on this checklist for the application to be deemed complete)	<i>Cld</i>	—
2. Application Checklist – E-1 (Form No. 90-26, 2 pages) (Form must be signed and dated)	<input checked="" type="radio"/>	<input type="radio"/>
3. Applicant Info/Project Summary – E-2 (Form No. 90-22, 1 page)(Form must be completed and signed)	<input checked="" type="radio"/>	<input type="radio"/>
4. Project Information – E-3 (Form No. 90-22a, 1 page)	<input checked="" type="radio"/>	<input type="radio"/>
5. Application and Evaluation Worksheet – E-4(+) (Form No.91-25) (One proper sub-attachment included, 7 pages) Must answer questions 1-10. No signatures required	<input checked="" type="radio"/>	<input type="radio"/>
6. Project Cost Estimate – E-5 (Form No. 90-25, 1 page) (Must be on District form)	<input checked="" type="radio"/>	<input type="radio"/>
7. Project Timeline – E-6 (Form No. 96-10, 1 page)	<input checked="" type="radio"/>	<input type="radio"/>
8. Official Resolution Form – E-7 (Form No. 90-21, 2 pages) (Resolution must be in District format and include Items 1-6)	<input checked="" type="radio"/>	<input type="radio"/>

ATTACHMENT E-1 (Continued)
APPLICATION CHECKLIST
WATERWAY ASSISTANCE PROGRAM FY 2022

	<u>YES</u>	<u>NO</u>
9. Attorney's Certification (Land Ownership) – E-8 (Must be on or follow format of Form No. 94-26, Legal descriptions NOT accepted in lieu of form)	<input type="radio"/>	<input checked="" type="radio"/>
10. County/City Location Map	<input checked="" type="radio"/>	<input type="radio"/>
11. Project Boundary Map	<input checked="" type="radio"/>	<input type="radio"/>
12. Clear & Detailed Site Development Plan Map	<input checked="" type="radio"/>	<input type="radio"/>
13. Copies of all Required Permits: ACOE, DEP, WMD (Required of development projects only)	<input type="radio"/>	<input checked="" type="radio"/>

The undersigned, as applicant, acknowledges that Items 1 through 12 above constitutes a complete application and that this information is due in the District office no later than 4:30 PM, March 28, 2022. By May 16, 2022 my application must be deemed complete (except for permits) or it will be removed from any further consideration by the District. I also acknowledge that the information in Item 13 is due to the District no later than September 19, 2022. If the information in Item 13 is not submitted to the District office by September 19, 2022, I am aware that my application will be removed from any further funding consideration by the District.

LIAISON: **Deborah Drum** TITLE: Department Director, Palm Beach County's Environmental Resources Management

Digitally signed by Deborah Drum
DN: cn=Dorcas, o=Enterprise, ou=ERM, ou=Users, cn=Deborah Drum, email=Dorcas@bop.gov.sg
I am the author of this document.
My signing location here
#022 03 28 1554/23-04'08"
Deborah Drum
Deborah PDF Reader Version: 11.2.1

3/28/2022

**** SIGNATURE - PROJECT LIAISON ****

DATE _____

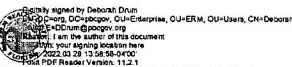
FIND OFFICE USE ONLY	
Date Received:	_____
Local FIND Commissioner Review:	_____
All Required Supporting Documents:	_____
Applicant Eligibility:	_____
Project Eligibility:	_____ Available Score: _____
Compliance with Rule 66B-2 F.A.C.:	_____
Eligibility of Project Cost:	_____

ATTACHMENT E-2
APPLICANT INFORMATION & PROJECT SUMMARY
WATERWAY ASSISTANCE PROGRAM FY 2022

APPLICANT INFORMATION			
Applicant: Palm Beach County Board of County Commissioners			
Department: Environmental Resources Management			
Project Title: Providencia Cay Habitat Restoration Project			
Project Director: Deborah Drum		Title:	Director
Project Liaison: <small>(if different from Director)</small>	Beth Orlando	Title:	Environmentalist II
Mailing Address:	2300 North Jog Road 4th Floor		
City: West Palm Beach	Zip Code:	33411-2743	
Email Address: ddrum@pbcgov.org; borlando@cgov.org	Phone #:	561-233-2400	
Project Address:	Within Lake Worth Lagoon, east of City of West Palm Beach's Providencia Park		

*** I hereby certify that the information provided in this application is true and accurate. ***

SIGNATURE: Deborah Drum



DATE: 3/28/2022

PROJECT NARRATIVE (Please summarize the project in space provided below in 2 paragraphs or less.)

Providencia Cay Habitat Restoration will enhance approximately 6 acres of Lake Worth Lagoon by creating seagrass, oyster reef, and mangrove habitats. In partnership with the marine community, the project accomplishes restoration through beneficial re-use of 52,000 cubic yards of dredged material that will cap fine grain muck sediments and placement of limestone rocks to create suitable seagrass habitat and one wetland mangrove island. The project will also serve as a natural buffer between the ICW and the existing hardened shoreline, providing for both refuge and safer passage by listed species, such as manatees and sea turtles, and vessels recreating outside of the navigational channel. The finished island will provide an eco-tourism destination to observe and interact with fish and wildlife in a variety of ways such as fishing, paddle sports, birding, an outdoor classroom and wildlife viewing. The project is part of an ongoing effort which creates a Paddling Blueway Trail between the City of West Palm Beach's Currie Park Boat Ramp and downtown's South Cove Natural Area.

ATTACHMENT E-3
PROJECT INFORMATION

WATERWAY ASSISTANCE PROGRAM FY 2022

Applicant: Palm Beach County Board of Commissioners		Project Title: Providencia Cay Habitat Restoration Project	
Total Project Cost: \$ 730,000	FIND Funding Requested: \$ 365,000	% of Total Cost: 50	
Amount of Applicant's Matching Funds:	365,000		
Source of Applicant's Matching Funds:	Palm Beach County		

1. Ownership of Project Site (check one): Own: ☐ Leased: ☐ Other: ☒
2. If leased or other, please describe lease or terms and conditions:
- State of Florida Sovereignty Submerged Lands. An Environmental Resource Permit has been issued by the Florida Department of Environmental Protection. All entities within a 500 foot radius of the project (including Good Samaritan Hospital) have been notified of the project.

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒
4. If yes, please list:

N/A

5. What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable):
- The project is accessible by boats and paddle crafts. Vessels can easily launch 0.5 miles to the north at Currie Park Boat Ramp where there are boat ramps, a kayak launch and trailer parking spaces.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?
- This project includes the installation of navigational aids to mark a shallow water channel for boater access. No ramps, slips, or parking spaces are proposed by this project.

7. Are fees charged for the use of this project? No: ☒ Yes: ☐ **
- **If yes, please attach additional documentation of fees and how they compare with fees from similar public & private facilities in the area.

Please list all Environmental Resource Permits required for this project:

AGENCY	Yes / No / N/A	Date Applied For	Date Received
WMD			
DEP	Yes	5/24/2021	7/22/2021
ACOE	Yes	5/24/2021	

ATTACHMENT E-4
EVALUATION WORKSHEET

WATERWAY ASSISTANCE PROGRAM FY 2022

DIRECTIONS:

All applicants will complete questions 1 through 6, and then based on the type of project, complete one and only one subsection (E-4A, B, C, D or E) for questions 7-10.

*****Please keep your answers brief and do not change the pagination of Attachment E-4*****

All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application.

Project Title:	Providencia Cay Habitat Restoration Project
Applicant:	Palm Beach County Board of County Commissioners

1) PRIORITY LIST:

- a) Denote the priority list category of this project from Attachment C in the application. (The application may only be of **one** type based upon the predominant cost of the project elements.)

16. Environmental restoration, enhancement or mitigation projects.

- b) Explain how the project fits this priority category.

In its current state, organic sediments have accumulated from storm water discharges, resulting in poor water quality and reducing habitat value. Placement of clean sand caps those fine grain muck sediments resulting in suitable substrate to restore critical coastal wetland habitat. This project involves the restoration and enhancement of 6 acres of seagrass, salt marsh, mangrove and oyster/artificial reef habitat, which is vital to the health of the Lake Worth Lagoon. A healthy functioning estuary enhances recreational use through safe opportunities to fish, swim, paddle and enjoy the aesthetics.

(For reviewer only)
Max. Available Score for application _____

Question 1. Range of Score (1 to _____ points)

2) WATERWAY RELATIONSHIP:

- a) Explain how the project relates to the ICW and the mission of the Navigation District.**

This project is adjacent to and west of the ICW. The capping of muck sediments and restoration of seagrass habitat will greatly improve water quality in the waterway, provide habitat for fish and wildlife, and enhance recreational opportunities. Beneficial re-use provides cost savings and opportunity to utilize materials from public dredge projects.

- b) What public access or navigational benefit to the ICW or adjoining waterway will result from this project?**

This project will confine and stabilize existing muck sediments to prevent their migration into the ICW thereby reducing the frequency of maintenance dredging. Construction of the oyster reefs and wetland island will further stabilize the adjacent shoreline. The addition of high quality, valuable fish and wildlife habitat will provide excellent birding, fishing, recreation and aesthetic values to the ICW and Lake Worth Lagoon.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

- a) Describe how the project increases/improves boater/public access. Estimate the amount of total public use.**

This project will restore critical shallow water habitat for fish and wildlife, improve water quality, and increase paddling opportunities on the Lagoon through the addition of eco-destinations along the Paddling Blueway Trail connecting South Cove Natural Area and Currie Park in West Palm Beach.

- b) Discuss the regional and local public benefits provided by the project. Can residents from other counties of the District reasonably access and use the project? Explain.**

The Lake Worth Lagoon receives visitors from other counties for fishing, wildlife viewing, snorkeling/diving and other outdoor activities. Construction of this project will further promote eco-tourism. Visitors from other counties will be able to enjoy the Paddling Blueway Trail connecting Currie Park, South Cove and Providencia Cay.

- c) Has the local Sponsor implemented or plans to implement any boating access, speed zone, commercial access or other restrictive use of this site?**

A navigational aid will be installed to mark shallow water rocks.

(For reviewer only)
(1-8 points)

4) TIMELINESS:

- a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-6.**

The planning and design phase are complete. An FDEP permit has been granted and an ACOE permit has been drafted for issuance.

- b) **Briefly explain any unique aspects of this project that could influence the timeline.**

The project is contingent on sand from material of opportunity from local dredge projects within Lake Worth Lagoon generating lagoon compatible sand to be used in the construction of the project.

(For reviewer only)
(1-3 points)

5) COSTS & EFFICIENCY:

- a) **List funding sources and the status and amount of the corresponding funding that will be utilized to complete this project including any cash match or matching grant funds.**

Palm Beach County will provide in-kind services, including project management, surveys and post-construction monitoring.

- b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**

Current project costs are based on recently completed projects and engineer's estimates. The island will necessitate the use of a water based operation by barges which may cause an increase in project costs over a land based operation.

- c) **Are there any fees associated with the use of this facility? If so, please list or attach fee sheet.**

There will be no fees associated with the use of the project area.

- d) **If there are any fees, please explain where these fees go and what they are used for. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

N/A

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

a) Why is the project necessary and what need will it fill? Why are existing facilities insufficient to meet demand?

Over time muck sediments have accumulated on top of the historic shelly sand sediments in the Lake Worth Lagoon, resulting in water quality degradation and loss of productive benthic habitats, such as seagrass and oyster reefs. In addition, dredge and fill activities and shoreline hardening have resulted in a significant loss of intertidal habitat, such as mangroves and coastal wetlands. This project directly supports four goals of the Lake Worth Lagoon Management Plan:

- Cap existing muck sediments while allowing for deep-water refuge landward of project
- Create habitat suitable for seagrass recruitment
- Create emergent island and restore intertidal mangrove and saltmarsh habitat
- Create oyster and artificial reef habitat

b) Clearly demonstrate how the project will continue to be maintained and funded after funding is completed.

The project will occur on submerged lands owned entirely by the State of Florida and with natural resources thereon managed for the benefit of the public; therefore, long-term conservation of habitat and water quality functions is ensured. The habitat restored by the project will support over 195 species of fish and 89 species of birds, providing long-lasting recreational benefits for the community.

c) Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?

Yes, the 2021 Lake Worth Lagoon Management Plan.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

ATTACHMENT E-4A
EVALUATION WORKSHEET
DEVELOPMENT & CONSTRUCTION PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2022

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

7) PERMITTING:

- a) Have all required environmental permits been applied for? (USACE, DEP and WMD)**
If permits are NOT required, explain why not.

Yes, all required permits have been applied for. The Florida Department of Environmental Protection authorized the project (50-0404380-001-EI) on July 22, 2021. The Army Corp of Engineers Public Notice for Permit Application No SAJ-2021-02060 (SP-CGK) went live on January 11th, 2022, and closed with no comments recieved.

- b) If the project is a Phase I project, please provide a general cost estimate for the future Phase II work.**

- c) Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**

CoVid19 has slowed down permit processing time.

(For reviewer only)
(1-4 points)

8) PROJECT DESIGN:

- a) **Has the design work been completed?**
If this is a Phase I project, has a preliminary design been developed?

Yes, the project design is complete and is supported by a track record of similar projects designed by Palm Beach County which successfully yielded over 250 acres of habitat enhancement and restoration within Lake Worth Lagoon.

- b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, minimize environmental impacts, improve water quality or reduce costs?**

This project will manage existing muck sediments and enhance estuarine habitat which will maximize biodiversity. Placing a layer of sand over the muck sediments will improve water quality and provide elevations suitable for seagrass, mangrove, salt marsh and oyster habitat. The utilization of re-use material often results in significant cost savings.

(For reviewer only)
(1-2 points)

9) CONSTRUCTION TECHNIQUES:

- a) **Briefly explain the construction techniques and materials to be utilized for this project. Identify any unique construction materials that may significantly alter the project costs. If a Phase 1, elaborate on potential techniques.**

Equipment and materials will be transported to the project site by barge. Sand and rock placement will be accomplished with an excavator. The barge will be used as the construction platform and for conveyance of materials. A john boat will be used to position turbidity curtains. Materials to be used include (1) Clean sand to cap muck and provide elevations for desired habitats, (2) Limerock boulders to stabilize sand cap and provide substrate for oysters, (3) Filter fabric to minimize scouring of sand between the limerock boulders, (4) Plants including red mangroves and smooth cordgrass and (5) wood piling for navigational signage.

- b) **What is the design life of the proposed materials compared to other available materials?**

All materials are expected to last indefinitely.

(For reviewer only)
(1-3 points)

10) ENVIRONMENTAL COMPONENTS:

- a) How has the facility where the project is located demonstrated commitment to environmental compliance, sustainability, and stewardship?**

The Providencia Cay Habitat Enhancement Project embodies commitment to the environment. The project is a restoration and enhancement project that is being designed to support the existing and future elevation ranges of oysters, mangroves, spartina, and seagrass. The rock revetment surrounding the islands is designed to reduce wind and boat wake conditions, provide resiliency and offset impacts from sea level rise. The County monitors and maintains all restoration projects and will implement a sea level plan if it is needed.

- b) What considerations, if any, have been made for sea level rise impacts in the design and life span of this project?**

The project is a restoration and enhancement project that is being designed to support the elevation ranges of oysters, mangroves, spartina, and seagrass. The rock revetment surrounding the island is designed to reduce wind and boat wake conditions and offset impacts from sea level rise. Mangroves and oyster are naturally adaptive species to changing tides and sea levels.

(For reviewer only)
(1-3 points)

RATING POINT TOTAL _____

Note:
The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.

WATERWAY ASSISTANCE PROGRAM FY 2022

7) THOROUGHNESS:

- (For reviewer only)
(1-5 points)

8) DELIVERABLES:

- a) Describe the materials and project deliverables to be produced by this project.
- b) Is there a clear and effective plan of dissemination of the materials produced through the project? Please describe.

(For reviewer only)
(1-2 points)

9) EXPERIENCE & QUALIFICATIONS:

- a) Please briefly describe the qualifications of the program administrator(s), including prior experience, and areas of expertise.

(For reviewer only)
(1-2 points)

10) PROJECT GOALS:

a) What are the long-term goals of this project as it relates to the ICW?

b) What is the expected duration/frequency of this program?

(For reviewer only)
(1-3 points)

RATING POINT TOTAL _____

Note:
The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.

ATTACHMENT E-4C
EVALUATION WORKSHEET
LAW ENFORCEMENT & BOATING SAFETY PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2022

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A LAW
ENFORCEMENT OR BOATING SAFETY PROJECT

7) VIABILITY:

- c) Describe how the project will address particular public health, safety, or welfare issues of the Navigation District's Waterways.**

- d) How does the project provide significant benefits or enhancements to the District's Waterways?**

(For reviewer only)
(1-3 points)

8) EXPERIENCE & QUALIFICATIONS:

- a) List the personnel tasked with the implementation of this project, their qualifications, previous training and experience.

- b) Have the personnel participated in or received state marine law enforcement training?

(For reviewer only)
(1-2 points)

9) DELIVERABLES:

- a) Describe the anticipated, long-term measurable results of implementing this project.

- b) What is the range or area of coverage for this project? Please provide a map of the coverage area.

- c) Does the project fulfill a particular community need?

For reviewer only)
(1-4 points)

10) EDUCATION:

- a) What are the educational benefits (if any) of this proposed project?
- b) How does the project or program provide effective public boating education or expand boater safety?

(For reviewer only)
(1 -3 points)

RATING POINT TOTAL _____

Note:

The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.

ATTACHMENT E-4D
EVALUATION WORKSHEET
INLET MANAGEMENT & PUBLIC NAVIGATION PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2022

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS AN INLET
MANAGEMENT OR PUBLIC NAVIGATION PROJECT

7) WATERWAY RELATIONSHIP:

- a) How does the project directly benefit the Atlantic Intracoastal Waterway (AICW)?

- b) Identify any long-term sedimentation problems and briefly discuss any methods or activities that will address these issues.

- c) Will the project inhibit sediment inflow into, or reduce the dredging frequency of the AICW?

(For reviewer only)
(1-5 points)

8) PUBLIC ACCESS:

- a) Will the project enhance public access to or from the waterways? Describe in brief detail.

- b) List the upstream publicly accessible facilities with improved access as a result of this project.

(For reviewer only)
(1 -3 points)

9) BENEFICIAL PROJECT ELEMENTS:

- a) Are there additional economic benefits to be realized by implementing this project?

- b) Briefly spell out any water quality, environmental or habitat benefits to be realized by this project.

(For reviewer only)
(1 -2 points)

10) PROJECT MAINTENANCE:

- a) When was this area last dredged? What is the expected frequency of future dredging?

- b) Explain the funding mechanism for the long-term maintenance of the project.

- c) Describe the long-range dredge material management plans.

(For reviewer only)
(1 -2 points)

RATING POINT TOTAL _____

Note:
The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.

ATTACHMENT E-4E
EVALUATION WORKSHEET
BEACH RENOURISHMENT PROJECTS
WATERWAY ASSISTANCE PROGRAM FY 2022

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A
BEACH RENOURISHMENT PROJECT

7) WATERWAY RELATIONSHIP:

- a) Describe how the District and other navigation interests will benefit from the implementation of this project.

(For reviewer only)
(1 -4 points)

8) VIABILITY:

- a) Is the project site defined as critically eroded area by a statewide beach management plan?

- b) Cite the quantifiable rate of erosion in this area.

- c) Is the project an important component of an overall beach management effort?

(For reviewer only)
(1 -4 points)

9) PUBLIC BENEFITS:

- a) Are there quantifiable public benefits demonstrated by the project?

- b) Is there adequate public access to the project area?
Please describe location and amount.

(For reviewer only)
(1-2 points)

10) PROJECT FUNDING:

- a) Describe any assistance funding from other sources.

- b) Clarify the availability of long-term funding for this project.

(For reviewer only)
(1-2 points)

RATING POINT TOTAL: _____

Note:

The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 10 points. A score of 35 points or more is required to be considered for funding.

**ATTACHMENT E-4F
EVALUATION WORKSHEET
EMERGENCY RE-CONSTRUCTION**

WATERWAY ASSISTANCE PROGRAM FY 2022

THIS ATTACHMENT IS TO BE COMPLETED ONLY IF YOUR PROJECT IS A WATERWAY PROJECT THAT WAS DAMAGED BY A NATURAL DISASTER AS DECLARED BY A STATE OF EMERGENCY UNDER CHAPTER 252, FLORIDA STATUTES.

11. (EXTRA) STORM DAMAGE EVALUATION:

- a) List the State of Emergency declaration order or proclamation & the name and date of the storm/event.
- b) Has this site/project previously received funding from FIND
- c) Detail the other funding mechanisms and financial assistance that will be applied to defray the reconstruction costs or damage repair.
- d) What is the current status of your FEMA paperwork for the project?

(For reviewer only)
(0-3 points)

ATTACHMENT E-5
PROJECT COST ESTIMATE

WATERWAY ASSISTANCE PROGRAM FY 2022

(See Rule Section 66B-2.005 & 2.008 for eligibility and funding ratios)

Project Title:	Providencia Cay Habitat Restoration Project
Applicant:	Palm Beach County Board of County Commissioners

Project Elements <i>(Please list the MAJOR project elements and provide general costs for each one. For Phase I Projects, please list the major elements and products expected)</i>	Total Estimated Cost	Applicant's Cost <i>(To the nearest \$50)</i>	FIND Cost <i>(To the nearest \$50)</i>
CONSTRUCTION SURVEYS & AS BUILT DRAWINGS	20,000.00	10,000.00	10,000.00
SUPPLY / INSTALL FILTER FABRIC	84,600.00	42,300.00	42,300.00
WARNING SIGN INSTALLED COMPLETE	10,000.00	5,000.00	5,000.00
MOBILIZATION (CONTRACTOR SUPPLIED STAGING AREA)	100,000.00	50,000.00	50,000.00
SUPPLY / TRANSPORT / LOAD / INSTALL ARMOR STONE (2' TO 3' STONE)	331,800.00	165,900.00	165,900.00
SUPPLY / TRANSPORT / LOAD / INSTALL BEDDING STONE (3" TO 6" STONE)	183,600.00	91,800.00	91,800.00
**TOTALS =	\$730,000.00	\$365,000.00	\$365,000.00

ATTACHMENT E-6
PROJECT TIMELINE

WATERWAY ASSISTANCE PROGRAM FY 2022

Project Title:	Providencia Cay Habitat Restoration Project
Applicant:	Palm Beach County Board of County Commissioners

The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.

NOTE: All funded activities must begin AFTER October 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

Date	Component
October 2022 - December 2022	Developement of Plans and Specifications
January 2023 - July 2023	Solicitation / Selection / Award
August 2023 - August 2024	Construction
September 2024	Project Close - Out

ATTACHMENT E-8
ATTORNEYS CERTIFICATION OF TITLE 2022
(See Rule 66B-2.006(4) & 2.008(2) FAC)

OFFICE OF THE (City or County) ATTORNEY

N/A

_____, 2022

TO WHOM IT MAY CONCERN:

I, _____ (Name) _____, am the Attorney for the _____ (City or County) _____, Florida. I hereby state that I have examined a copy of a (deed, lease, management agreement, etc.) from _____ to the _____ (City or County) _____ dated _____ conveying _____ (type of interest, ie. Fee simple, easement, 30 year lease, etc.) in the following described property:

THIS PROJECT IS ONLY ON STATE LAND. THERE ARE NO UPLAND INTERESTS. ALL ENTITIES WITHIN 500 FEET HAVE BEEN NOTIFIED OF PROJECT INCLUDING GOOD SAMARITAN HOSPITAL

I have also examined a document showing that this property is listed on the tax rolls as belonging to the (City or County). Finally, I have also examined such documents and records as necessary for this certification.

This property is what is now called " (Name of Property as Referenced in the WAP application) "

I certify that the (City or County) does in fact (own, lease, etc.) this property for years.

Very truly yours,

(Name)
(City or County) Attorney