

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date:	March 12, 2019	(X) Consent	() Regular
		() Workshop	() Public Hearing
Department:	<u>Environmental Resources Management</u>		
Submitted By:	<u>Environmental Resources Management</u>		
Submitted For:	<u>Environmental Resources Management</u>		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to:

A) approve the Waterways Assistance Program (WAP) grant application to Florida Inland Navigation District (FIND) to fund up to \$140,000 or 50% of the design, planning and permitting for the Lake Worth Inlet Flood Shoal Dredging Project (Project);

B) adopt a Resolution for Assistance through FIND WAP requesting \$140,000 to cover a portion of the design, planning and permitting of the Project;

C) authorize the Director of Environmental Resources Management delegation of authority to serve as Liaison Agent with FIND for the Project and submit the WAP grant application; and

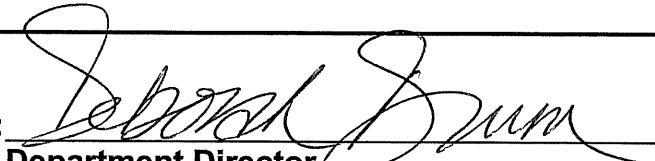
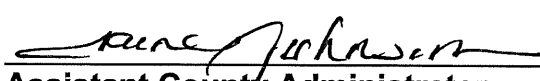
D) authorize the County Administrator, or designee, to execute the Grant Project Agreement (Agreement), as well as task assignments, certifications, standard forms, or amendments to the Agreement that do not change the scope of work, or terms and conditions of the Agreement if the grant is approved.

Summary: The County is submitting a grant application, which will reimburse the County up to \$140,000 for the \$280,000 Project. If successful in receiving funding, the deadline for spending the grant will be September, 2021. The remaining 50% of design, planning and permitting for the Project is intended to be equally cost-shared between the County and the Marine Industries Association if the Board of County Commissioners approves the Memorandum of Understanding at the April 2, 2019 meeting. The County's share for the grant request is anticipated from a combination of State grants, Vessel Registration Funds, and Manatee Protection Funds. District 1 (SF)

Background and Justification: FIND offers grants to local governments through its WAP for public projects directly related to its waterways. The County is requesting WAP funding to cover 50% of the planning, design and permitting costs associated with the Project, located in Riviera Beach, to improve navigation and tidal flushing, and provide fill material for a habitat restoration project in Lake Worth Lagoon.

Attachments:

- 1. FIND Waterway Assistance Program Grant Application
- 2. Resolution – FIND Waterway Assistance Program

Recommended by:		<u>2-27-19</u>
	Department Director	Date
Approved by:		<u>3/5/19</u>
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2019	2020	2021	2022	2023
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 grants be awarded, a budget amendment will be submitted to the Board for approval.

Funding for these projects are anticipated from a combination of State grants, inter-local agreements, Vessel Registration funds, and Manatee Protection funds.

C. Department Fiscal Review:

S. Neary

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Administrator Comments:

OFMB 2/15/19 2/15 SP 2/12
Contract Administrator 2/28/19 2/28/19

B. Legal Sufficiency:

Assistant County Attorney

ATTACHMENT 1

FY 2019

WATERWAYS ASSISTANCE

PROGRAM

APPLICATION PACKAGE

Part 2. Attachment E

THE FOLLOWING ATTACHMENT E-1 THROUGH E-8 FORMS, 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.

An electronic copy (pdf) may be emailed to JZimmerman@aicw.org.
or a completed hardcopy of the application may be delivered to:
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 – 29th of March; Property control/Technical sufficiency items – 24th of May, Permits – 15th 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 pm on March 29, 2019.

ATTACHMENT E-1.
APPLICATION CHECKLIST 2019
(To be completed by the Applicant)

Project Title:	Lake Worth Inlet Flood Shoal Dredging Project: Phase 1
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@aicw.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: For District Commissioner initials ONLY!) (District Commissioner must initial the yes line on this checklist for the application to be deemed complete)	<u>Y</u>	_____
2. Application Checklist – E-1 (Form No. 90-26, 2 pages) (Form must be signed and dated)	<u>Y</u>	_____
3. Applicant Info/Project Summary – E-2 (Form No. 90-22, 1 page) (Form must be completed and signed)	<u>Y</u>	_____
4. Project Information – E-3 (Form No. 90-22a, 1 page)	<u>Y</u>	_____
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	<u>Y</u>	_____
6. Project Cost Estimate – E-5 (Form No. 90-25, 1 page) (Must be on District form)	<u>Y</u>	_____
7. Project Timeline – E-6 (Form No. 96-10, 1 page)	<u>Y</u>	_____
8. Official Resolution Form – E-7 (Form No. 90-21, 2 pages) (Resolution must be in District format and include items 1-6)	<u>Y</u>	_____

ATTACHMENT E-1 (Continued)

APPLICATION CHECKLIST (To be completed by the Applicant)

	<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)	<u>Y</u>	<u> </u>
10. County/City Location Map	<u>Y</u>	<u> </u>
11. Project Boundary Map	<u>Y</u>	<u> </u>
12. Clear & Detailed Site Development Plan Map	<u>Y</u>	<u> </u>
13. Copies of all Required Permits: ACOE, DEP, WMD (Required of development projects only)	<u> </u>	<u> </u>

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 29, 2019. By May 24, 2019 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 15, 2019. If the information in Item 13 is not submitted to the District office by September 15, 2019, I am aware that my application will be removed from any further funding consideration by the District.

LIAISON: Deborah Drum TITLE: Director - ERM


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

2-1-19
 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

WATERWAYS ASSISTANCE PROGRAM FY 2019
PROJECT APPLICATION
APPLICANT INFORMATION – PROJECT SUMMARY

APPLICANT INFORMATION			
Applicant: Palm Beach County Board of County Commissioners			
Department: Palm Beach County Department of Environmental Resources Management			
Project Title: Lake Worth Inlet Flood Shoal Dredging Project: Phase 1			
Project Director:		Deborah Drum	Title: Director - ERM
Project Liaison: <i>(if different from Project)</i>		Deborah Drum	Title: Director - ERM
Mailing Address:		2300 North Jog Road	
City: West Palm Beach		Zip Code:	33411-2743
Email Address: ddrum@pbcgov.org; eanderson1@pbcgov.org		Phone #:	561-233-2400
Project Address:		Located just north of Palm Beach Inlet and Peanut Island Park in the Lake Worth Lagoon	

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

SIGNATURE: Deborah Drum DATE: 2-26-19

<p>PROJECT NARRATIVE (Please summarize the project in space provided below in 2 paragraphs or less.)</p> <p>The Lake Worth Inlet Flood Shoal is one of the most heavily used recreational boating locations in Palm Beach County. Over the years, sand has accumulated on the north and east side of the shoal creating navigational concerns and making it more difficult for recreational boaters to utilize the adjacent navigational channels during periods of heavy use (i.e. weekends and holidays). These conditions also makes it difficult for emergency responders on the water to access critical areas.</p> <p>This request is for Phase 1 FIND funding to collect data for the engineering, designing, planning, and permitting of a dredge project that the boating community of Palm Beach County will support. Components of the project consists of evaluating dredging a portion of the north and east sides of the shoal for navigation and safety in the east and northern navigational channel around the shoal. A secondary channel through the middle of the shoal is to provide increased recreational boater and emergency responder access. Additional benefits include reduced sedimentation to the Phil Foster snorkel reef, improved tidal flushing, and improved water quality in the northern Lake Worth Lagoon. The dredged sand can be evaluated as a beneficial sand source used to create mangrove islands and seagrass habitat at the County's Tarpon Cove Restoration Project.</p>

ATTACHMENT E-3 - PROJECT INFORMATION 2019

Applicant: Palm Beach County		Project Title: Lake Worth Inlet Flood Shoal Dredging Project: Phase 1	
Total Project Cost: \$280,000	FIND Funding Requested: \$140,000	% of Total Cost: 50%	
Amount and Source of Applicant's Matching Funds:	Palm Beach County (PBC) is partnering with Marine Industries Association of Palm Beach County (MIAPBC) and will be cost sharing all elements associated with planning, engineering, designing, permitting, and community outreach.		

1. Ownership of Project Site (check one): Own: ☒ Leased: ☐ Other: ☒

2. If leased or other, please describe lease or terms and conditions:

A portion of the shoal is submerged property of Palm Beach County the remaining areas of the project are State of Florida sovereign submerged lands and public navigable waters.

3. Has the District previously provided assistance funding to this project or site? Yes: ☐ No: ☒

4. If yes, please list:

NA

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 Lake Worth Inlet Flood Shoal and adjacent navigational channels are heavily used by recreational boaters.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project?

None

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	N/A		
DEP	Yes		
ACOE	Yes		

ATTACHMENT E-4

WATERWAYS ASSISTANCE PROGRAM
APPLICATION AND EVALUATION WORKSHEET

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:	Lake Worth Inlet Flood Shoal Dredging Project: Phase 1
Applicant:	Palm Beach County

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.)

1. Public navigation channel dredging

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

The Lake Worth Inlet Shoal is heavily used by recreational boaters. Over the years, sand has accumulated on the north and east side of the shoal creating navigational concerns and making it difficult for recreational boaters to utilize the navigational channels and emergency responders to access critical areas. The proposed project consists of dredging a portion of the north and east sides of the shoal for navigation and safety. A channel will be dredged through the middle of the shoal to provide increased recreational boater and emergency responder access. Additional benefits include reduced sedimentation to the Phil Foster snorkel reef and improved flushing and water quality. The dredged material can be used for restoration projects.

(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.**

The goals to the development of the shoal project are to create a safer and enhanced navigational route around the shoal, minimize the accretion of sand in the ICW just to the west and north of the shoal, and enhance recreational boat use.

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

This project will improve navigation and safety around the shoal, enhance safety to adjacent docks, increase recreational boat use, and reduce sedimentation in the ICW west and north of the project area.

(For reviewer only)
(1-6 points)

3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified? Estimate the amount of total public use.**

The project's proximity to the Lake Worth Inlet makes this area one of the most heavily used boating destinations in the County. The shoal's proximity to adjacent parks and marinas make this area a heavily used recreational area for boaters to moor on weekends and holidays. The project is designed is to improve navigational safety and increase the recreational boat use in the area.

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

The project location is adjacent to three county parks (Peanut Island, Phil Foster, and Jim Barry), 2 public marinas (Sailfish and Cannonsport), and multiple residential and condo docks. The project is being designed to increase and enhance accessibility for public use, including from surrounding counties traveling to visit the shoal and local parks.

- c) Are there any restrictions placed on commercial access or use of this site?**

No restrictions on the use of the channel. The eastern channel is the preferred channel for the vessels in the northern lagoon to access the Lake Worth Inlet. Dredging on the north and east side of the flood shoal will enhance navigation and create a safer navigational channel for both commercial and recreational vessels.

(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.**

See Attachment E-6: Phase 1: Planning, Engineering, Design and Permitting components completed between (February 2019 - September 2020)

Phase 2: Construction (March 2021 - August 2021)

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

The evaluation of the shoal's design through a morphodynamic numerical and flushing analysis modeling are important to the final design to ensure the benefits of the projects are justified and ensure future maintenance requirements are minimized through the design. Summer resources surveys will identify potential reduction to impacts. Project permitting is expected to take 14 months.

(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.**

The County and Marine Industries Association of Palm Beach County, Inc. will be cost sharing all elements of Phase 1.

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

We don't anticipate phase 1 cost increasing. Phase 2 cost may vary since the project will have to go through the County's selective bid process.

- c) **Describe any methods to be utilized to increase the cost efficiency of this project.**

The dredged sand will be used as a beneficial re-use source to create mangrove islands and seagrass habitat at the County's Tarpon Cove Restoration Project. In water placement will provide a cost saving by not needing to store material on a FIND DMMA site.

- d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**

No fees will be charged for use of the area after construction. This project is being enhanced for public use and will continue to be free and open to the public.

(For reviewer only)
(1-6 points)

6) PROJECT VIABILITY:

- a) What specific need in the community does this project fill? Is this project referenced or incorporated in an existing maritime management, public assess or comp plan?**

Over the years the Lake Worth Inlet Flood Shoal, also known as Peanut Island Sandbar, has accreted sand creating navigational concerns north of Peanut Island. The project is listed in the 2013 Lake Worth Lagoon Management Plan as a potential project. Dredging the sand will improve navigation in the area. Dredged material can be utilized to fill an existing dredge hole for the creation of seagrass and mangrove enhancement as part of the County's Tarpon Cove Restoration Project.

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

While sand has been accumulating over the years (per historical aerals dating back to 1958) there is no known record when the area was last dredged. The design will look at ways to maximize the life of the project and minimize maintenance dredging.

- c) Will the program result in significant and lasting benefits? Explain.**

Improvement of navigation for recreational boaters and increased access for emergency responders.

- d) Please describe any environmental benefits associated with this project.**

Environmental benefits include reduced sedimentation to the Phil Foster snorkel reef and improved flushing and water quality to the northern lagoon. The dredged sand will be used to create mangrove islands and seagrass habitat at the County's Tarpon Cove Restoration Project.

(For reviewer only)
(1-7 points)

SUB-TOTAL _____

**ATTACHMENT E-4A
DEVELOPMENT & CONSTRUCTION PROJECTS**

**WATERWAYS ASSISTANCE PROGRAM
APPLICATION AND EVALUATION WORKSHEET**

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.

Permits have not been submitted since this is a Phase 1 project. However a pre-application meeting with FDEP, FWC, and USACE permitting staff was conducted in September 2018. Additional data collection, a 2019 resource survey, and engineering and design are required prior to permit application submittals.

- b) If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work and provide a general cost estimate for the future Phase II work.

Engineering and design, hydrodynamic survey, resource surveys, geotechnical / metal analysis, numerical modeling, current analysis, flushing analysis, morphodynamic model to evaluate the shoals evolution and permitting is estimated to cost \$280,000; this represents approximately 10% of the Phase 2 construction.

Phase 2 construction cost is estimated at \$2,800,000 to dredge, transport and place an estimated 80,000 cubic yards of shoal material.

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

The project has a 14 month timeline for acquiring permits, beginning with permit application submittal in July 2019 and an estimated completion by September 2020.

*(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?**

Phase 1 Project: Conceptual Design has been completed however data collection, engineering, and permitting may alter the final design.

- 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?**

A channel will be dredged through the mid shoal to provide increased recreational boater and emergency responder access. Additional benefits include reduced sedimentation to the Phil Foster snorkel reef, improved flushing and water quality. The dredged sand will be used to create seagrass and mangrove habitat in the LWL.

(For reviewer only)

(1-2 points)

9) CONSTRUCTION TECHNIQUES:

- a) **Briefly explain the construction techniques to be utilized for this project. If a Phase 1, elaborate on potential techniques.**

Construction will use shallow-water barges with barge-mounted excavators or crane equipment to mechanically dredge. Materials will be transported to the restoration project area via barge and tugs, and may be placed by excavators and/or conveyor belt systems.

- b) **How are the utilized construction techniques appropriate for the project site?**

Construction techniques will be sure to adhere to all permit conditions and standard marine construction techniques.

- c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**

The dredged sand will be used to create mangrove islands and seagrass habitat at the County's Tarpon Cove Restoration Project. Placing material in waters reduces project costs and reduce hauling costs associated with staging on a FIND DMMA site, loading material onto trucks, and transporting. Also provides a beneficial cost saving to the County restoration project.

(For reviewer only)

(1-3 points)

10) CONSTRUCTION MATERIALS:

- a) List the materials to be utilized for this project. What is the design life of the proposed materials compared to other available materials?

There are no materials proposed for use associated with the dredging project. There is no record of any maintenance dredging of the flood shoal or navigational channels in the past 60 years. At this phase of the design and planning, no regular maintenance is anticipated. The planning and design phase will be evaluating the projects estimated design life.

- b) Identify any unique construction materials that may significantly alter the project costs.

The dredged material will be used to create mangrove islands and seagrass habitat at the County’s Tarpon Cove Restoration Project

(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-5

FLORIDA INLAND NAVIGATION DISTRICT
ASSISTANCE PROGRAM 2019

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

Project Title:	Lake Worth Inlet Flood Shoal Dredging Project: Phase 1
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>	Quantity or Total Estimated Cost <i>(Number and/or Footage etc.)</i>	Applicant's Cost <i>(To the nearest \$50)</i>	FIND Cost <i>(To the nearest \$50)</i>
Phase 1			
Engineering and Design	\$ 65,000	\$ 32,500	\$ 32,500
Hydrodynamic Survey	\$ 20,000	\$ 10,000	\$ 10,000
Resource Survey	\$ 20,000	\$ 10,000	\$ 10,000
Geotechnical / metal analysis	\$ 15,000	\$ 7,500	\$ 7,500
ADCP Current analysis	\$ 20,000	\$ 10,000	\$ 10,000
Flushing Analysis	\$ 50,000	\$ 25,000	\$ 25,000
Numerical / Morphodynamic models	\$ 50,000	\$ 25,000	\$ 25,000
Permitting	\$ 40,000	\$ 20,000	\$ 20,000
Phase 1 Subtotal	\$280,000	\$140,000	\$140,000
Phase 2			
Dredging, of the LWI Flood Shoal and the transport and placement of material to Tarpon Cove	80,000 cy @ \$35.00 \$2,800,000	\$1,400,000	\$1,400,000

**TOTALS =	\$ 280,000	\$140,000	\$ 140,000
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ATTACHMENT E-6
WATERWAYS ASSISTANCE PROGRAM 2019
PROJECT TIMELINE

Project Title:	Lake Worth Inlet Flood Shoal Dredging Project: Phase 1
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)

- Phase 1:.....(February 2019 - September 2020)
- Engineering and Design:.....(February 2019 - September 2020)
- Hydrodynamic Survey:.....(March 2019 - June 2019)
- Resource Survey:.....(June 2019 - July 2019)
- Geotechnical / metal analysis:.....(June 2019 - July 2019)
- ADCP Current analysis:.....(October 2019 - March 2020)
- Flushing Analysis:.....(October 2019 - March 2020)
- Numerical / Morphodynamic models:....(October 2019 - March 2020)
- Permitting:.....(July 2019 - September 2020)
-
- Phase 2:.....(March 2021 - August 2021)
- Dredging, of the LWI Shoal and the transport and placement of material to Tarpon Cove

ATTACHMENT E-8

ATTORNEYS CERTIFICATION OF TITLE 2019

(See Rule 66B-2.006(4) & 2.008(2) FAC)

OFFICE OF THE PALM BEACH COUNTY ATTORNEY
301 North Olive Ave
West Palm Beach, FL 33401

February 12, 2019

TO WHOM IT MAY CONCERN:

I, Shannon Fox, am an Assistant County Attorney for the Palm Beach County, Florida. I hereby state that I have examined a copy of a deed to Palm Beach County dated March 30, 1987, and recorded in the public records of Palm Beach County, Book 5227 Page 0589, conveying ownership of the following described property:

Legal Description:

27/34-42-43, PT PF SPECS 27 & 34 AS IN OR 1791 P636 (LESS R/W FOR A-1-A & RELOCATED CHANNEL)
PCN #: 00434227000009020

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

This property is what is referenced as County owned submerged land in in the WAP application for Lake Worth Inlet Flood Shoal Dredging Project: Phase 1.

I certify that the Palm Beach County has continuously owned this property since 1987.

Very truly yours,



Palm Beach County Assistance County Attorney

Lake Worth Inlet Flood Shoal Dredging Project: Phase 1

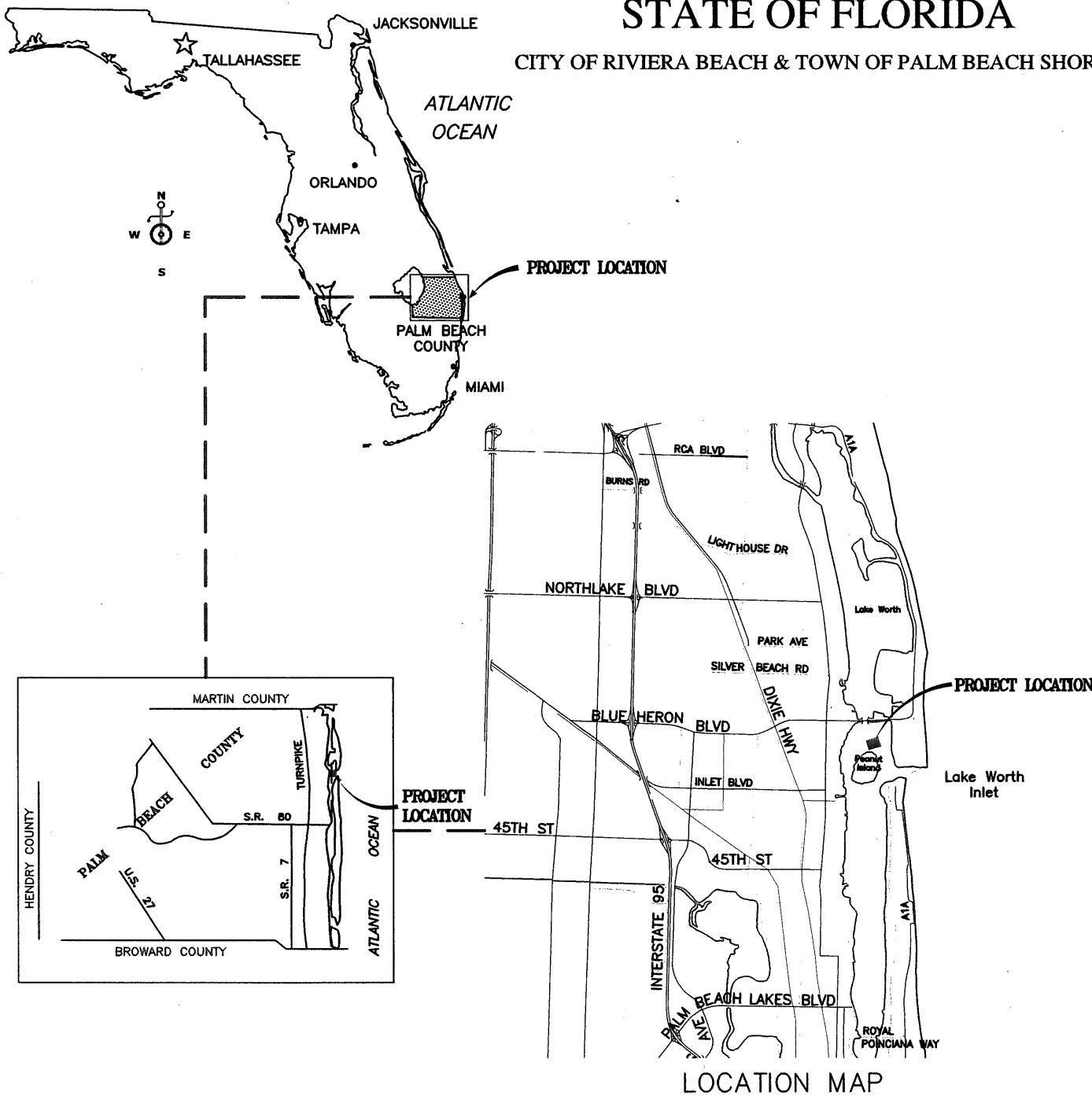
Waterways Assistance Program FY 2019

Attachment E-9

- 10. County / City Location Map
- 11. Project Boundary Map
- 12. Conceptual Plan for Development
- 13. This is a request for Phase 1 Funding Development and Permitting – No Permits required for development and design.

COUNTY OF PALM BEACH
STATE OF FLORIDA

CITY OF RIVIERA BEACH & TOWN OF PALM BEACH SHORES





Palm Beach County
Dept. of Environmental
Resources Management

Created: 1/8/2019 aa

**Lake Worth Inlet Tidal
Flood Shoal Boating
Safety & Restoration
Project: Location Map**

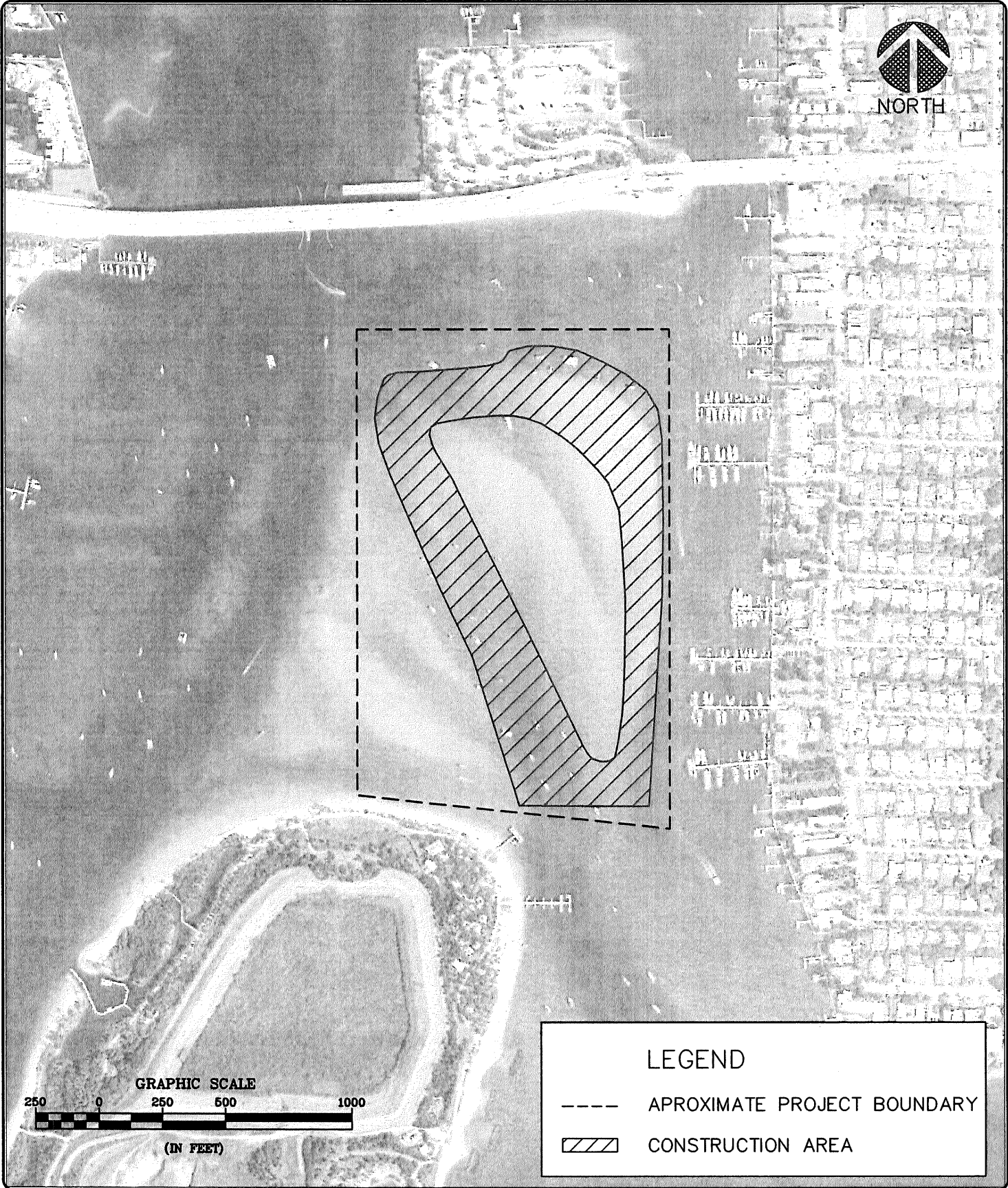
 Potential Project Area

 Palm Beach County Parcels 1 inch = 750 feet

Aerial Photo Date: 2017

0 500 1,000 1,500 Feet





ATTACHMENT E-7

**RESOLUTION FOR ASSISTANCE 2019
UNDER THE FLORIDA INLAND NAVIGATION DISTRICT
WATERWAYS ASSISTANCE PROGRAM**

WHEREAS, THE Palm Beach County Board of County Commissioners 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 Lake Worth Inlet Flood Shoal Dredging Project: Phase 1

Total Estimated Cost \$ 280,000.00

Brief Description of Project: This grant application, pending its approval, will be used to pay for the planning, design, and permitting of the Lake Worth Inlet Flood Shoal Dredging Project. The grant will be matched using Manatee Protection Funding.

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

NOW THEREFORE, be it resolved by the Palm Beach County Board of County Commission that the project described above be authorized,

AND, be it further resolved that said Palm Beach County Board of County Commissioners 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 Board of County Commissioners.

AND, be it further resolved by the Palm Beach County Board of County Commissioners 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

Board of County Commissioners 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.

This is to certify that the foregoing is a true and correct copy of a resolution duly
and legally adopted by the Palm Beach County Board of County Commissioners at a
legal meeting held on this 12th day of March 2019.

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY

By _____
Assistant County Attorney

ATTEST:
SHARON R. BOCK,
CLERK & COMPTROLLER

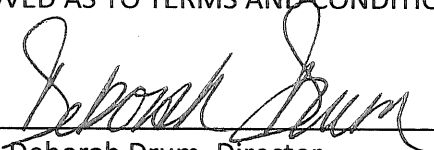
PALM BEACH COUNTY, FLORIDA, BY
ITS BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

(SEAL)

By: _____
Mack Bernard, Mayor
Palm Beach County Board of County
Commissioners

APPROVED AS TO TERMS AND CONDITIONS:

By: 
Deborah Drum, Director
Environmental Resources Management