

**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 the Florida Inland Navigation District (FIND) to fund up to \$740,022 or 50% of construction costs for the Sawfish Island Restoration Project (Project);

B) adopt a Resolution for Assistance through FIND WAP requesting \$740,022 to cover a portion of the construction 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 \$740,022 for the \$1,480,045 Project. If successful in receiving funding, the deadline for spending the grant will be September, 2021. 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 construction costs for the Project, located within the Town of Jupiter that includes creating wetlands for habitat restoration and public use.

Attachments:

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

Recommended by:		<u>2-26-19</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:

[Signature] 2/15/19
OFMB P&D 2/15

[Signature] 2/28/19
Contract Administrator

B. Legal Sufficiency:

[Signature]
Assistant County Attorney

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

Project Title:	Sawfish Island Restoration Project
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)	_____	_____
2. Application Checklist – E-1 (Form No. 90-26, 2 pages) (Form must be signed and dated)	<u> X </u>	_____
3. Applicant Info/Project Summary – E-2 (Form No. 90-22, 1 page) (Form must be completed and signed)	<u> X </u>	_____
4. Project Information – E-3 (Form No. 90-22a, 1 page)	<u> X </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> X </u>	_____
6. Project Cost Estimate – E-5 (Form No. 90-25, 1 page) (Must be on District form)	<u> X </u>	_____
7. Project Timeline – E-6 (Form No. 96-10, 1 page)	<u> X </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> X </u>	_____

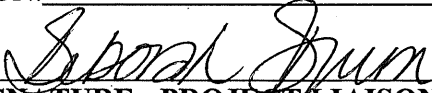
ATTACHMENT E-1 (Continued)

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

 2-1-19
** 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

WATERWAYS ASSISTANCE PROGRAM FY 2018 PROJECT APPLICATION APPLICANT INFORMATION – PROJECT SUMMARY

APPLICANT INFORMATION			
Applicant: Palm Beach County Board of County Commissioners			
Department: Environmental Resources Management			
Project Title: Sawfish Island Restoration Project			
Project Director: Deborah Drum		Title:	Director
Project Liaison: Deborah Drum <i>(if different from Project)</i>		Title:	Director
Mailing Address:		2300 North Jog Road, 4 th Floor	
City: West Palm Beach		Zip Code:	33411-2743
Email Address: ddrum@pbcgov.org		Phone #:	561-233-2414
Project Address:		The island is 1.27 miles southwest of the Jupiter Inlet	

***** 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><u>Sawfish Island, a 9.27 acre parcel, is located in the Loxahatchee River-Lake Worth Creek Aquatic Preserve along the Intracoastal Waterway 1.27 miles southwest of the Jupiter Inlet. Florida Inland Navigation District (FIND) owns 3.65 acres of land on Sawfish Island that was used for dredged material management. The remaining approximately 5½ acres of mangrove community surrounding the FIND spoil areas is state-owned. The goals of this project are: (1) remove 2.65 acres of exotic vegetation and excavate the infested uplands to wetland elevations to provide additional habitat for fish and wildlife; (2) stabilize two inlet to the wetland basins and connect the two wetland basins via a historic mangrove ditch to improve flushing to the mangrove community; and (3) provide public access and promote environmental education and recreational opportunities.</u></p> <p><u>The project includes the excavation of impacted uplands to create 1.46 acres of submerged basins and 0.72 acres of mangroves, the creation of 0.31 acres of mixed hardwoods and the restoration 0.54 acres of mixed hardwoods, and the restoration 0.65 acres of existing mangrove habitat. In addition, limerock riprap will be placed at the inlets for stabilization and potential oyster habitat. Public access features on the uplands include an observation tower, picnic benches and an informational kiosk.</u></p>

ATTACHMENT E-3 - PROJECT INFORMATION 2019

Applicant:		Project Title:	
Total Project Cost: \$1,480,045	FIND Funding Requested: \$740,022	% of Total Cost: 50%	
Amount and Source of Applicant's Matching Funds: \$740,023 from County Funds			

1. Ownership of Project Site (check one): Own: ☐ Leased: ☐ Other: ☒
2. If leased or other, please describe lease or terms and conditions: FIND owns 4.25 acres of the island for spoil material management; the remaining 6 acres of mangroves are owned by the State of Florida, Board of Trustees of the Internal Improvement Trust Fund.

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

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): There is currently no improved public access to this island.

6. How many additional ramps, slips, parking spaces or other access features will be added by this project? This project will provide access to kayaks and paddle boarders via two channel cuts and a connection to the two wetland basins.

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	No		
DEP	Yes	2/15/2019	
ACOE	Yes	2/15/2019	

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:	Sawfish Island 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.)

Acquisition and development of publicly owned spoil disposal sites & public commercial/industrial waterway access.

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

This project involves the restoration of a FIND spoil disposal site in the Town of Jupiter to increase recreational and educational opportunities and provide a destination for the residents and visitors of Palm Beach County. The island will feature an observation tower to overlook the Jupiter Inlet and Lighthouse along the Loxahatchee River. The island will provide kayak, canoe and stand-up paddleboard (SUP) access to 1.75 acres of created open-water and mixed hardwoods. In addition to the educational and recreational components, the project will remove 2.65 acres of exotic vegetation and excavate and remove from the island approximately 22,100 cy³ of spoil to provide additional habitat for fish and wildlife.

(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 located directly adjacent to the ICW and will provide a new destination for the paddling public. The FIND portion of the island where dredged spoil was placed will be cleared, excavated and restored. This project will re-establish vital estuarine habitat and provide recreational opportunities for exploration of those habitats. Kiosks will provide information about the history of the island, ICW and the restored habitat.

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

The restoration of Sawfish Island will allow paddlers to access the interior of the island via openings along the adjoining ICW.

*(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.

Sawfish Island currently has limited usage by the public. The construction of educational and recreational components are anticipated to increase visitors to the island, especially during weekends and holidays. Access to the island by paddlers will be increased with the construction of the project. Two existing kayak and paddleboard rental facilities are located within ½ mile of the project area and paddlers visit the surrounding area daily. The recently completed Fullerton Island project, which is just south of this project, is regularly used by recreationalists and is used weekly by three nearby summer camps.

- 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.

This project involves the restoration of 10.25 acres of coastal habitat, which will provide valuable ecosystem services to the public and will serve as a “living classroom” for students of local schools and the general public. The proposed wetland basins will provide an area for kayakers and stand-up-paddle boarders (SUP’s) to have an in-depth look at coastal habitats that are not easily accessible in other areas of Jupiter. Visitors from other counties will have a new inshore destination in Palm Beach County and the site is readily accessible from the near-by launching facility immediately southeast of the island.

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

There are no restrictions placed on commercial access or use of this site. This site can be used and enjoyed by all residents and visitors to the area. Burt Reynold’s Park boat ramp and Sawfish Island kayak launch and kayak/paddleboard rentals are within ¼ mile of the island.

(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.

Permit applications were submitted February 15, 2019. Construction is anticipated to commence in July 2020 and be completed by April 2021.

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

The fill from the Sawfish Island project will be used to create seagrass and mangrove habitat. The destination site, Tarpon Cove, in the Lake Worth Lagoon is permitted for acceptance of clean fill material.

*(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.

County funding to match the requested \$740,022 in FIND funds will be budgeted.

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

The County anticipates conducting construction of this project in conjunction with the construction of the Tarpon Cove Project in the Lake Worth Lagoon to increase cost efficiency. By coordinating with other County projects to find beneficial re-use of the spoil material, overall costs can be reduced.

- 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.

There will be no fees associated with the use of the paddling trails and observation tower.

*(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?**

The community would greatly benefit from this project, as there are other similar parks within the Town of Jupiter with an area for SUP's, kayaks or canoes. The closest similar parks are at the recently completed Fullerton Island project (337 feet to the south) and Dubois Park (1.2 miles to the east). The completion of the Sawfish Island Restoration Project will put Jupiter on the map as a premier destination for the paddling community. In addition to fulfilling a public need, the project also provides much needed habitat for fish and wildlife and water quality improvements.

This project is referenced in the Loxahatchee River-Lake Worth Creek Aquatic Preserve Management Plan: page 63 – 4.4.3/Public Use – Objective 2.1/Increase public access and low impact recreational opportunities on Loxahatchee River-Lake Worth Creek Aquatic Preserve.

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

As per a condition of the grant agreement, the County has agreed to assume long-term maintenance of the project upon completion. It is anticipated that local paddling outfits will adopt the site and conduct monthly trash pickups similar to that of the adjacent Fullerton Island Project.

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

This project will restore 10.25 acres of coastal habitat which will provide long-lasting environmental benefits for fish and wildlife, including habitat and water quality improvements. The project will also afford lasting recreational benefits for the community by providing an additional area for the locals and visitors to use as a paddling destination in perpetuity.

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

The project will provide benefits for fish and wildlife and listed species (Little Blue Heron, Osprey and West Indian Manatee) by removing exotic vegetation and creating valuable wetland habitat, and will improve water quality by providing additional rock for oyster recruitment.

*(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.

Applications for environmental permits to DEP and USACE were submitted on February 15, 2019.

- 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.**

Not applicable.

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

No impediments are anticipated.

*(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?**

The design is complete.

- 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?**

The cuts to the wetland basins and the connecting channel will provide access to areas of the island currently not available and showcase a diversity of habitats, including mangroves, seagrass, and hardwood hammock, while construction methods are designed to minimize impacts to existing mangroves and seagrass. The rock placed at the channel openings will serve as valuable oyster habitat and will contribute to water quality improvements. The excavated fill is slated for beneficial re-use in conjunction with a county project in the Lake Worth Lagoon, which will help reduce overall costs.

The observation tower located on the north end of Sawfish Island will give visitors a premiere destination for a spectacular view of the Jupiter Inlet and Jupiter Lighthouse. In addition to educating the community about the importance of wetlands through kiosks and informational signage, the restoration project will provide additional habitat for fish and wildlife.

*(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.**

The cleared exotic vegetation will be burned on site using an US EPA approved air curtain incinerator as was used at the adjacent Fullerton Island restoration project. Approximately 22,100 cy3 of spoil material will be scraped down to create mangrove (0.36 acres) and potential seagrass (1.75 acres) habitat using excavation equipment on the spoil uplands. The spoil material will be conveyed and barged off-site for beneficial re-use to fill in dredged holes on the permitted Tarpon Cove project site. Upland restoration includes selectively clearing exotics from the mixed hardwoods along the western perimeter and re-vegetating the berm.

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

Because Sawfish is an island project, water-based construction techniques are necessary.

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

Costs are increased due to the need for all equipment to be barged to the island. A shallow draft barge will be needed to deliver machinery to create access from the ICW to the impacted uplands and to place limerock at the channel entrances. Beneficial reuse of excavated material will reduce disposal costs. The connecting channel between the two wetland basins will be field fitted and excavated with a small excavator to reduce impacts to the mangroves.

*(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?

Building material will include limestone boulders, bedding stone, geotextile material, composite wood and concrete pilings. Marine hammock species will include Sabal palm, sea grape, gumbo limbo, green buttonwood, black ironwood, blolly, black bead, saw palmetto, and wetland species will include seashore paspalum, Saltmeadow cordgrass, gulf cordgrass, sea oats and red mangroves. The wood and concrete structures are expected to last 30-50 years, and the rock and plant material will last indefinitely.

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

Composite wood for the observation tower is a good environmental alternative. Although the initial cost of composite wood can be higher, it is durable and long lasting and low-maintenance and when you factor in the cost on ongoing maintenance required with regular wood, a composite structure can end up paying for itself in well under 10 years. It resists fading, staining, scratching, and will not rot, crack or warp. It is also insect-proof and splinter-free, making it safer and more comfortable for families with children.

(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:	Sawfish Island 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>	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>
Mobilization	\$50,000	\$50,000	\$0
Clearing/Chipping/Burning	1.75 ac x \$17,143/ac =\$30,000	\$30,000	\$0
Excavation & Transport	22,586 cy x \$41/cy =\$920,450	\$547,725	\$372,725
Rip rap revetment installed	3,945 tons x \$82/ton =\$322,595	\$47,798	\$274,797
Construction Survey & Turbidity Control	\$52,500	\$52,500	\$0
Construction of Observation Tower & Picnic Tables	1 x \$87,500	\$0	\$87,500
Planting: Mangroves & Mixed Hardwoods	1 ac x \$12,000/ac =\$12,000	\$12,000	\$0
FIND signs/pilings/ 2 kiosks	\$5,000	\$0	\$5,000

**TOTALS =	\$ 1,480,045	\$ 740,023	\$ 740,022
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ATTACHMENT E-6
WATERWAYS ASSISTANCE PROGRAM 2019
PROJECT TIMELINE

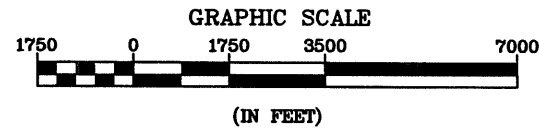
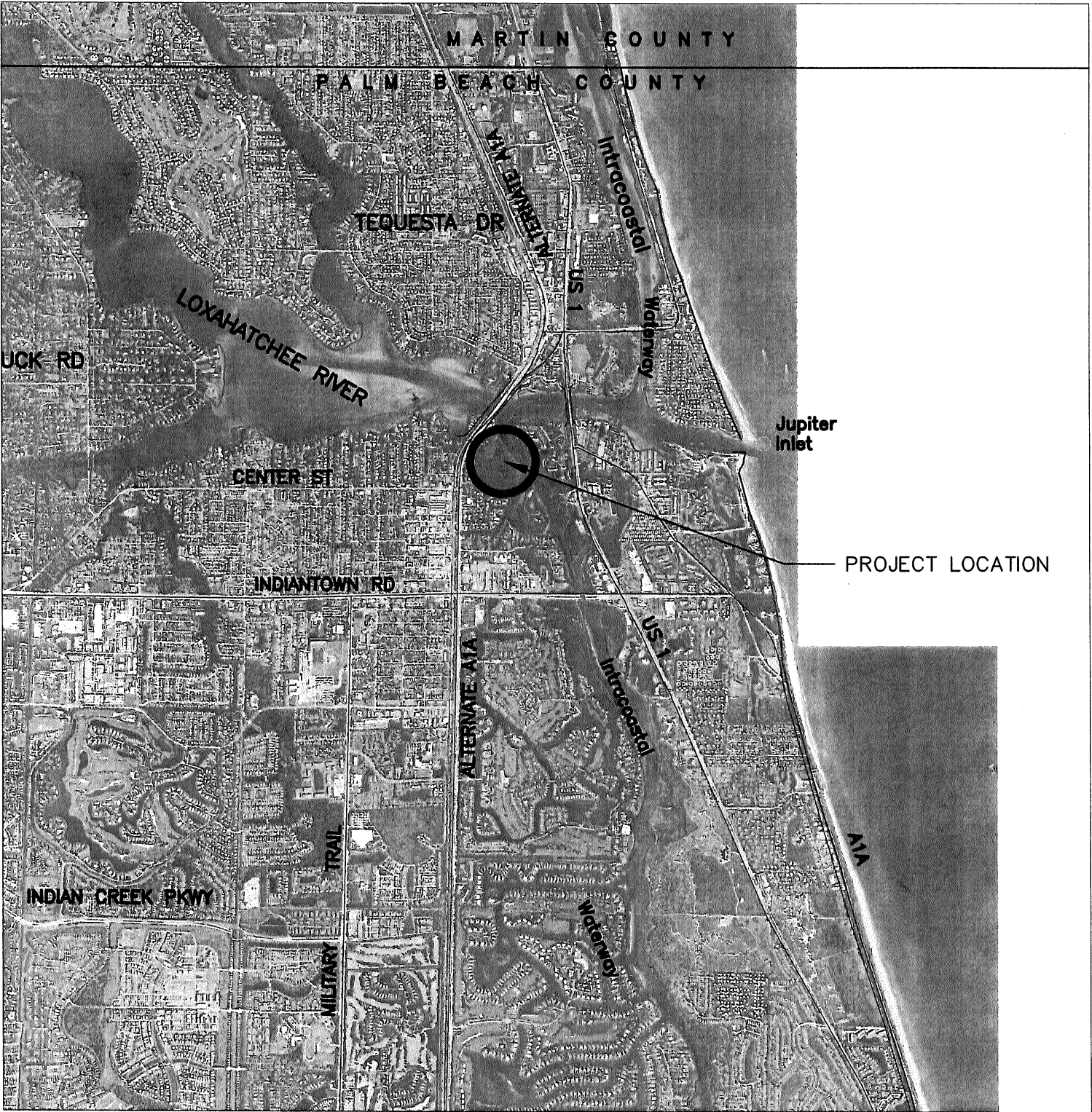
Project Title:	Sawfish Island Restoration Project
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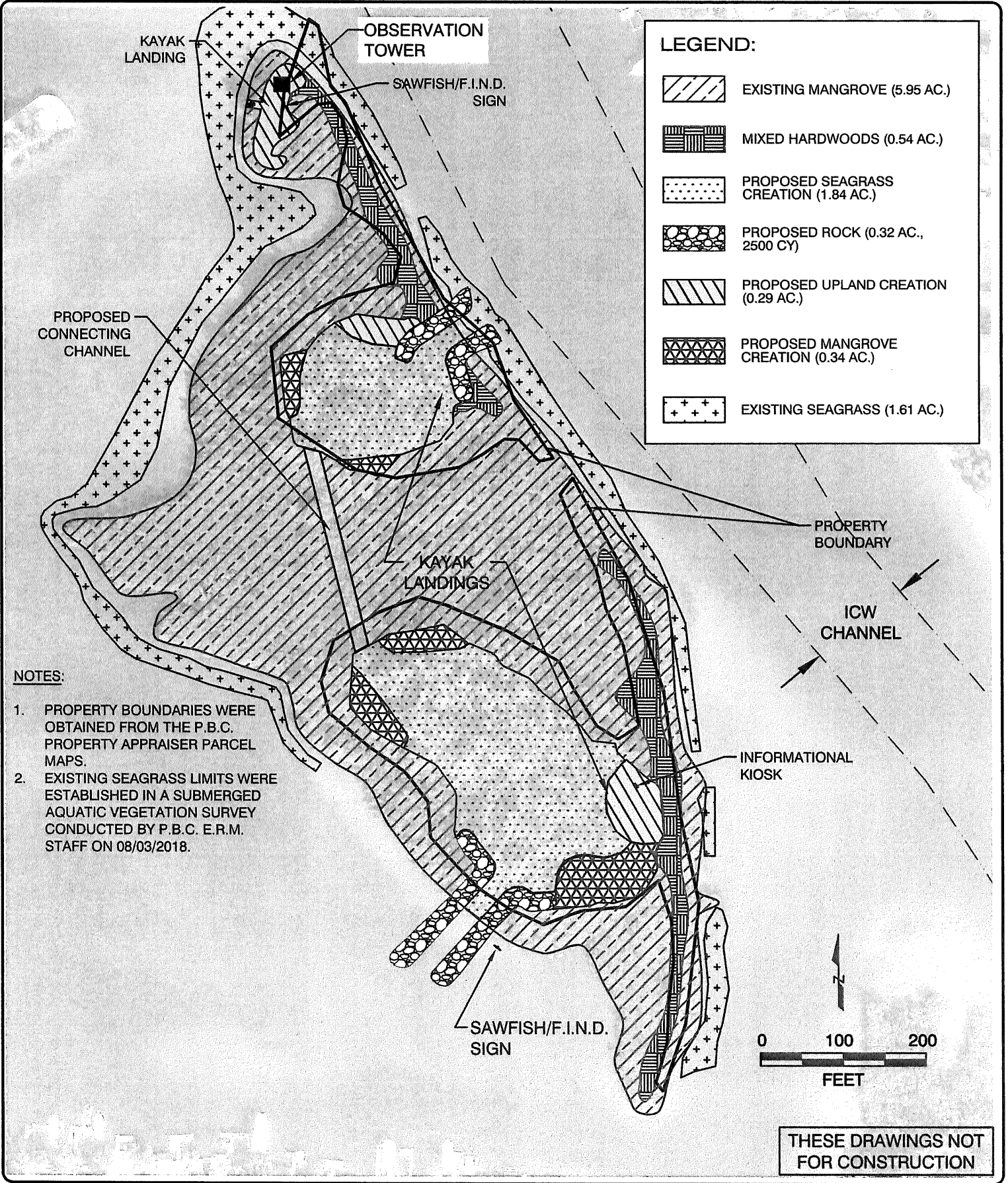
The applicant is to present a detailed timeline on the accomplishment of the components of the proposed project including, as applicable, completion dates for: permitting, design, bidding, applicant approvals, initiation of construction and completion of construction.
NOTE: All funded activities must begin AFTER October 1st
(or be consistent with Rule 66B-2.005(3) - Pre-agreement expenses)

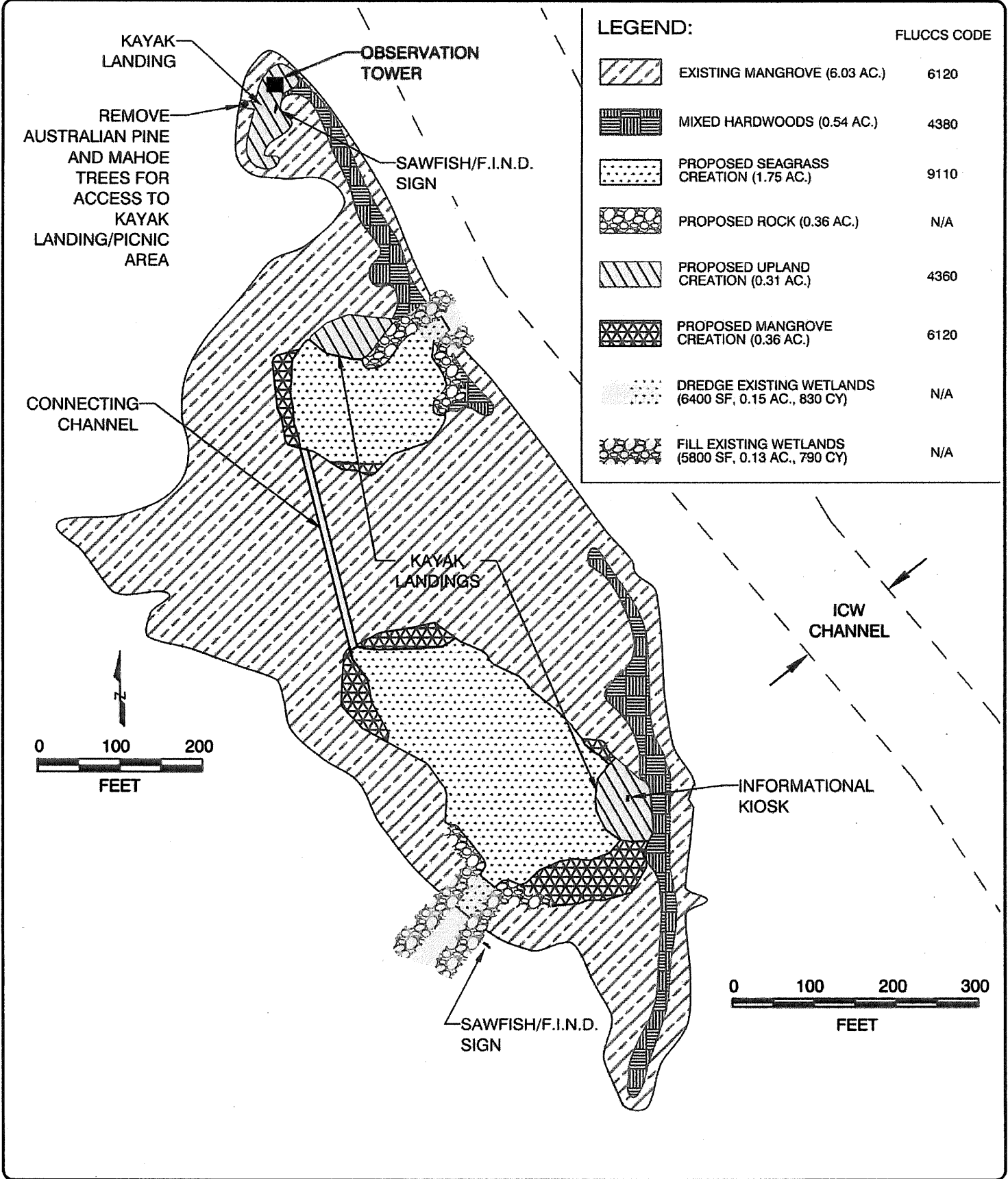
	2018		2019				2020				2021										
	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
Planning & design	X	X	X	X																	
Permitting					X	X	X	X	X	X	X	X	X								
Technical Specifications										X	X	X	X	X							
Executed WAP Agreement w/FIND										X	X	X									
Contractor procurement										X	X	X	X	X	X						
Mobilization																	X				
Clearing																		X			
Excavation/Grade/Transport														X	X	X	X				
Rip rap placement																		X			
Dock/Tower installation																			X	X	
Planting																					X
Contract close-out																					X

SAWFISH ISLAND LOCATION MAP

SECTION: 31 TOWNSHIP: 40 RANGE: 43







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 Sawfish Island Restoration Project

Total Estimated Cost \$ \$1,480,045

Brief Description of Project:

Sawfish Island is located in the Loxahatchee River-Lake Worth Creek Aquatic Preserve along the Intracoastal Waterway 1.27 miles southwest of the Jupiter Inlet. Florida Inland Navigation District (FIND) owns four and a quarter acres of land on Sawfish Island for dredged material management. The remaining 6 acres of mangrove community surrounding the FIND spoil areas is state owned. The goals of this project are: (1) remove 2.65 acres of exotic vegetation and excavate the infested uplands to wetland elevations to provide additional habitat for fish and wildlife; (2) stabilize two channels to the wetland basins and connect the two wetland basins via a historic mangrove ditch to improve flushing to the mangrove community; and (3) provide public access and promote environmental education and recreational opportunities.

The project includes the excavation of impacted uplands to create 1.75 acres of wetland basins and 0.36 acres of mangroves, and the restoration 0.54 acres of mixed hardwoods. In addition, limerock riprap will be placed at the channel entrances for stabilization and potential oyster habitat. Public access features include an observation tower, picnic benches and an informational kiosk.

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 ___ day of _____ 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
Deborah Drum, Director
Environmental Resources Management