

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: May 1, 2007 (X) Consent () Regular
() Workshop () Public Hearing

Department

Submitted By: Environmental Resources Management

Submitted For: Environmental Resources Management

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to:

A) **adopt** Resolution for Assistance through Florida Inland Navigation District (FIND) Waterways Assistance Program authorizing submission of a grant application requesting \$233,220 to cover a portion of the costs associated with dredging the interior sand trap at South Lake Worth Inlet, dredging the Boynton Boat Club Channel, and installation of 2 channel marker buoys;

B) **authorize** the County Administrator or his designee to sign the project agreement, all future time extensions, task assignments, certifications and other forms associated with the project agreement, and necessary minor agreements that do not change the scope of work or terms and conditions of the agreement if the grant is approved; and

C) **authorize** the Director of the Department of Environmental Resources Management to serve as Liaison Agent with FIND for this project.

Summary: This grant, if approved, will reimburse the County up to \$233,220 for costs associated with the project, which is 26% of the estimated total project cost of \$897,000. The deadline for spending the grant, should it be awarded, will be finalized in the grant documents, but is currently estimated to be April, 2008. District 4 (SF)

(continued on Page 3)

Attachments:

- 1. Resolution for Assistance Under the FIND Waterways Assistance Program
- 2. FIND Waterways Assistance Program Grant Application

Recommended by: Richard E. Walubny 4/5/07
Department Director Date

Approved by: [Signature] 4/5/07
County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2007	2008	2009	2010	2011
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 _____
 Budget Account No.: Fund _____ Department _____ Unit _____ Object _____
 Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact: No fiscal impact at this time, as the item will be brought to the BCC for amendment if grant is approved and the fiscal impact will be addressed then. Grant application for project estimated to be 897,000, to be funded by FIND (233,220), DEP (430,560), City of Boynton Bch (17,940), and the County (215,280). The County portion previously approved for 275,000.

C. Department Fiscal Review:

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments: A resolution is required for the grant application in which the BCC authorizes/ indicates interest in such a project.

OFMB 4/19/07
 4/13/07
 4/19/07
 Contract Development and Control 4/16/07
 4/16/07

B. Legal Sufficiency:

 Assistant County Attorney

C. Other Department Review:

 Department Director

(Continued from Page 1)

Background and Justification: Palm Beach County is implementing a portion of the South Lake Worth Inlet Management Plan. Specifically, this work includes dredging sand from the interior sand trap to improve boater safety and dredging the existing boat channel to Boynton Boat Club Park as agreed upon in our Interlocal Agreement with the City of Boynton Beach (R2007-0044). A Budget Amendment will be submitted when the grant is approved. The City's share will be determined after the construction contract has been bid. Sufficient Budget exists to fund planning activities prior to going out to bid. Construction is expected to begin as early as November 1, 2007.

RESOLUTION NO. 2007-_____

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, FOR ASSISTANCE 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: South Lake Worth Inlet Sand Trap and Boat Channel Maintenance Dredging

Total Estimated Cost: \$ 897,000

Brief Description of Project: Project includes hydraulic dredging of +/- 50,000 cy of sand from the interior sand trap and +/- 2,000 cy of sand from the Boynton Boat Club Channel. Dredging the trap improves flushing, reduces sedimentation impacts to seagrasses, reduces flow of sand to the ICW, and facilitates boater access to Ocean Inlet Park marina since the boat channel from the inlet to Ocean Inlet Park runs through the sand trap. Dredging the Boynton Boat Club Channel facilitates boater access between Boynton Boat Club Park and the navigation channel of the Intracoastal Waterway. The dredged sand will be pumped via pipeline to nourish the beach south of the inlet; and

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

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, THAT the project described above be authorized,

AND, be it further further resolved that said PALM BEACH COUNTY make application to the Florida Inland Navigation District in the amount of 26% of the actual cost of the project in behalf of said PALM BEACH COUNTY,

AND, be it further resolved by 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.

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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 handicapped persons 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, the vote was as follows:

- Commissioner Addie L. Greene, Chairperson _____
- Commissioner John F. Koons, Vice Chair _____
- Commissioner Karen T. Marcus _____
- Commissioner Warren H. Newell _____
- Commissioner Mary McCarty _____
- Commissioner Burt Aaronson _____
- Commissioner Jess R. Santamaria _____

The Chairperson thereupon declared the Resolution duly passed and adopted this _____ day of _____, 20__.

APPROVED AS TO FORM AND LEGAL SUFFICIENCY

PALM BEACH COUNTY, FLORIDA BY ITS BOARD OF COUNTY COMMISSIONERS

Sharon R. Bock, Clerk & Comptroller

By _____
Assistant County Attorney

By _____
Deputy Clerk

ATTACHMENT E-1

WATERWAYS ASSISTANCE PROGRAM
PROJECT APPLICATION
APPLICANT INFORMATION - PROJECT SUMMARY

Applicant: Palm Beach County

Department: Environmental Resources Management

Project Title: South Lake Worth Inlet - Sand Trap and Boat Channel Maintenance Dredging

Project Director: Richard E. Walesky

Project Liaison Agent (if different from above): _____

Liaison Agent Title: Director


Address: 2300 N.Jog Road, 4th Floor

West Palm Beach, FL Zip Code: 33411-2743

Telephone: 561-233-2400/2491 Fax: 561-233-2414

Email: rwalesky@co.palm-beach.fl.us and copy tlogue@co.palm-beach.fl.us

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

SIGNATURE:  DATE: 3/28/07

PROJECT SUMMARY NARRATIVE (Please summarize the project in 2 paragraphs or less.)

Project includes hydraulic dredging of +/- 50,000 cy of sand from the interior sand trap and +/- 2,000 cy of sand from the Boynton Boat Club Channel. Dredging the trap improves flushing, reduces sedimentation impacts to seagrasses, reduces flow of sand to the ICW, and facilitates boater access to Ocean Inlet Park (OIP) marina since the boat channel from the inlet to OIP runs through the sand trap. Dredging the Boynton Boat Club Channel facilitates boater access between the park and the ICW.

The dredged sand will be pumped via pipeline to nourish the beach south of the inlet.



**ATTACHMENT E-2
APPLICATION CHECKLIST
(To be completed by the Applicant)**

This checklist and the other items listed below in items 1 through 14 constitute your application. The required information shall be submitted in the order listed.

Any additional information submitted by the applicant is subject to being removed from the package by District staff prior to presentation to the District Board because of reproduction and space considerations.

Two (2) copies of your application are required.

All information is required to be on 8 1/2" x 11" paper.

Maps and drawings may be on 8 1/2" x 14" paper and folded to 8 1/2" x 11" so that they may be folded out after being hole punched and bound in a book.

	<u>YES</u>	<u>NO</u>
1. District Commissioner Review (prior to March 01) (NOTE: For District Commissioner initials ONLY!) (District Commissioner must initial the yes line on this checklist for the application to be accepted for processing)	<u>MR</u>	_____
2. Applicant Info/Project Summary – E-1 (Form No. 90-22, 1 page) (Form must be completed and signed)	<u>MR</u>	_____
3. Application Checklist – E-2 (Form No. 90-26, 2 pages) (Form must be signed and dated)	<u>MR</u>	_____
4. Project Information – E-3 (Form No. 90-22a, 1 page)	<u>MR</u>	_____
5. Project Evaluation and Rating – E-4(+) (Form No. 91-25) (Form must be completed, proper attachment included) (No signatures required)	<u>MR</u>	_____
6. Project Cost Estimate – E-5 (Form No. 90-25, 1 page) (Must be on District form)	<u>MR</u>	_____
7. Official Resolution Form – E-6 (Form No. 90-21, 2 pages) (Resolution must be in District format and include items 1-6)	_____	<u>MR</u>
8. Attorney’s Certification (Land Ownership) – E-7 (Must be on or follow format of Form No. 94-26, legal descriptions alone are not acceptable)	_____	<u>MR</u>

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ATTACHMENT E-2 (Continued)
APPLICATION CHECKLIST
 (To be completed by the Applicant)

- | | | |
|---|-----------|-----------|
| 9. Project Timeline – E-8 (Form 96-10, 1 page) | <u>MA</u> | _____ |
| 10. County Location Map | <u>MA</u> | _____ |
| 11. City Location Map (if applicable) | _____ | <u>NA</u> |
| 12. Project Boundary Map | <u>MA</u> | _____ |
| 13. Site Development Map | _____ | <u>NA</u> |
| 14. Copies of all Required Permits
(Required of development projects only) | _____ | <u>NA</u> |

The undersigned, as applicant, acknowledges that Items 1 through 13 above constitutes a complete application and that this information is due in the District office no later than June 01, 2007 or my application will be deemed incomplete at that time and removed from any further consideration by the District. I also acknowledge that the information in Item 14 is due to the District no later than the final TRIM Hearing in September 2007. If the information in Item 14 is not submitted to the District office by the District's final TRIM hearing in September 2007, I am aware that my application will be removed from any further funding consideration by the District.

Bob Miller
 APPLICANT'S LIAISON

3/28/07
 DATE

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

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**ATTACHMENT E-3
PROJECT INFORMATION**

Total Project Cost: \$ 897,000 FIND Funding Requested: \$ 233,220 % of total cost: 26%

Amount and Source of Applicants Matching Funds: PBC \$215,280
DEP \$430,560 City of Boynton Beach \$17,940

Other (non-FIND) Assistance applied for (name of program and amount) None

Ownership of Project Site (check one): Own: Leased: Other: See below

If leased or other, please describe lessor terms and conditions: Sand Trap: Deed No. 18656-A 2/13/1946 and Perpetual Easement D.B. 759-Pg 258. Boynton Boat Channel: 30 yr submerged lands easement expires 2023, ORB 8237 Pg 1125. Disposal site: 25 50-year easements for placement of dredged material with remaining properties County-owned.

Once completed, will this project be insured? No Explain: _____

Has the District previously provided assistance funding to this project or site? : Yes

If yes, please list: In 2001 for \$256,303

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): Ocean Inlet Park – 19 rental slips, 338 ft. dock, no trailer spaces.

Boat Club Park – 4 lighted boat ramps, 6 lighted holding docks, 310 ft. fishing pier, 137 trailer spaces, no boat slips.

How many additional ramps, slips, parking spaces or other public access features will be added by the completion of this project? (as applicable): None

If there are fees charged for the use of this project, please denote. How do these fees compare with fees from similar public & private facilities in the area? Please provide documentation N/A

Please list all Environmental Resource Permits Required for this project:

<u>Agency</u>	<u>Yes/ No N/A</u>	<u>Date Applied For</u>	<u>Date Received</u>
WMD	<u>N/A</u>		
DEP	<u>Yes</u>	<u>7-2-99</u>	<u>2-8-01</u>
ACOE	<u>Yes</u>	<u>7-2-99</u>	<u>2-8-01</u>
COUNTY/CITY	<u>N/A</u>		

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ATTACHMENT E-4

WATERWAYS ASSISTANCE PROGRAM

APPLICATION EVALUATION AND RATING WORKSHEET

The applicant is to complete this worksheet by entering the project title, applicant name and answers to the applicable questions. ****Do not answer with more than three sentences.****

All applicants must answer a total of ten questions. All applicants will complete Attachment E-4 of the worksheet, which includes questions 1 through 6.

Each applicant will then complete **one and only one sub-Attachment** (E-4 A, B, C, D or E, questions 7-10) according to the applicant's project type in reference to Attachment B. The applicant should determine their project type (if the project incorporates more than one project type) by determining which project type is dominant in terms of project cost.

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

**APPLICATION TITLE: South Lake Worth Inlet – Sand Trap & Boat Channel
Maintenance Dredging**

APPLICANT: Palm Beach County

CATEGORY & RATING POINTS AVAILABLE	RATING POINTS	EVALUATION CRITERIA
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1) PRIORITY LIST:

- a) **List 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.)
3 – Inlet Management Projects that are a benefit to public navigation in the District.
- b) **Explain how the project fits this priority category.**
Beach sand was transported through the inlet and was deposited in the trap and channel. This project will remove that sand and enhance public navigation.

(For reviewer only)
Max. Available Score _____
Range of Score (0 to 8 points)

10

2) WATERWAY RELATIONSHIP:

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

The dredging project provides boater access to the ICW from public facilities, helps to reduce dredging of the ICW, and prevents the loss of seagrass habitat adjacent to the ICW.

- b) How does the project benefit public navigation or access to the ICW or adjoining waterways?**

Navigation and access are benefited by dredging because dredging will reduce shoaling in the ICW.

(For reviewer only)
(0-6 points)

3) PUBLIC USAGE & BENEFITS:

- a) How is the public usage of this project clearly identified and quantified?**

Public usage can be identified by the established facilities utilizing the access being maintained by the project.

- b) Discuss the regional local public benefits and access to be provided by the project.**

The SLWI provides ocean access for commercial and recreational boaters and improves water quality through 12 miles of the Lake Worth Lagoon. Ocean Inlet Park provides dockage and facilities for the public, the County Sheriff boats, and county lifeguard craft.

- c) Estimate the amount of total public use.**

Ocean Inlet Park: typically 10 - 20 boats per day.
Boynton Boat Club Park: 50 - 150 boats per day.

- d) Can residents from other counties of the District reasonably use the project? Explain.**

Yes. Channels, parks, marina, and boat ramps are all public.

(For reviewer only)
(0-8 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-8.**

DEP/Corps permits have been issued for trap dredging. The project is fully funded, and a State cost-sharing contract is in effect (99PB1). The City of Boynton Beach anticipates receipt of exemption on the County's permit by April '07. Project will be bid by July 07, and the anticipated dredging will begin Nov. 07.

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

None. The work is routine.

(For reviewer only)
(0-3 points)

5) COSTS & EFFICIENCY:

- a) List any additional funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**

DEP funding approved on 5/20/03 for \$430,560 under Contract #99PB1. City of Boynton Beach will reimburse the county for boat club channel dredging and a fraction of mobilization cost estimated at \$17,940.

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

None, though dredging rates tend to vary according to the schedules of the contractors.

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

Dredging both the trap and the Boynton Boat Club channel saves mobilization costs.

- 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.**

N/A

(For reviewer only)
(0-6 points)

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6) PROJECT VIABILITY:

a) Does the project fill a specific need in the community?

Yes, the project provides navigable channels to the County and City parks and returns sand to the downdrift side of the inlet.

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

After the sand trap is dredged it will function more efficiently in trapping sand for approximately 8 years.

c) Will the program result in significant and lasting benefits?

Yes. It allows navigation and preserves seagrasses.

(For reviewer only)
(0-7 points)

SUB-TOTAL _____

FIND FORM NO. 91-25
(Effective Date: 3-21-01, Revised 4-24-06)

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ATTACHMENT E-4D
WATERWAYS ASSISTANCE PROGRAM
APPLICATION EVALUATION AND RATING WORKSHEET
INLET MANAGEMENT and PUBLIC NAVIGATION PROJECTS

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

CATEGORY & RATING POINTS AVAILABLE	RATING POINTS	EVALUATION CRITERIA
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7) WATERWAY RELATIONSHIP:

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

A dredged sand trap more effectively traps sand before it reaches the ICW, thereby reducing shoaling in the ICW. A dredged sand trap also reduces sedimentation impacts to adjacent seagrass beds.

b) Briefly discuss any methods or activities that will address long-term sedimentation problems.

The trap was deepened and expanded in 2001-02 to increase its capacity and reduce the required dredge frequency.

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

Yes. The project will reduce sediment inflow into the ICW and therefore reduce dredging frequency in the ICW.

(For reviewer only)
(0-5 points)

14

8) PUBLIC ACCESS:

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

Both aspects of the project (trap and channel dredging) will enhance public access to the ICW by removing shoaling sand.

(For reviewer only)
(0-3 points)

9) PROJECT DESIGN:

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

Placing the dredged sand on the downdrift beach reduces the impacts of the inlet on natural sediment transport.

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

Use of a sand trap reduces sedimentation impacts to adjacent seagrass areas.

Having a maintained channel to the Boynton Boat Club Park ramp reduces impacts to seagrasses from propeller scour.

(For reviewer only)
(0-2 points)

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10) PROJECT FUNDING:

- a) List the additional funding sources for this project. What is the status of these funding sources?**

A project agreement for matching funds from the State has been executed and a long-term maintenance fund for the inlet was established by the Palm Beach County Board of County Commissioners.

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

The County has designated annual ad valorem funding, and the costs of maintaining the inlet are in DEP's long-range budget plan.

(For reviewer only)
(0-2 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 0 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25D
(Effective Date: 3-21-01, Revised __-__)

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ATTACHMENT E-8
WATERWAYS ASSISTANCE PROGRAM
PROJECT TIMELINE

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

SLWI sand trap dredging

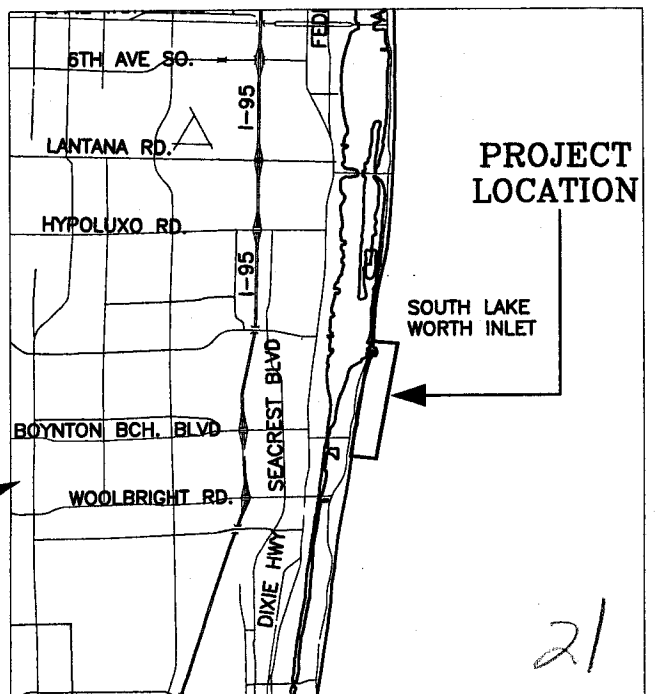
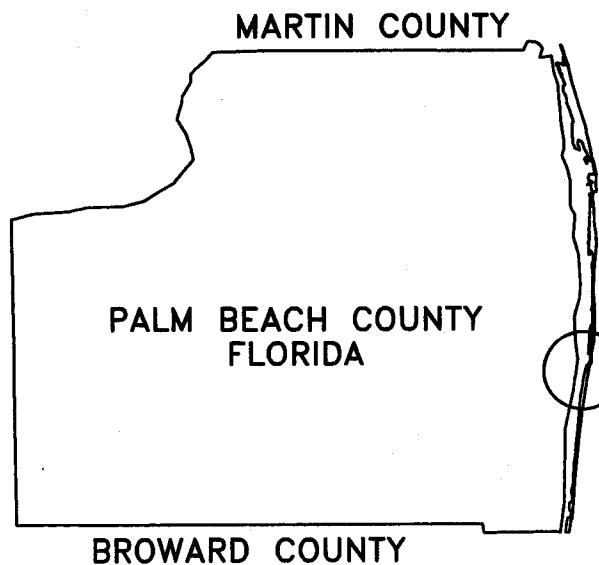
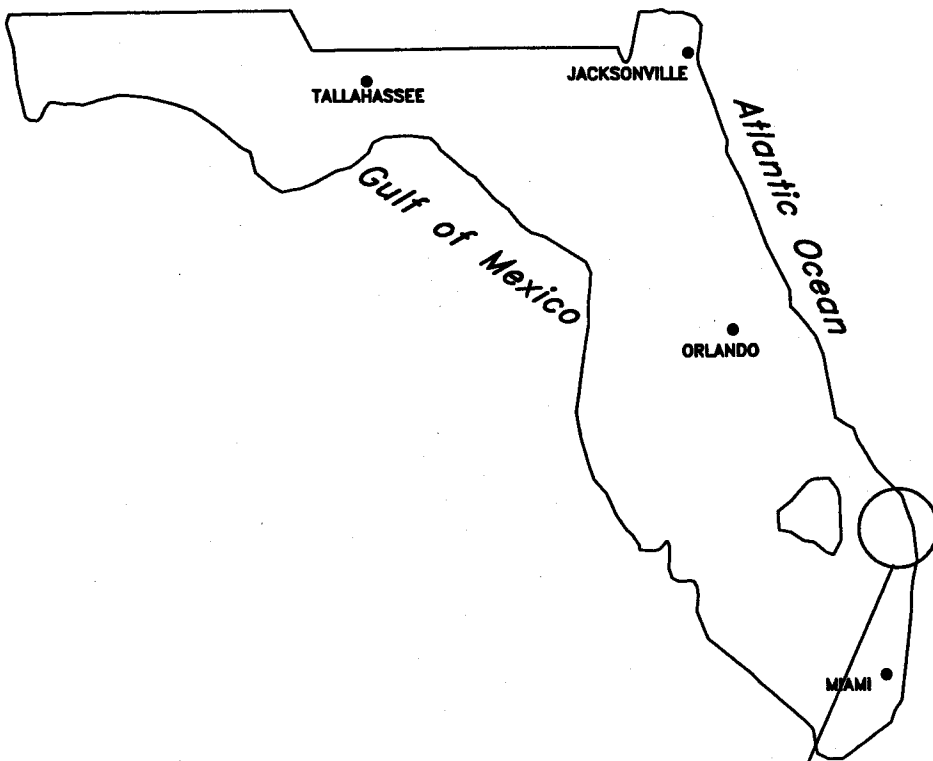
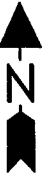
ID	Task Name	Duration	Start	Finish	% Complete	P
1	Funding	173.5 days	Wed 2/1/06	Mon 10/2/06	1%	
2	CP funding request	2.5 days	Wed 2/1/06	Fri 2/3/06	100%	
3	Admin review	8 mons	Fri 2/3/06	Fri 9/15/06	0%	2
4	BCC approval	11 days	Fri 9/15/06	Mon 10/2/06	0%	3
5	Design	160.65 days	Fri 4/28/06	Fri 12/8/06	95%	
6	Survey	73 days	Fri 4/28/06	Tue 8/8/06	100%	
7	task order	10 days	Fri 4/28/06	Thu 5/11/06	100%	
8	survey and volume calculations	63 days	Fri 5/12/06	Tue 8/8/06	100%	7
9	survey review	1 day	Tue 8/1/06	Tue 8/1/06	100%	8
10	Engineering	71 days	Thu 8/31/06	Fri 12/8/06	90%	
11	revise dredge template	34 days	Thu 8/31/06	Wed 10/18/06	95%	9
12	tech specs	37 days	Wed 10/18/06	Fri 12/8/06	85%	9
13	Interlocal Agreement	78 days	Mon 10/2/06	Wed 1/17/07	100%	
14	Write agreement	16 days	Mon 10/2/06	Mon 10/23/06	100%	
15	Asst co attorney approval	3 days	Tue 10/24/06	Thu 10/26/06	100%	1
16	Submit to City of Boynton for approval	18 days	Fri 10/27/06	Tue 11/21/06	100%	1
17	BCC Approval	30 days	Wed 11/29/06	Tue 1/9/07	100%	1
18	Executed original to City of Boynton	6 days	Wed 1/10/07	Wed 1/17/07	100%	1
19	DEP Notice to Proceed	81 days	Mon 3/12/07	Mon 7/2/07	5%	
20	Submittals to DEP	21 days	Mon 3/12/07	Mon 4/9/07	20%	
21	Notice to Proceed Issued by DEP	60 days	Tue 4/10/07	Mon 7/2/07	0%	2
22	Funding - FIND	178 days	Fri 3/2/07	Tue 11/6/07	14%	
23	Prepare and submit FIND application	19 days	Fri 3/2/07	Wed 3/28/07	99%	
24	Process resolution to BCC	24 days	Thu 3/29/07	Tue 5/1/07	25%	2
25	Grants awarded by FIND	105 days	Wed 5/2/07	Tue 9/25/07	0%	2
26	Process FIND grant contract thru BCC	30 days	Wed 9/26/07	Tue 11/6/07	0%	2
27	Construction Contract	92 days	Fri 6/15/07	Tue 10/23/07	0%	
28	ERM notify OSBA	0 days	Fri 6/15/07	Fri 6/15/07	0%	1
29	Prepare IFB	5 days	Fri 6/15/07	Fri 6/22/07	0%	1
30	Advertise for Bids	23 days	Fri 6/22/07	Wed 7/25/07	0%	2
31	Pre-bid Site Visit	0 days	Wed 7/4/07	Wed 7/4/07	0%	3
32	Mandatory Pre-bid Meeting	0 days	Wed 7/4/07	Wed 7/4/07	0%	3
33	IFB Quality Assurance	4 days	Wed 7/4/07	Tue 7/10/07	0%	3
34	Bid Opening	0 days	Wed 7/25/07	Wed 7/25/07	0%	3
35	ERM Bid Evaluation	5 days	Wed 7/25/07	Wed 8/1/07	0%	3
36	OSBA Bid Evaluation	14 days	Wed 8/1/07	Tue 8/21/07	0%	3
37	Intent Notice to Award & Send Contract	10 days	Wed 8/1/07	Wed 8/15/07	0%	3
38	Bid Posting	5 days	Wed 8/15/07	Wed 8/22/07	0%	3
39	Contractor Sign/Insurance/Bond	14 days	Wed 8/15/07	Tue 9/4/07	0%	3
40	Review Contract/Insurance/Bond	5 days	Tue 9/4/07	Tue 9/11/07	0%	3
41	Sign Contract (ERM to BCC)	30 days	Tue 9/11/07	Tue 10/23/07	0%	4
42	Pre-Construction Meeting	0 days	Tue 10/23/07	Tue 10/23/07	0%	4
43	Notice To Proceed	0 days	Tue 10/23/07	Tue 10/23/07	0%	4
44	Construction	38.55 days	Tue 10/30/07	Fri 12/21/07	0%	
45	mobilize	1 wk	Tue 10/30/07	Tue 11/6/07	0%	4
46	dredge	1.45 mons	Tue 11/6/07	Wed 12/12/07	0%	4
47	demobilize	1 wk	Mon 12/17/07	Fri 12/21/07	0%	4
48	Contract Close-Out	4 days	Wed 12/12/07	Tue 12/18/07	0%	
49	as-built review	3 days	Wed 12/12/07	Mon 12/17/07	0%	4
50	CRC approval	1 day	Mon 12/17/07	Tue 12/18/07	0%	4
51	Post-construction Monitoring	10 days	Mon 12/24/07	Fri 1/4/08	0%	
52	Monitoring report to Corps - Jax	10 days	Mon 12/24/07	Fri 1/4/08	0%	
53	Monitoring report to NMFS	10 days	Mon 12/24/07	Fri 1/4/08	0%	
54	Monitoring report to Corps - WPB	10 days	Mon 12/24/07	Fri 1/4/08	0%	
55	6-Month Monitoring	10 days	Thu 6/19/08	Wed 7/2/08	0%	4
56	Monitoring report to Corps - Jax	10 days	Thu 6/19/08	Wed 7/2/08	0%	
57	Monitoring report to NMFS	10 days	Thu 6/19/08	Wed 7/2/08	0%	
58	Monitoring report to Corps - WPB	10 days	Thu 6/19/08	Wed 7/2/08	0%	
59	12-Month Monitoring	10 days	Thu 12/18/08	Wed 12/31/08	0%	4
60	Monitoring report to Corps - Jax	10 days	Thu 12/18/08	Wed 12/31/08	0%	
61	Monitoring report to NMFS	10 days	Thu 12/18/08	Wed 12/31/08	0%	
62	Monitoring report to Corps - WPB	10 days	Thu 12/18/08	Wed 12/31/08	0%	
63	Quarterly Reports to DEP	263 days	Mon 1/21/08	Wed 1/21/09	0%	
64	4th Qtr 2007	1 day	Mon 1/21/08	Mon 1/21/08	0%	4
65	1st Qtr 2008	1 day	Mon 4/21/08	Mon 4/21/08	0%	6

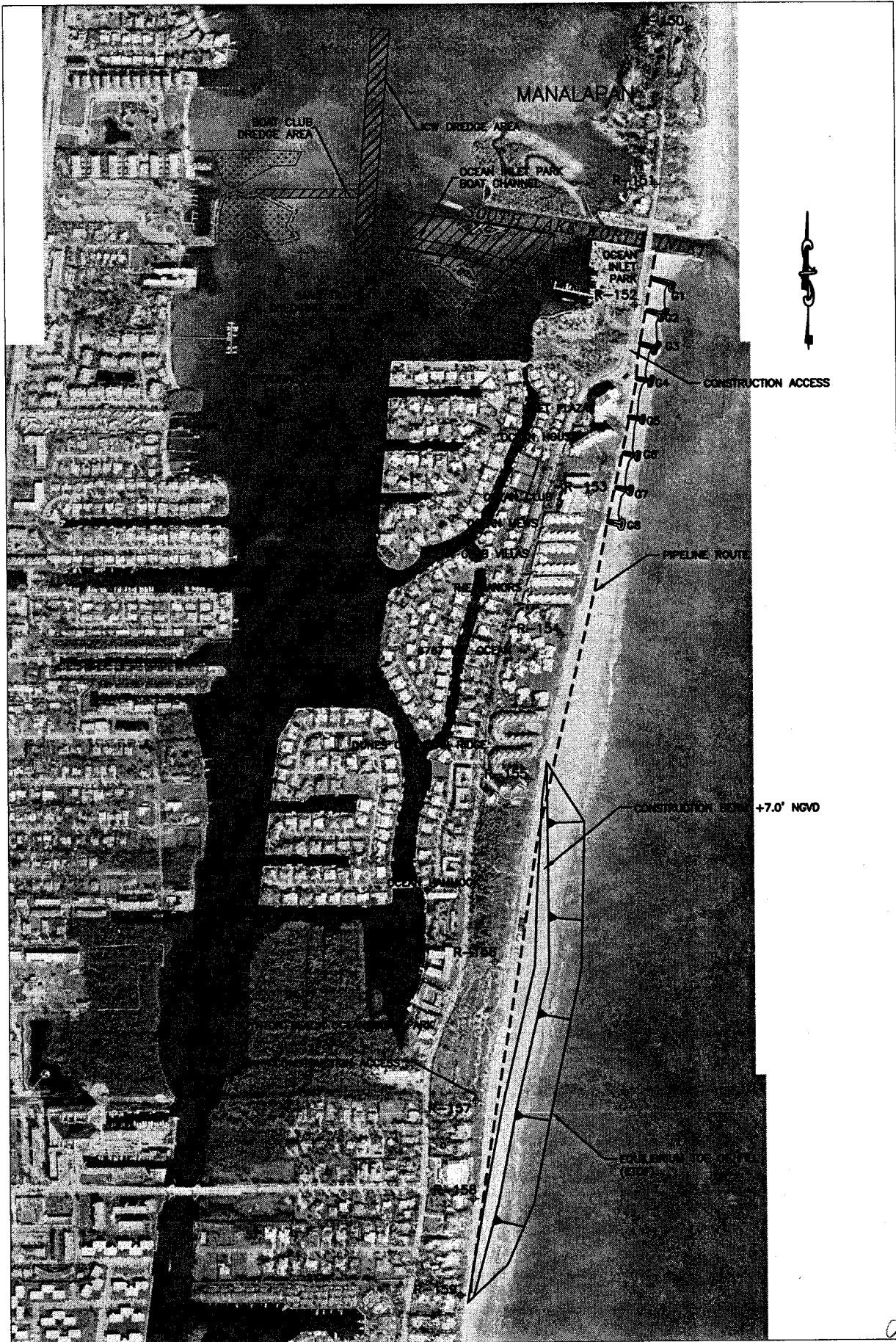
SLWI sand trap dredging

ID	Task Name	Duration	Start	Finish	% complet	P
66	2nd Qtr 2008	1 day	Mon 7/21/08	Mon 7/21/08	0%	6
67	3rd Qtr 2008	1 day	Mon 10/20/08	Mon 10/20/08	0%	6
68	4th Qtr 2008	1 day	Wed 1/21/09	Wed 1/21/09	0%	6
69	Quarterly Reports to FIND	1 day	Fri 4/25/08	Mon 4/28/08	0%	
70	1st Qtr 2008 and project completion report	1 day	Fri 4/25/08	Mon 4/28/08	0%	4

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SOUTH LAKE WORTH INLET LOCATION MAP





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Sheet: 1
Of: 1
FILE PROJECT NO. X

Project:
**2007 SOUTH LAKE WORTH INLET
MAINTENANCE DREDGING**
PROJECT BOUNDARY MAP

SEAL

Scale: AS SHOWN	No.:	Revised:	By:	Date:
Approved: TL				
Checked: JPC				
Drawn: TL				
Date: 3/10				
Field Book No.:	17			



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