

# **PRELIMINARY AGENDA**

## **FLORIDA INLAND NAVIGATION DISTRICT Board of Commissioners Meeting**

**9:00 a.m., Friday, December 09, 2022**

**Florida Inland Navigation District Office  
1314 Marcinski Road  
Jupiter, FL 33477-9427  
(Participation via Communications Media Technology [www.aicw.org](http://www.aicw.org))**

### **Item 1.      Call to Order.**

Chair Blow will call the meeting to order.

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### **Item 2.      Pledge of Allegiance.**

Commissioner Williams will lead the Pledge of Allegiance to the United States of America.

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### **Item 3.      Roll Call.**

Secretary Boehning will call the roll.

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### **Item 4.      Consent Agenda.**

The consent agenda items are presented for approval. Commissioners may remove any items from this agenda that they have questions on or would like the Board to discuss in depth. Any items removed would then be included in the regular agenda in an order assigned by the Chair.

- a) LagoonKeepers.org Small-Scale Derelict Vessel Removal Program Application, Palm Beach County, FL.

*(Please see back up pages 5-9)*

RECOMMEND:      Approval of the Consent Agenda.

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### **Item 5.      Additions or Deletions.**

Any additions or deletions to the meeting agenda will be announced.

RECOMMEND:      Approval of a Final Agenda.

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### **Item 6.      Public Comments.**

The public is invited to provide comments on issues that are NOT on today's agenda. All comments regarding a specific agenda item will be considered following Board discussion of that agenda item. *Please note: Individuals who have comments concerning a specific agenda item should fill out a speaker card and communicate with staff prior to that agenda item.*

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**Item 7. Board Meeting Minutes.**

The minutes of the November Board meetings will be presented for review and approval at the next Commissioner's Board meeting.

RECOMMEND: N/A

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**Item 8. Staff Report on Nassau County Area Status and Projects.**

Staff will present a report on the District's Nassau County area status and projects. *(Please see back up pages 10-19)*

RECOMMEND: *(This item is presented for Board review and discussion only.)*

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**Item 9. Comments and Project Status from the U.S. Army Corps of Engineers.**

Mr. Eduardo Marin of the U.S. Army Corps of Engineers (USACE) Intracoastal Waterway Project Management is scheduled to present an update on projects and activities.

*(Please see back up pages 20-33)*

RECOMMEND: *(This item is presented for Board review and discussion only.)*

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**Item 10. Scope of Services and Fee Proposal for Required Gopher Tortoise Mitigation, Dredged Material Management Area (DMMA) BV-4B, Brevard County, FL.**

In preparation for the upcoming construction of Dredged Material Management Area (DMMA) BV-4B, the District must relocate all gopher tortoises from the project area. In November of 2022, Staff contracted with Hobe Sound Environmental Consultants, Inc. (HSE) to conduct a 100% systematic survey to identify all gopher tortoises in the project area. The survey identified thirty-five (35) potentially occupied burrows. Per Florida Fish and Wildlife Conservation Commission (FWC) requirements, the District must relocate all gopher tortoises from the DMMA BV-4B project area prior to the commencement of construction. In addition, FWC's permitting requirements state that the District must assume, at a minimum, a 50% occupancy rate for the total number of potentially occupied burrows. Staff is recommending the reservation of a minimum of twenty (20) tortoise slots at a mitigation bank.

HSE has also identified Lykes Brothers Ranch as an FWC-certified Gopher Tortoise Mitigation Bank (GTMB) with available capacity for this effort, at the competitive rate of \$6,000.00 per adult gopher tortoise and no cost per juvenile gopher tortoise. HSE has provided a proposal to handle all aspects of the needed gopher tortoise relocation at DMMA BV-4B. This includes coordinating with FWC and securing a relocation permit, acting as the liaison between the District and the GTMB, capturing all gopher tortoises from the site, and delivering all of the captured gopher tortoises to the GTMB.

*(Please see back up page 34-67)*

RECOMMEND: Approval of a proposal from Hobe Sound Environmental Consultants, Inc. in the amount not to exceed \$155,385.00 to conduct the required gopher tortoise mitigation and inter-agency coordination at Dredged Material Management Area BV-4B, Brevard County, FL.

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**Item 11. Completion of the IWW Deepening Project in Broward County, FL.**

In April 2017, the successful bidder (Cashman Dredging, Inc.) completed the majority of the Broward Intracoastal Waterway (IWW) Deepening project for the Florida Inland Navigation District (District). The original project involved dredging the waterway from the 17<sup>th</sup> Street Bridge to the Las Olas Bridge from approximately minus ten (-10) feet to an effective depth of minus seventeen (-17) feet. The full project was not completed due to the necessity of avoiding two (2) small areas near the Swimming Hall of Fame and the Las Olas Bridge in relation to utility concerns.

Upon project completion, FPL & AT&T utility lines line remained within the dredging template. Eventually FPL removed their utility, but it took AT&T upwards of 7+ years to finally install a new utility line and decertify the existing communication line. During this time, Taylor Engineering and the District have maintained contact with the utility company, kept permits and engineering designs up to date, and communicated with the surrounding community to realize a possible opportunity to partner on a forthcoming dredging project. Project expenses for dredging projects in the Fort Lauderdale/Broward area are notably costly due in large part to the general lack of available material handling sites.

The District has a unique opportunity to piggy-back on a forthcoming dredging project at Las Olas (Suntex) Marina in the immediately vicinity of the remaining dredging needs. Cavache, Inc. will be performing a marina dredging project for Suntex at Los Olas Marina, and they have informed the District that they have the capability to complete the IWW project. In a separate project, Waste Management, Inc. will be hauling the dredge material from a temporary onsite facility at the marina. The District attorney has determined that the IWW project is NEW construction, and therefore, the funding available for the project is limited without a competitive public bid.

Staff is of the opinion that it is highly unlikely that another opportunity to complete the Broward IWW Deepening project will arise in the future, and most certainly not at this potential costs savings to the District. Approval of this item will allow staff and our attorney to craft agreements with both the dredger and the material hauler to complete the IWW work.

*(Please see back up page 68-75)*

RECOMMEND: Authorization for the Executive Director to negotiate and enter into sole source, non-bid contracts with Cavache, Inc. and Waste Management, Inc. for dredging and material hauling and disposal, respectively, in amounts not to exceed the maximum amount authorized under Chapter 255, F.S., Broward County, FL.

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**Item 12. Taylor Engineering Hourly Rate Adjustment.**

The District's agreement with Taylor Engineering allows for annual rate adjustments for the firm's services through mutual agreement. The District Engineer has submitted a request to revise the hourly rates that the firm charges for the various personnel that work on District projects. The firm has continued to remain responsive, timely and diligent while serving the District thoroughly. The new rate would be effective with the new calendar year.

*(Please see back up pages 76-80)*

RECOMMEND: Approval of the rate adjustment requested by Taylor Engineering for 2023.

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**Item 13. Finance and Budget Committee Report.**

The District's Finance and Budget Committee met prior to the Board meeting and will provide their recommendations concerning items on the Committee's agenda.

*(Please refer to the Finance and Budget Committee Agenda Package)*

RECOMMEND: Approval of the recommendations of the District's Finance and Budget Committee.

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**Item 14. Washington D.C. Report.**

The District's federal governmental relations firm has submitted status reports concerning activity pertaining to the District's federal issues.

*(Please see back up pages 81)*

RECOMMEND: *(This item is presented for Board review and discussion only.)*

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**Item 15. Additional Staff Comments and Additional Agenda Items.**

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**Item 16. Additional Commissioners Comments.**

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**Item 17. Adjournment.**

*If a person decides to appeal any decision made by the board, agency, or commission with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.*



# PRELIMINARY CONSENT AGENDA

## FLORIDA INLAND NAVIGATION DISTRICT Board of Commissioners Meeting

9:00 a.m., Friday, December 09, 2022

Florida Inland Navigation District Office  
1314 Marcinski Road  
Jupiter, FL 33477-9427  
(Participation via Communications Media Technology [www.aicw.org](http://www.aicw.org))

**Item a.**      **LagoonKeepers.org Small-Scale Derelict Vessel Removal Program  
Application, Palm Beach County, FL.**

The [LagoonKeepers.org](http://LagoonKeepers.org) has submitted a funding assistance request for the removal of two (2) derelict vessels located on the District's waterways within Palm Beach County. The total project costs are estimated to be \$20,900.00. Consistent with Rule 66B-2.015, Small-Scale Derelict Vessel Removal Projects, the project is eligible for up to 75% District funding reimbursement. LagoonKeepers.org is requesting \$15,675.00 (75%) District funding reimbursement

*(Please see back up pages 6-9)*

RECOMMEND:      Approval of LagoonKeepers.org request for up to \$15,675.00 cost-share funding through the District's Small-Scale Derelict Vessel Removal Projects program, Palm Beach County, FL.

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ATTACHMENT A  
**FLORIDA INLAND NAVIGATION DISTRICT**  
**SMALL-SCALE DERELICT VESSEL REMOVAL PROGRAM APPLICATION**

Applicant: LagoonKeepers.org

Project Title: Operation Clear Water

Contact Person: Gregory Reynolds

Title: Executive Director

Address: 901 West 15th Street

Riviera Beach, FL Zip Code: 33404

Telephone: 561-255-6974 Fax: 561-828-7700

Email: gregory@LagoonKeepers.org

Number of Vessels and waterway locations: two, ICW/ approx 200 yards north of Peanut Island  
ICW/ behind 3116 N Flagler Dr.  
(Please include pictures and map locations on a separate worksheet)

Vessel Distance from the Intracoastal Waterway 100 yards

Total Estimated Costs to removal all vessels: \$ 20,900.00 ; FIND Funding Requested: \$ 15,675.00  
% of total cost: 75 . Please complete and attach a cost estimate sheet (Form # 01-06) for each vessel to be removed, in addition to a contractor bid sheet)

Amount and Source of Applicants Matching Funds: \$ 5,225.00 Palm Beach County ERM

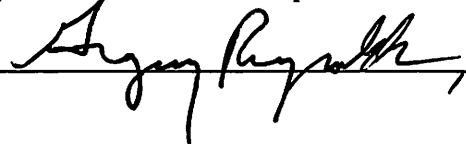
Other (non-FIND) Assistance applied for (name of program and amount) -

Have all vessels been identified by the Florida Fish & Wildlife Conservation Commission (FFWCC) (or other applicable marine law enforcement agency) as derelict? yes If not, explain: -

Have all necessary permits and or approvals been approved for the removal of the derelict vessels? yes

If not, please explain: -

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

SIGNATURE:  , Exec. Dir. DATE: 11-21-2022

## ATTACHMENT B

**FLORIDA INLAND NAVIGATION DISTRICT  
SMALL-SCALE DERELICT VESSEL REMOVAL PROGRAM APPLICATION**

**PROJECT COST ESTIMATE**

**(See Rule Sections 66B-2.005, 2.008 & 2.015 for eligibility and funding ratios)**

**APPLICANT:** LagoonKeepers.org

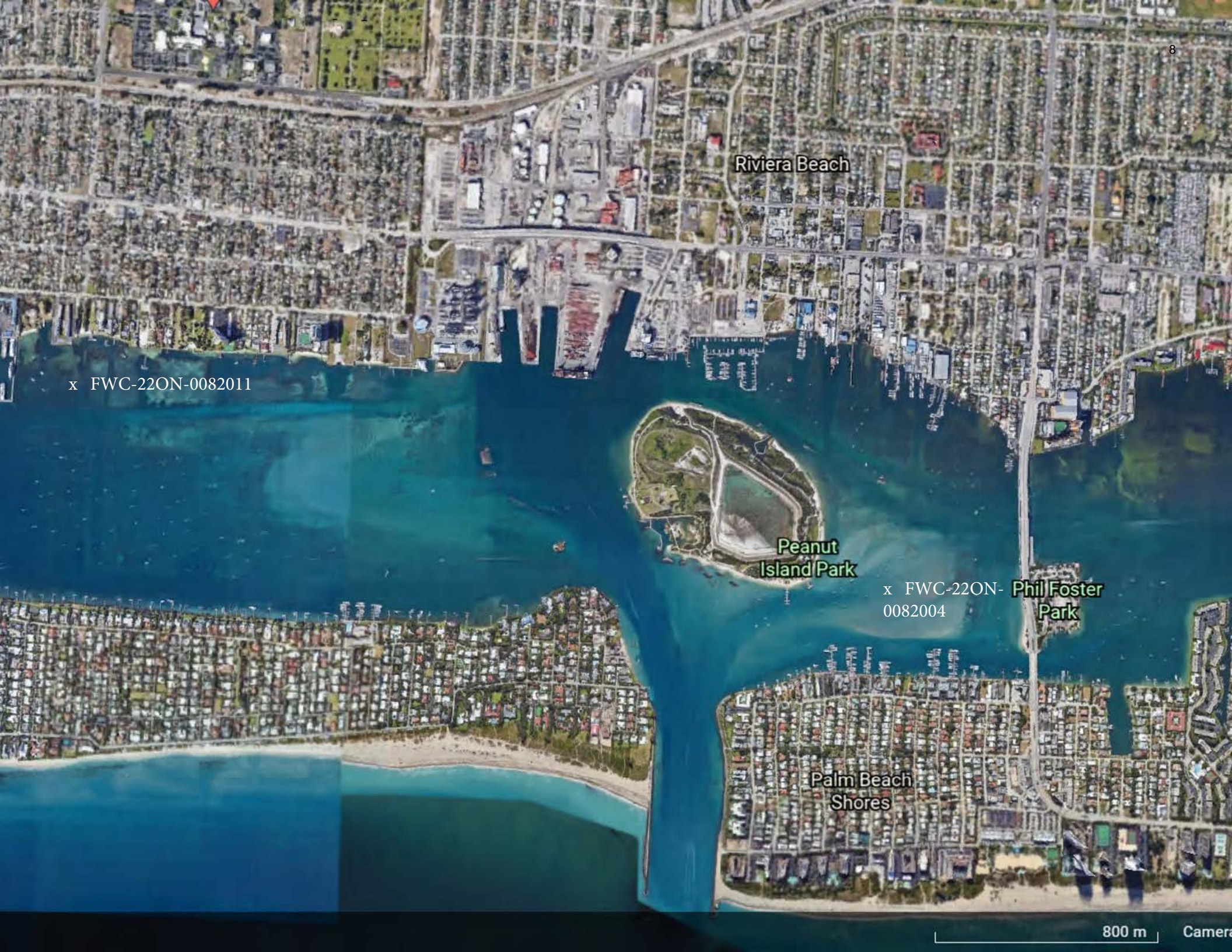
**PROJECT:** Operation Clear Water ICW / 200 yards north of Peanut Island FL 4478 RY

**VESSEL LOCATION AND IDENTIFICATION:** ICW / Behind 3116 N Flagler Dr. FL 7483 EP

<b>Project Elements</b> <i>(Please list the project cost elements and provide a general cost break out for each one.)</i>	<b>Quantity Estimated Cost</b> <i>(Number or cost per vessel )</i>	<b>Applicant's Cost</b>	<b>FIND Cost</b>
FL 4478 RY, 37' power boat; Raise, pump, tow, haul out, transport, remove all environmental sensitive materials, compete disposition of the vessel, prepared and transported to the landfill.	\$ 15,100.00	\$ 3,775.00	\$ 11,325.00
FL 7483 EP, 16' power boat; Raise, pump, tow, haul out, transport, remove all environmental sensitive materials, compete disposition of the vessel, prepared and transported to the landfill.	\$ 5,800.00	\$ 1,450.00	\$ 4,350.00

**\*\* TOTALS =**                      \$ 20,900.00                      \$ 5,225.00                      \$ 15,675.00





Riviera Beach

x FWC-22ON-0082011

Peanut  
Island Park

x FWC-22ON-  
0082004

Phil Foster  
Park

Palm Beach  
Shores





LagoonKeepers.org

"Keeping Our Waters Clean and Safe"

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## Derelict Vessel Removal Program Application

11-15-2022

APPLICANT: LagoonKeepers.org

VESSEL LOCATION: ICW /PBC

FWC22ON0082004

37ft powerboat

FL 4478 RY

Removal and disposition  
cost \$ 15,100.00

Remove the vessels, at the discretion of law enforcement prepare for transport including the removal and disposal of all environmentally sensitive fluids, oil, gas, diesel, batteries ect. then transport to waste to energy plant after removing all recyclable items.

FWC22ON0082011

16ft power sunk upside  
down

FL 7483 EP

Removal and disposition  
cost \$ 5,800.00

LagoonKeepers.org is requesting 25% of the removal and disposal of these vessels in the amount of \$ 5,225.00. Florida Inland Navigational District application for the 75% balance of \$15,675.00 will be submitted for the total cost of removal and disposal of \$ 20,900.00

*Submitted by*  
*Gregory Reynolds*  
*11-16-22*

TOTAL \$ 20,900.00

F.I.N.D. \$ -15,675.00

P.B.C. \$ 5,225.00

LagoonKeepers.org  
901 West 15th Street  
Riviera Beach, FL 33404  
561-255-6974

(LagoonKeepers.org is a registered D.B.A. of Lake Worth Lagoon Environmental Defense Fund, Inc., a 501c3 non-profit organization.)



## NASSAU COUNTY PROJECT STATUS UPDATE

December 2022

### **Atlantic Intracoastal Waterway (AIWW) Dredged Material Management Plan.**

The District completed Phase I of the Dredged Material Management Plan (DMMP) for the approximately 26 miles of Atlantic Intracoastal Waterway (AIWW) in Northeast Florida in 1986. Phase II of the DMMP was completed between 1986 and 2010. The plan was updated in 2007 in response to public and legislative concerns and the dredging reach boundaries were slightly adjusted. In 2014/15, the AIWW Centerline Survey identified an area between the authorized AIWW channel and the Fernandina Harbor project that was not being actively managed or maintained for navigation. The DMMP was again updated in 2015/16 in response to this additional area of dredging responsibility. There are three dredging reaches in the Nassau County project area, N-FHP, Reach I & Reach II. Over the next 50 years, approximately 853,600 cu/yds. of material will need to be dredged from the approximately 15.65 miles of AIWW in Nassau County to maintain navigability. The Plan designates that dredged material from Dredging Reach I, which is not beach quality, will be managed at Dredge Material Management Area (DMMA) NA-1 on Crane Island. Dredged material from Dredging Reach II, which is primarily beach quality, will continue to be placed on the Amelia Island State Park beach, with the exception of a small quantity of non-beach compatible material (usually about 13,000 cu/yds.) expected during each dredging event that is deposited into DMMA DU-2. *(Please see the attached location maps).*

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### **Dredged Material Management Area NA-1**

The design, engineering, and permitting of this 35.5-acre upland dredged material management site was initiated in 2008 and completed in 2010. The final permits were received in 2012. Construction of the site commenced in 2013 and was completed in early 2014. The unique nature of this site required the dike material to “settle” before the site could become fully operational. The dike settling was completed, and the site was utilized for the deposition of material from the Nassau Reach 1 dredging project in late 2017. Note that in 2018, a company successfully offloaded approximately 50,000 cu/yards of material from DMMA NA-1 at no cost to the District. In 2019, the City of Fernandina Beach utilized the site for temporary storage of maintenance material from a City Marina dredging project.

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### **Waterway Dredging**

The AIWW in Dredging Reach II (Sawpit) has a mean dredging frequency of approximately 6 years. This Reach was dredged between in 2006 to 2007, in 2013, and again in 2018/19. The U.S. Army Corps of Engineers (USACE) completed all the referenced dredging operations, with approximately 578,000 cu/yds and 591,000 cu/yds (respectively) of beach compatible material in this area being placed on the Amelia Island State Park beach for each event. Another approximately 12,000 cu/yds of non-beach compatible material were placed in DMMA DU-2 for each event. In 2006, FIND provided \$4.3 million in funding for the dredging project, of which the USACE returned \$1.4 million. In 2013, the entire \$4.2 million project was funded by the District.



## NASSAU COUNTY PROJECT STATUS UPDATE

December 2022

Dredging Reach I was experiencing shoaling just south of the Shave Bridge and at other locations and was subsequently dredged in late 2017. In addition, there was an area of concern south of the Fernandina Beach Marina that was addressed through the District's efforts. In total, approximately 197,000 cubic yards of material was dredged and placed in DMMA NA-1, with a small amount of dredged material placed in DMMA DU-2. Efforts have also been successful at re-marking the channel for naturally occurring deep water.

In 2022, the U.S. Army Corps of Engineers (USAC) accepted the recommendations of a Taylor Engineering inlet management analysis to expand the dredging template at Sawpit (Nassau Sound). This advanced maintenance project will reduce future dredging frequency and costs. *(Please see the attached maps).*

### Waterways Economic Study

In July 2019, Balmoral Group provided the latest update to the *Economic Benefits of the Waterways in Nassau County*. Balmoral is again updating their analysis and will supply the preliminary conclusions later this year. The 2019 update (to the original 2011 study) determined that the waterways in Nassau County generate approximately \$133 million in economic activity each year, including almost 1,339 jobs and \$68.4 million in annual tourist revenue. There is an estimated increase in property values of approximately \$463 million from properties located on or near the AIWW. *(Please see the attached summary).*

### Waterways Assistance Program

Since Nassau County joined the District in 2004, the District has received and approved 25 applications from the City of Fernandina Beach and Nassau County resulting in a District investment of \$2.4 M towards \$5.1 M of total waterway improvement projects. The City has made significant improvements to their City marina and boat ramp, the development of a Riverfront Boardwalk, and the creation of a managed mooring field. *(Please see the attached list and map).*

### Cooperative Assistance Program

The City of Fernandina Beach has successfully participated in the Florida Department of Environmental Protection's (FDEP) Clean Marina Program and the Amelia Island Yacht Basin has participated in the Clean Vessel Program.

### Interlocal Agreement Program

Through this program, the District entered into an Interlocal Agreement with the City of Fernandina Beach to manage dredged material from the City marina at a District dredged material management area in Nassau county.



## NASSAU COUNTY PROJECT STATUS UPDATE

December 2022

### **Waterway Clean Up Program**

The District has successfully partnered with Keep Nassau Beautiful for many years to assist with their annual trash and debris cleanup of Nassau County's waterways.

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### **Small-Scale Derelict Vessel Removal Program**

Vessels have yet to be removed in Nassau County under this program.

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### **Small-Scale Spoil Island Enhancement and Restoration Program**

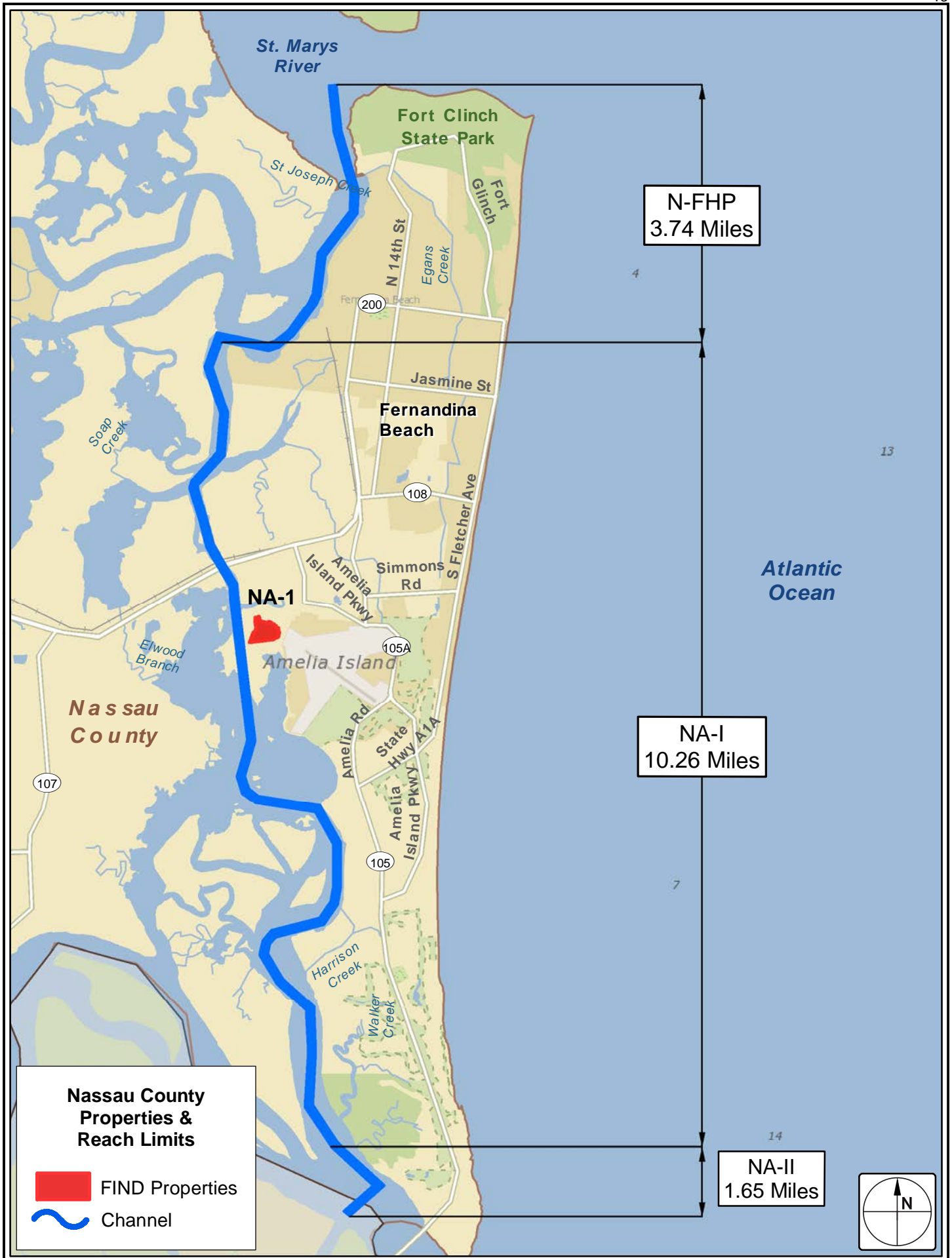
To date, no small-scale spoil island projects have been funded in Nassau County.

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### **Public Information Program**

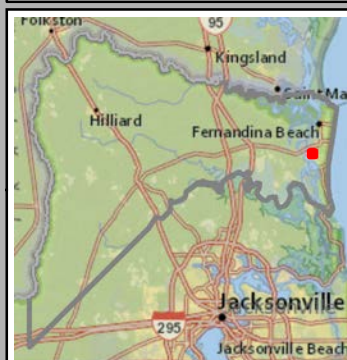
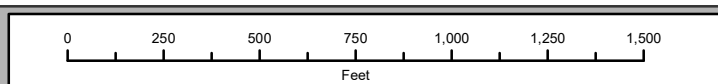
The District currently prints and distributes brochures with information pertaining to about Nassau County Waterways. Additional waterway information and useful links are available on the District's website at <http://www.aicw.org/>.







Site	NA-1
Common Name	Crane Island (S/A 43 – 44)
County/City	Nassau/Unincorporated
Geographic Proximity	Fernandina Harbor Project to Nassau Sound
Acquisition Dates	3/28/1988
Status	Constructed
Year Constructed	2013
Reach/Cuts	NA-1 / 27G to 27K, 27Q to 28
Site Acres	35.5
Basin Acres	16.1
Design Capacity (cy)	187,672



#### Legend

- Site
- Easement (if shown)
- Reaches (if shown)
- Cuts (if shown)





# Economic Benefits of the District Waterways

## NASSAU COUNTY



## TOTAL ANNUAL ECONOMIC IMPACT

Annual value created by the ICW and ICW activities

### \$133 MILLION

\$68.4 Million<sup>1</sup>

Generated annually by **tourism spending** from **80,470** tourists



\$36 Million<sup>2</sup>

Generated annually by local **boater spending** from Nassau County registered vessels



\$29.5 Million<sup>3</sup>

Portion of annual **property sales value** attributable to ICW proximity.



Prominent businesses are located along the Intracoastal Waterway in Nassau County and benefit from their location including several paper and pulp product manufacturers as well as the Port of Fernandina.

The Intracoastal Waterway (Marine I-95) currently supports **1,339 jobs** in Nassau County.

## FIND INVESTMENT

In the ICW of **\$64,145**<sup>4</sup> annually avoids lost revenue of **\$32 Million** and **422** lost jobs.



## ADDITIONAL TAX BENEFITS



Federal Tax Revenue

**\$9.5 Million**



State and Local Tax Revenue

**\$9.1 Million**

**Registered Vessels Utilizing the ICW:**  
**5,203**<sup>5</sup>



⇒ Pleasure Boating: 2,001



⇒ Fishing: 2,535



⇒ Sailing and other activities: 533



⇒ Watersports: 133

<sup>1</sup> Includes both in-state and out-of-state tourists. Out-of-state tourist number based on a national survey; respondents who reported ICW in Nassau County as a primary activity. In-state tourists reported visiting from outside St. Johns County; based on survey results, respondents who reported ICW in Nassau County as a primary activity

<sup>2</sup> Based on survey of locally registered boaters, adjusted for boaters spending 3 or more days on the ICW

<sup>3</sup> Based on hedonic modelling of premium associated with frontage or proximity to ICW; Nassau property values total about \$10.6 billion  
Details for all calculations can be found in Final Report.

<sup>4</sup> The average annual investment from FIND to dredging projects. Does not reflect the total average annual cost of dredging projects.

<sup>5</sup> Based on actual 2017 registration data and survey results. This number is an estimate of the number of registered vessels that utilize the ICW annually.  
The total number of vessels registered in Nassau County as of March 2019 is 5,508.

# Economic Benefits of the District Waterways

## NASSAU COUNTY



Within Nassau County, The Florida Inland Navigation District (District) is the state sponsor for Federal navigation projects along the Intracoastal Waterway (ICW). Nearly \$3.5 million has been invested in the Nassau portion of the ICW in the past 10 years. These investments and the ICW itself generate significant economic impact throughout the twelve-county region and beyond.

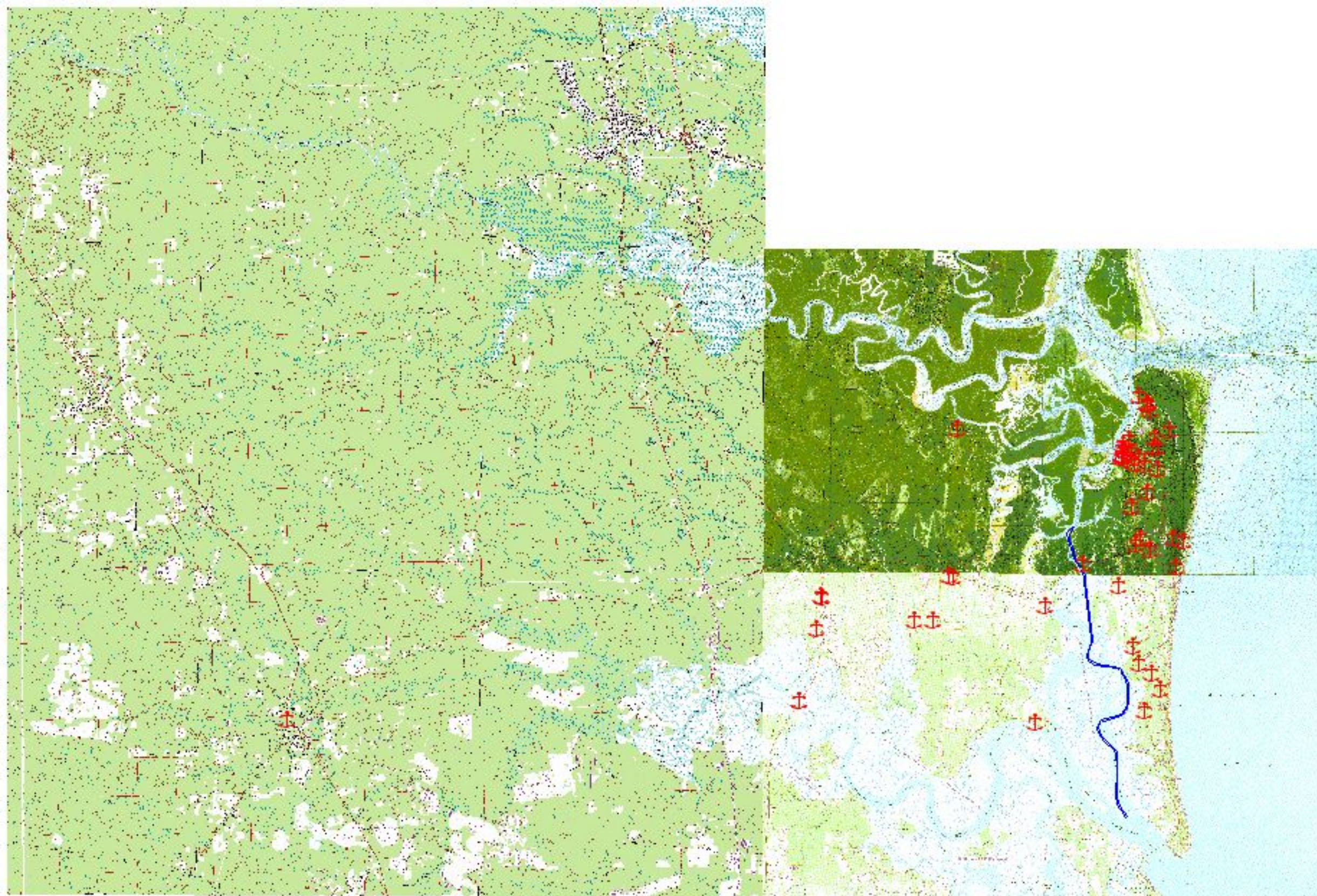
Different modeling techniques were used to estimate the value created by the ICW. To find the share of property value that is attributable solely to the proximity to the ICW, hedonic modeling was used. Hedonic modeling for Nassau County showed that proximity to the Intracoastal Waterway adds value to homes within 1500m of the ICW. In total, the ICW makes up about \$463 million, or 4%, of the \$10.6 billion in Nassau County property values. Annualized, the ICW makes up about \$27.8 million in actual sales value yearly.

### Portion of Property Value Attributable to ICW Proximity

Property Type	% of sales value attributable to proximity to ICW	Sales value attributable to ICW—all properties
Waterfront	57%	\$117 million
Canal/River Access to ICW (Single family only)	13%	\$17 million
Non waterfront - 500m from ICW	25% - 21%	\$143 million
500m - 1500m from ICW	17% - 12%	\$186 million

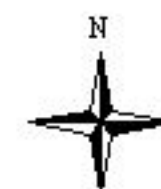
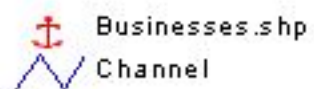






LOCATION MAP

NASSAU COUNTY  
WATERWAY RELATED BUSINESSES





**FLORIDA INLAND NAVIGATION DISTRICT  
WATERWAYS ASSISTANCE PROGRAM PROJECTS  
IN NASSAU COUNTY**

<b>Project Name</b>	<b>Project Number</b>	<b>Project Sponsor</b>	<b>Grant Amount</b>	<b>Total Cost</b>
Wilson Neck Boat Ramp	NA-08-07	Nassau County	\$50,465	\$138,640
Mooring Field	NA-FB-05-01	City Of Fernandina Beach	\$12,500	\$25,000
Riverfront Boardwalk	NA-FB-05-02	City Of Fernandina Beach	\$112,500	\$225,000
Docks E, F & G Rehabilitation/ Replacement - Phase I	NA-FB-06-03	City Of Fernandina Beach	\$25,000	\$50,000
Mooring Field - Phase I I	NA-FB-06-04	City Of Fernandina Beach	\$62,500	\$125,000
Docks E, F & G Rehabilitation - Phase I I	NA-FB-07-05	City Of Fernandina Beach	\$221,860	\$443,720
Docks E, F, & G Rehabilitation, Phase I I, Part B	NA-FB-08-06	City Of Fernandina Beach	\$168,000	\$336,000
Fernandina Beach Boat Ramp Construction ( Withdrawn)	NA-FB-09-08	City Of Fernandina Beach	\$100,000	\$200,000
Fernandina Beach Harbor Marine Basin Dredging- Ph A	NA-FB-11-09	City Of Fernandina Beach	\$174,735	\$434,848
Fernandina Beach Harbor Marine Basin Dredging- Ph B	NA-FB-12-10	City Of Fernandina Beach	\$162,215	\$342,215
Breakwater Dock Improvements	NA-FB-13-11	City of Fernandina Beach	\$81,000	\$163,000
Marina Public Boat Ramp Dredging	NA-FB-14-12	City of Fernandina Beach	\$144,450	\$288,900
Marina Welcome Center Deck	NA-FB-14-13	City of Fernandina Beach	\$20,275	\$40,550
Mooring Field Improvements Ph I	NA-FB-14-14	City of Fernandina Beach	\$7,774	\$15,547
Dock 6 Fire Safety Enhancement	NA-FB-15-15	City of Fernandina Beach	\$5,000	\$10,000
Managed Moorind Field Phase IA	NA-FB-15-16	City of Fernandina Beach	\$74,350	\$148,700
Breakwater Dock Safety Phase II	NA-FB-15-17	City of Fernandina Beach	\$89,306	\$190,000
Marina Basin Maintenance Dredging	NA-FB-16-18	City of Fernandina Beach	\$151,650	\$303,300
Southern Basin Dock Realignment Phase I	NA-FB-16-19	City of Fernandina Beach	\$24,739	\$150,000
Southern Basin Dock Realignment, PH IB	NA-FB-17-20	City of Fernandina Beach	\$75,000	\$150,000
Fernandina Beach Marina Maintenance Dredge Ph II	NA-FB-18-21	City of Fernandina Beach	\$175,000	\$350,000
Marina Boardwalk Installation Project Phase II	NA-FB-20-23	City of Fernandina Beach	\$250,000	\$500,000
Marina Mooring Ball Install & Marina Dredging Project	NA-FB-21-24	City of Fernandina Beach	\$250,000	\$500,000

**TOTALS:           \$2,438,319           \$5,130,420**





**US Army Corps  
of Engineers®**  
Jacksonville District

# IWW STATUS UPDATE FIND Board of Commissioners Meeting December 9, 2022



## **1. WORK ACTIVITY: DMMA O-23 (Martin County)**

**CONTRACT AMOUNT:** \$4,174,500.00

**DESCRIPTION OF WORK:** Development of Plans and Specifications and Construction of DMMA O-23. DMMA will utilize the same weir system as O-7 and will have a 240k cy capacity. 100% of the funds for construction will be contributed funds from FIND.

### **SCHEDULE:**

- |                               |                                    |
|-------------------------------|------------------------------------|
| • Complete draft P&S          | 9 April 2020A                      |
| • NEPA/ERP complete           | 20 April 2021A                     |
| • BCOE Certification complete | 20 April 2021A                     |
| • Re Advertised               | 20 July 2021 A                     |
| • Open Bids                   | 19 Aug 2021A                       |
| • Award                       | 17 Sept 2021A                      |
| • Construction Complete       | <del>17 DEC 2022</del> 15 Jan 2023 |

**FIND WORK ORDER:** FIND work order for construction was approved at the Sept 2020 FIND Board meeting.

**NAME OF CONTRACTOR:** Contract was awarded on 17 Sept 2021 to Dickerson Florida, Inc out of Fort Pierce, Fl in the amount of \$4,173,500.00.

**STATUS:** Clearing and grubbing has been completed. Work on the dike lifts is at approximately 60%, demolition of existing structures is at approximately 98%, and earthwork for pond 4 is complete while pond 3 is 50% complete. Issued two contract modifications to relocate a fence and to adjust structures within the Martin Business Park ponds. Real estate certification at the Business Park has been extended through 30 JUN 2023 to ensure key activities (business Park and Pond 4) can complete without interruption.

**ACTION:** Information Only. No action by the Board is required.





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## DMMA O23 Progress Photos:





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## **2. WORK ACTIVITY: IWW Palm Valley North Reach (St. Johns County)**

**CONTRACT AMOUNT:** \$7,809,245.00

**DESCRIPTION OF WORK:** Maintenance dredging of the IWW Palm Valley North Reach in St. Johns County. There is approximately 640k cy of material within the reach. Dredge material will be placed in DMMA DU-9.

### **SCHEDULE:**

- |                      |                 |
|----------------------|-----------------|
| • Complete draft P&S | 1 June 2021A    |
| • Advertise          | 16 June 2021A   |
| • Receive Bids       | 23 July 2021A   |
| • Award              | 20 August 2021A |
| • Dredging complete  | 30 Sept 2022A   |

**FIND WORK ORDER:** FIND work order was approved at the May 2021 Board meeting and funds have been received. The project is a combination of Federal and FIND funds.

**NAME OF CONTRACTOR:** Contract was awarded to Ahtna Marine & Construction Company, out of Pompano Beach, FL in the amount of \$7,809,245.00.

**STATUS:** Maintenance dredging is complete. Contractor removed approximately 640,000 CY of material from the channel and demobilized all equipment. Government sent letter of accepting all work to the contractor on 15 Nov 22. Working on final payments.

**ACTION:** Informational, no action is required by the Board.





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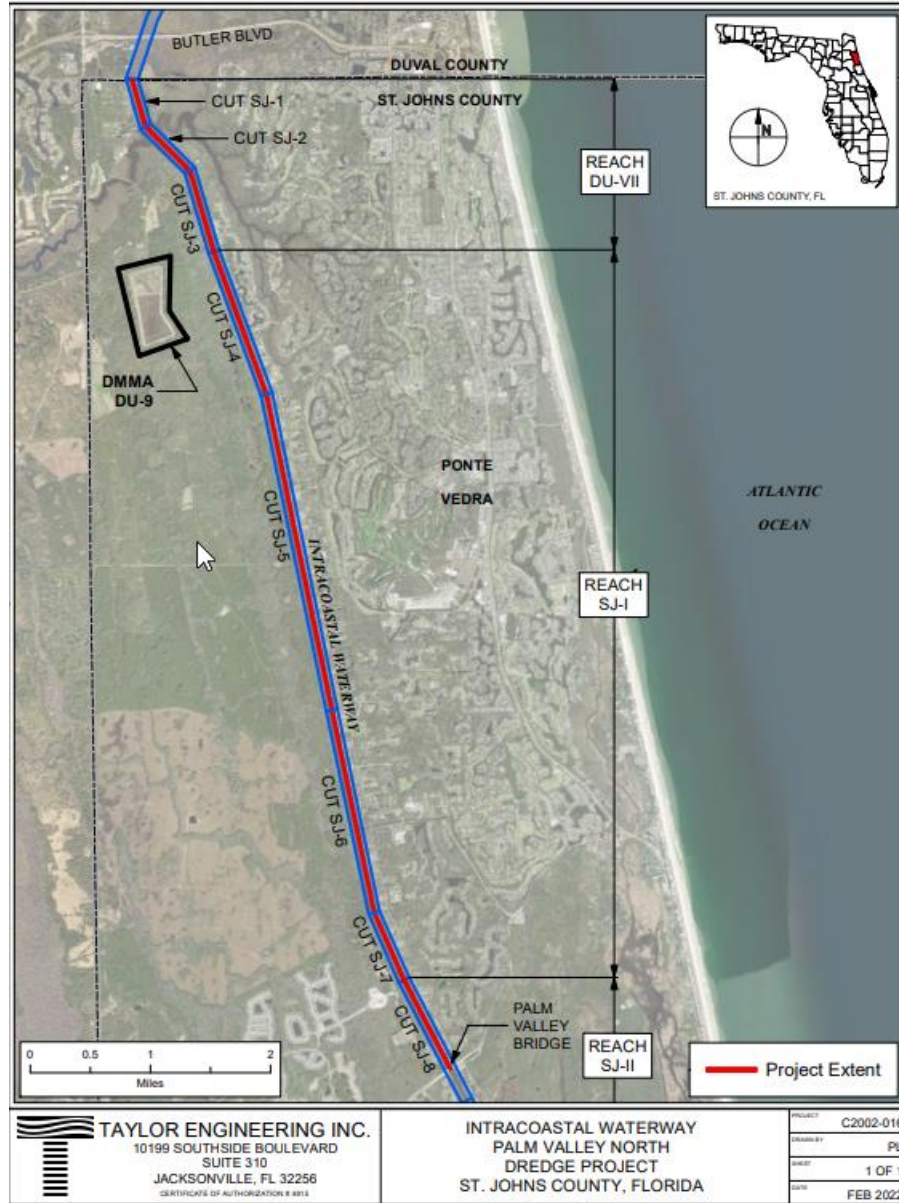
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### **3. WORK ACTIVITY: IWW Palm Valley South Reach (St. Johns County)**

**CONTRACT AMOUNT:** TBD

**DESCRIPTION OF WORK:** Maintenance dredging of the IWW Palm Valley South Reach in St. Johns County. There is approximately 250k cy of material within the reach. Dredge material will be placed in DMMA SJ-14.

#### **SCHEDULE (DRAFT):**

- |                               |                                 |
|-------------------------------|---------------------------------|
| • Complete draft P&S          | 31 March 2022A                  |
| • BCOE Certification complete | <del>30 Sep 22</del> 02 Dec 22  |
| • Advertise                   | 22 Jul 22                       |
| • Bid Opening                 | <del>30 Sep 22</del> 13 Dec 22  |
| • Award                       | <del>2 March 23</del> 16 Jan 23 |

**FIND WORK ORDER:** FIND work order was approved at the May 2022 Board meeting and funds have been received. The project is a combination of Federal and FIND funds.

**NAME OF CONTRACTOR:** TBD

**STATUS:** P&S kicked off for Palm Valley South Reach on 10 Nov 2021. Based on the last survey, there appears to be approximately 210k cy of material located within the waterway (12'+2). The dredge area will begin at the Palm Valley Bridge (SJ8) and continue south to the St. Augustine Reach (SJ15) with placement in SJ-14, located in St. Johns County in Nocatee adjacent to Davis Park. FIND has a contract to offload SJ14 and also perform weir repairs with work being completed prior to a USACE contract award in September. The contract went out for bid on 22 Jul 2022 but bid opening has been delayed allowing time for pipeline repairs at DMMA SJ-14.

Issues have led to the proposed schedule slip to the right:

- a. Pipeline Repair at SJ14: The buried outfall pipeline inspection at DMMA SJ-14 found an anomaly in the pipe that requires repair before the project can proceed. FIND received a repair proposal that exceeds the boards 'approval amount. FIND board approval the increase on 18 November and USACE is proceeding with bid opening on 13 December.

**ACTION:** Information only. No action required by the board.





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## **4. WORK ACTIVITY: IWW Volusia (Volusia County)**

**CONTRACT AMOUNT:** TBD

**DESCRIPTION OF WORK:** Maintenance dredging of the IWW Volusia Reach. Anticipate 300k-400k cy of material to be dredged out of the federal channel. Dredge material will be placed in the nearshore disposal area located north of the Ponce Inlet. This effort will be consolidated with Ponce Inlet O&M dredging as was done in the 2017/2018 event.

### **SCHEDULE (DRAFT):**

- |                      |            |
|----------------------|------------|
| • P&S Kick off       | 27 Apr 22A |
| • BCOE Certification | 15 Feb 23  |
| • Advertise          | 15 Mar 23  |
| • Award              | 09 May 23  |
| • NTP                | 30 May 23  |

**FIND WORK ORDER:** TBD. PM has coordinated with FIND staff regarding consolidating with the Ponce Inlet O&M event. By doing this we will save significant funding associated with mobilization. Anticipate a work order to the Board in Dec 22.

**STATUS:** P&S kicked off on 27 Apr 22. Efforts are underway to modify the existing Ponce Inlet O&M dredging permit to add dredging of the IWW. Received the draft FDEP permit modification on 28 November 2022. The team is currently reviewing to provide comments and send back to FDEP on 1 December. Scope has expanded to include dredging additional cuts V-36 to V-40 which accounts for additional 144k cy. Team is collecting additional borings for the expanded area. Placement will be in the nearshore disposal area located south of Ponce Inlet. In addition to Ponce Inlet, there will also be a small component for the Coast Guard included within the procurement.

**ACTION:** Informational, no action is required by the Board.





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## **5. WORK ACTIVITY: AIWW Sawpit Reach (Nassau County)**

**CONTRACT AMOUNT:** TBD

**DESCRIPTION OF WORK:** USACE received \$5M in infrastructure funding for the AIWW Sawpit. Project will include maintenance dredging of the AIWW Sawpit Reach in Nassau County. We anticipate 400k-600k cy of material within the federal channel. 95% of the material will be placed on the beach at the State Park, with the remaining 5% being placed upland in DU-2.

### **SCHEDULE (DRAFT):**

- |                      |            |
|----------------------|------------|
| • Kick off P&S       | 26 Apr 22A |
| • BCOE Certification | 30 Jun 23  |
| • Advertise          | 18 Jul 23  |
| • Award              | 25 Sep 23  |

**FIND WORK ORDER:** TBD – anticipate a combination of Fed funding and FIND contributed funds depending on the size of the contract. If required a work order will be presented to the Board in Oct 22.

**NAME OF CONTRACTOR:** TBD

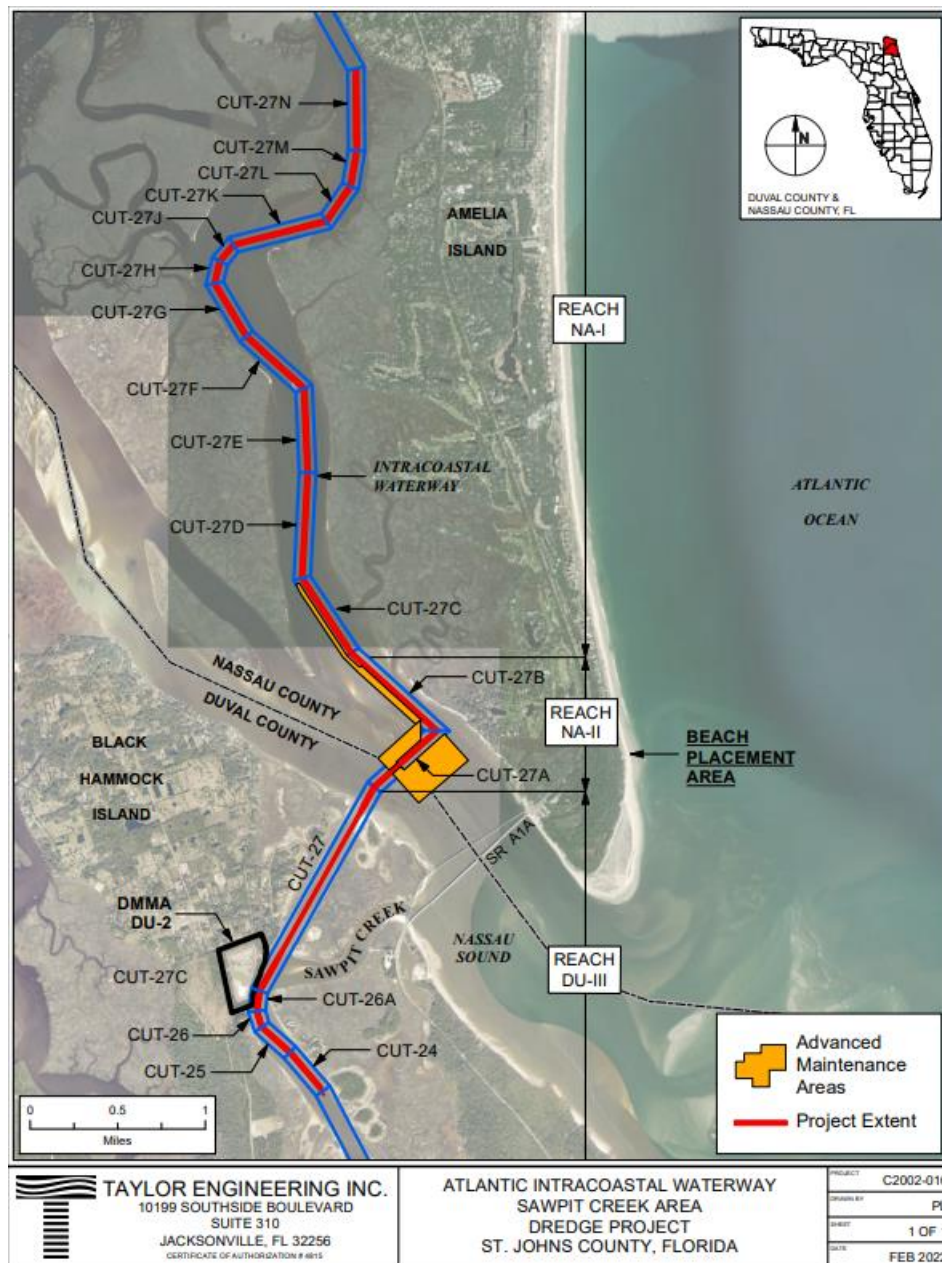
**STATUS:** P&S kicked off on 26 Apr 22 but were paused for SAJ to accelerate the P&S for Fernandina Harbor to address critical shoaling and draft restrictions there. Real Estate has begun coordination with FDEP Parks regarding the Use Agreement between FIND, USACE and the State Park for placement on their beach. Contract will include the Sawpit Reach and ALSO the new advanced maintenance area. The advanced maintenance request was approved by SAD on 9 Aug 22. This advance maintenance will become part of the “normal” dredging area for Sawpit. Engineering is currently coordinating with Olsen Engineering on their post construction survey of the beach to verify there is capacity at the beach placement area since Nassau County recently completed a project using the same disposal. USACE sent DEP permit renewal on 4 November 22.

**ACTION:** Informational, no action is required by the Board.



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### 6. MISCELLANEOUS:

A. Establish FIND as the local sponsor for Martin and Palm Beach Counties along the OWW.

USACE OC has met with SFWMD OC regarding the path forward to make FIND the local sponsor for Martin and Palm Beach Counties along the OWW.

Background: In 2005 Florida legislature amended Section 374.984, Florida Statutes to assign responsibility and authority to FIND for the portion of the OWW located in Martin and Palm Beach Counties (link to the full statute:)

[http://www.leg.state.fl.us/statutes/index.cfm?App\\_mode=Display\\_Statute&Search\\_String=&URL=0300-0399/0374/Sections/0374.984.html](http://www.leg.state.fl.us/statutes/index.cfm?App_mode=Display_Statute&Search_String=&URL=0300-0399/0374/Sections/0374.984.html).

Section 374.984 falls under Part II of Chapter 374, where Part II is “Florida Inland Navigation District Law”. Paragraph 6.h. of Section 374.984 states, “(h) The district is designated the local interest sponsor for the sole purpose of maintaining navigability of that portion of the Okeechobee Waterway located in Martin and Palm Beach Counties.”

Next step:

1. SFWMD will submit a letter to SAJ recognizing the Florida law that designates FIND as responsible for maintaining navigability of that portion of the OWW and requesting the termination of its responsibilities as non-federal sponsor (NFS) of the portion, with a copy furnished to FIND. - **DONE**

2. In parallel with SFWMD’s letter, FIND will submit a letter to SAJ requesting to be the NFS for the portion of the OWW within Martin and Palm Beach Counties, with a copy furnished to the SFWMD. - **DONE**

3. SAJ will draft an agreement for FIND to assume O&M responsibilities for the portion of the OWW within Martin and Palm Beach Counties. – **ONGOING**

-SAJ can prioritize executing a Contributed Funds Agreement (CFA) while drafting the Project Partnership Agreement (PPA). FIND as requested to prioritize the CFA. – **ONGOING.**

4. After execution of the PPA, SAJ will send a letter to SFWMD acknowledging the termination of its role as a NFS for the specified portion of the OWW and clarifying the SFWMD’s continued role as NFS for the remaining portion of the OWW, with a copy furnished to FIND.

5. The next item needed is a contributed funds agreement for the OWW. The contributed funds agreement unfortunately will not be of the magnitude of the IWW/AIWW one in that the new model only allows for a smaller duration and funding limit. For example, effort should be made for the maximum agreement duration, likely a 7-10 year contributed funds agreement with specific



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areas outlined (as compared to the existing IWW/AIWW agreement that is a 50-year agreement with no maximum contribution or specific reaches listed).

**B. Upcoming efforts:**

- a. IWW Matanzas: plan is to move forward with P&S and procurement in January of 2023. with FY23 PBud funding. FDEP permit is valid as well as all environmental investigations and geotechnical investigations. Extensive coordination will be needed between the USACE and the County given the conditions at Summerhaven.



**HOBE SOUND**  
**ENVIRONMENTAL CONSULTANTS, INC.**  
**9512 S.E. DUNCAN STREET**  
**HOBE SOUND, FLORIDA 33455**  
**PHONE: (772) 545-3676 CELL (772) 260-0857**  
**E-MAIL: [bobhsenv@gmail.com](mailto:bobhsenv@gmail.com)**

21 November 2022

Ian Eyeington  
 Project Manager  
 Florida Inland Navigation District  
 1314 Marcinski Road  
 Jupiter, FL 33477

Via E-mail: [ieyeington@aicw.org](mailto:ieyeington@aicw.org)

Ref: Gopher Tortoise (*Gopherus polyphemus*) Survey for BV - 4b (Mims, Brevard County, Florida)

Dear Mr. Eyeington:

Hobe Sound Environmental Consultants, Inc. (HSE) was retained by Florida Inland Navigation District to conduct a gopher tortoise (*Gopherus polyphemus*) 100% burrow survey at the above-referenced project site. The surveyed area consisted of approximately 101.06 ± acres, located south of Cuyler St, west of Hammock Rd., north of Parrish Rd, and east of US 1. Project coordinates are: Latitude: 28°39'33.272" and Longitude: -80°49'58.658" in Sections 20 & 21, Township 21S, Range 35S, Brevard County, Florida. The property control numbers (PCN) are 21-35-20-00-4, 21-35-20-00-49, 21-35-20-00-3, 21-35-20-00-31, 21-35-20-00-2, 21-35-20-00-1, 21-35-21-00-253, 21-35-21-00-252, 21-35-21-00-260, 21-35-21-00-297, 21-35-21-00-261, 21-35-21-00-251 ( **Figures 1-3 and 11-23 of 23**).

The gopher tortoise is designated as threatened (T) by the State of Florida. This species is protected under regulations set forth in the Florida Administrative Code (F.A.C.) of the State of Florida, Chapter 68 Fish and Wildlife Conservation Commission., Rule 68A-4.001 and 68A-25.002, as well as Chapter 68A-27.

## **1.00 METHODOLOGY**

### **1.01 Gopher Tortoise and Other Burrow Commensals**

#### **1.01.1 Objective**

Conduct a 100% systematic survey to locate gopher tortoise and eastern indigo snake (*Drymarchon corais couperi*) that may be present within the study area.

### 1.01.2 Methodology

Biologists followed the survey protocol as recommended in *Ecology and Habitat Protection Needs of Gopher Tortoise (Gopherus polyphemus) Populations Found on Lands Slated for Large-scale Development in Florida*; Non-game Wildlife Program, Technical Report #5, Florida Game and Fresh Water Fish Commission (FGFWFC), A.K.A. FWC, Tallahassee, Florida, December 1987, and the Gopher Tortoise Guidelines, FWC, Tallahassee, Florida April 2008, revised July 2020.

- Biologists conducted serpentine search patterns between parallel transects 10 meters ( $\pm$  32 feet) apart;
- All gopher tortoise burrows located were flagged as either active or inactive, and assigned an identification number (if appropriate);
- Biologists field located all gopher tortoise burrows on an aerial photograph, if appropriate;
- Additional data and notes were collected by biologists for the occurrence of the eastern indigo snake.
- From 15 to 18 November 2022 a gopher tortoise survey was conducted by HSE personnel.

## 1.02 FWC Cooperative Land Cover (CLC)

### 1.02.1 Objective

To map vegetation within the boundaries of the project site according to the *Cooperative Land Cover Classification System (CLC)*.

### 1.02.2 Methodology

Biologists used the following methodology to map vegetation found on the project site:

- Biologists used the *Cooperative Land Cover Classification System (CLC)*, September 2018, FFWCC.
- Biologists based vegetative community descriptions on field surveys, United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) soil maps, and aerial photograph interpretations.

- Numerical community designations were carried to Levels III or IV, as determined to be appropriate, according to CLC.

### **1.03 Topography**

#### **1.03.1 Objective**

To identify the topography of the project sites.

#### **1.03.2 Methodology**

Biologists used the following methodologies to identify the topography of the project site.

- Biologists used the *U.S. Geological Survey (USGS) 7.5 Minute Series Topographic Map, Mims FL Quadrangle*, to determine on-site topography.

### **1.04 Soils**

#### **1.04.1 Objective**

To identify project soil types according to the NRCS.

#### **1.04.2 Methodology**

Biologists used the following methodology to identify soil types found on the project sites.

- The project site soils were mapped according to the *Natural Resources Conservation Service (NRCS), United States Department of Agriculture (USDA), Survey*, <http://websoilsurvey.sc.egov.usda.gov>

## **2.00 RESULTS**

Thirty-five (35) potentially occupied gopher tortoise burrows were located on the project site by biologists during the gopher tortoise and commensal species survey (**Figures 4-5 and 9-10 of 23**). Commensal species were not observed on-site, but there is suitable habitat. The estimated gopher tortoise population for the project site is eighteen (18).



According to the *Cooperative Land Cover Classification System* (CLC), (CLC codes were retrieved from Florida Fish and Wildlife 2022) the property is classified as 2112 - *Mixed Scrub - Shrub Wetland* (1.29 ± acres), 2240 - *Mixed Hardwoods - Coniferous Swamps* (10.5 ± acres), 183321 - *Citrus* (89.33 ± acres). Majority of the site was cogon grass (*Imperata cylindrica*) in the open fields. Other portions of the site were dominated by laurel oak (*Quercus laurifolia*), southern live oak (*Quercus virginiana*), and cabbage palm (*Sabal palmetto*) in the canopy. A tree survey may be required. The most notable prohibited plant observed was the Brazilian pepper (*Schinus terebinthifolia*). The site contains wetlands therefore a wetland delineation will be required and need to be reviewed by State or Federal officials before construction can begin (**Figure 7 of 23**).

According to the *U.S. Geological Survey (USGS) 7.5 Minute Series Topographic Map, Mims FL Quadrangle* site elevations range from 5'-25' NGVD. (**Figure 8 of 23**) depicts the USGS Topographic Map for the project site.

According the NRCS soil survey, the soils on site are: 8 - *Bradenton Fine Sand, Limestone Substratum* (11.83 ± acres), 16 - *Copeland - Bradenton - Wabasso, Limestone Substratum* (14.88 ± acres), 19 - *Riviera Sand, 0 to 2 Percent Slopes* (16.44 ± acres), 28 - *Immokalee Sand, 0 to 2 Percent Slopes* (43 ± acres), 36 - *Myakka Sand, 0 to 2 Percent Slopes* (20.16 ± acres), 43 - *Paola Fine Sand, 0 to 8 Percent Slopes* (6.70 ± acres), 51 - *Pompano Sand, 0 to 2 Percent Slopes* (30.62 ± acres) (**Figure 6 of 23**).

### 3.00 CONCLUSION

It is recommended by HSE to have the gopher tortoises relocated to an off-site gopher tortoise mitigation bank (GTMB) prior to construction. This will require a relocation permit from the Florida Fish and Wildlife Conservation Commission to relocate the tortoises to a gopher tortoise mitigation bank approved by the agency. If construction does not begin within 90 days of the original survey, another gopher tortoise survey must be completed according to FWC guidelines.

Please note that there may not be any spots available currently at any gopher tortoise mitigation bank. HSE will work closely with the banks to try and procure spots if you should decide to move forward and relocate them, but the timing will depend upon the availability of spots in a permitted mitigation bank.

If you have any questions or concerns, please do not hesitate to contact us at your earliest convenience.

#### **4.00 Certification by Consultant**

I certify that the referenced property was surveyed for state and federally listed species with the potential to be found on site, in accordance with the appropriate survey methodologies by the listing wildlife agencies.

Agent's Name / Firm Name: Robert L. Weigt Hobe Sound Environmental Consultants, Inc.

Signature / Date: \_\_\_\_\_ 11/21/2022

If you have any questions or concerns, please do not hesitate to contact us at your earliest convenience.

Thank you,  
Robert Weigt, President  
GTA-09-00153F

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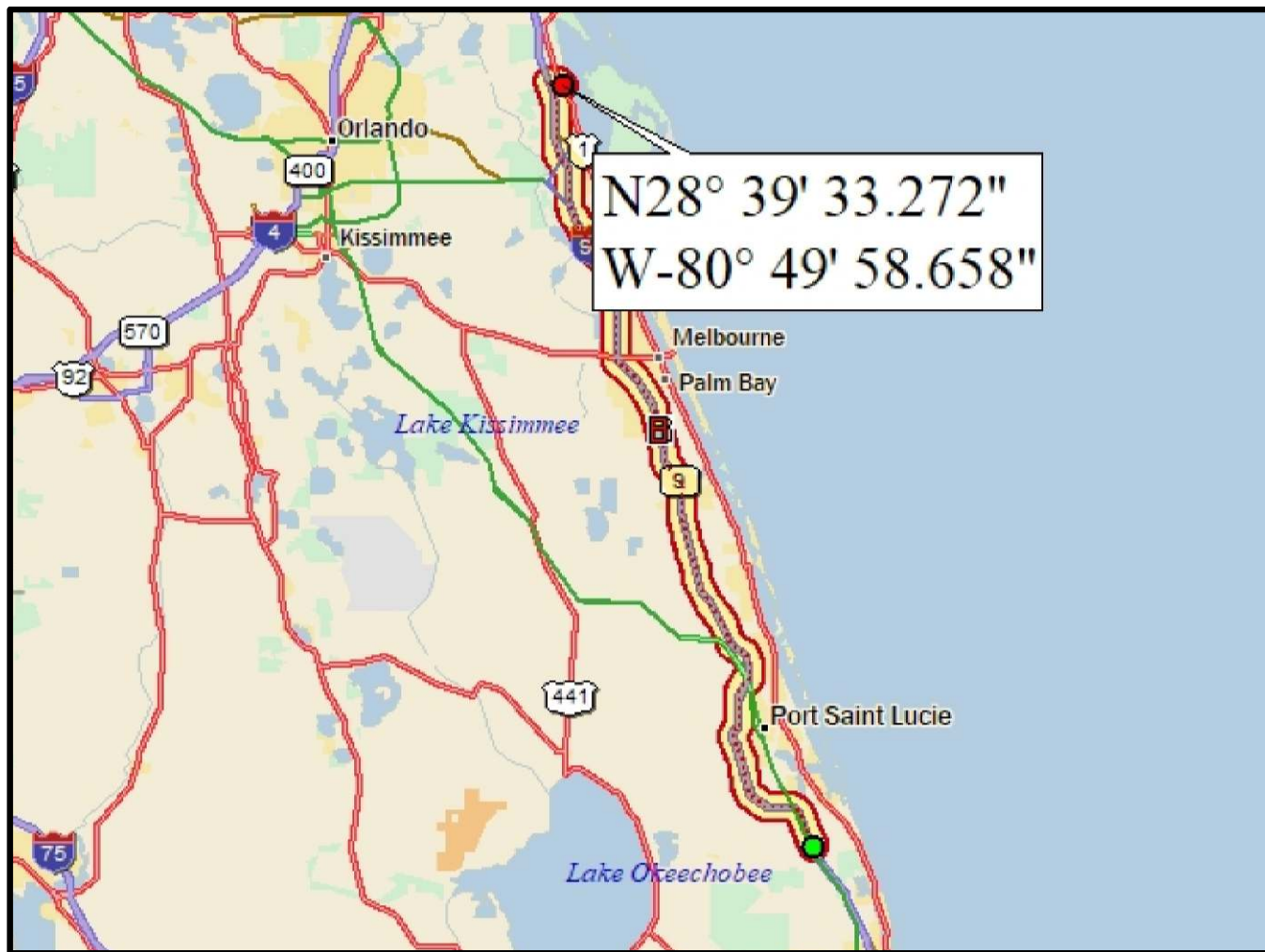
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NORTH



SCALE: 1" = 140,000'



	Dist	Turn		Road	Exit	Total Time	Total Dist
		Start	at	Ramp		00:00:00	0.00 mi
		Go straight (NNW)	on	I-95 N (SR 9) ramp		00:00:00	0.00 mi
	in 127.62 mi	Keep right (NNW)	on to	SR 46 (W Main St) ramp	223	01:58:14	127.62 mi
	in 0.16 mi	Keep right (NNE)	on	SR 46 (W Main St) ramp		01:58:27	127.78 mi
	in 0.04 mi	Keep right (E)	on to	SR 46 (W Main St)		01:58:30	127.83 mi
	in 1.48 mi	Turn right (SSE)	on to	N US 1		02:01:41	129.30 mi
	in 0.46 mi	Turn left (E)	on to	Cuyler St		02:02:46	129.76 mi
	in 0.53 mi	Finish	at	Cuyler St		02:04:42	130.30 mi

Total Time: 02:04:42 Total Distance: 130.30 mi

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE: DELORME STREET ATLAS USA, 2015

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 01 - VICINITY MAP.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 1 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
VICINITY MAP

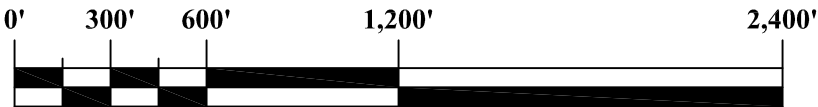
**HSE** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

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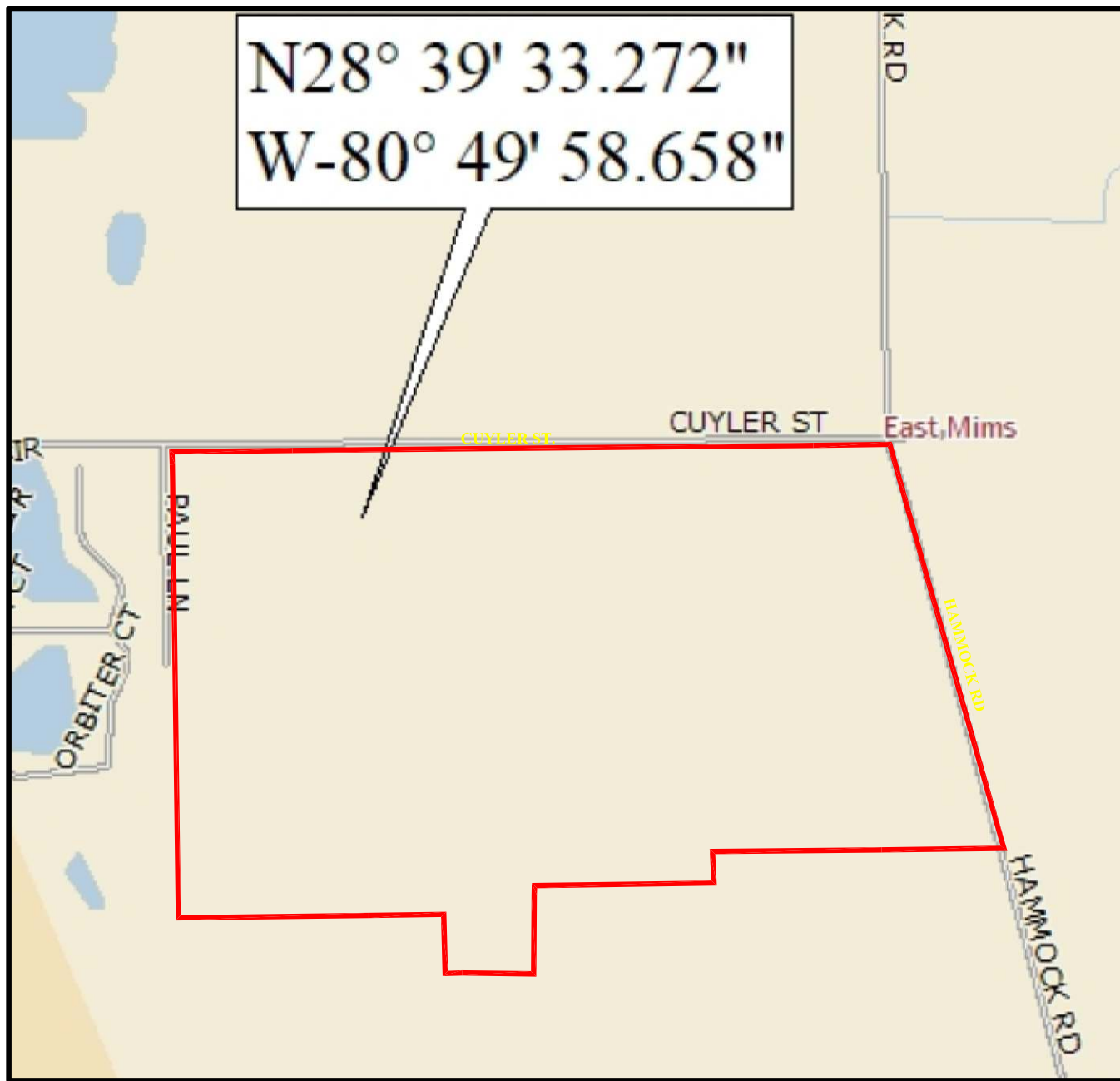
NOT A SURVEY



NORTH



SCALE: 1" = 600'



PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE: DELORME STREET ATLAS USA, 2015.

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 02 - LOC MAP	DATE: 14 NOVEMBER 2022	FIGURE: 2 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"			DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
LOCATION MAP

**HSE** Hobe Sound Environmental Consultants Inc.  
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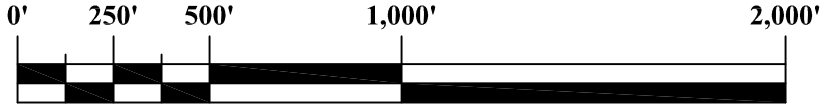


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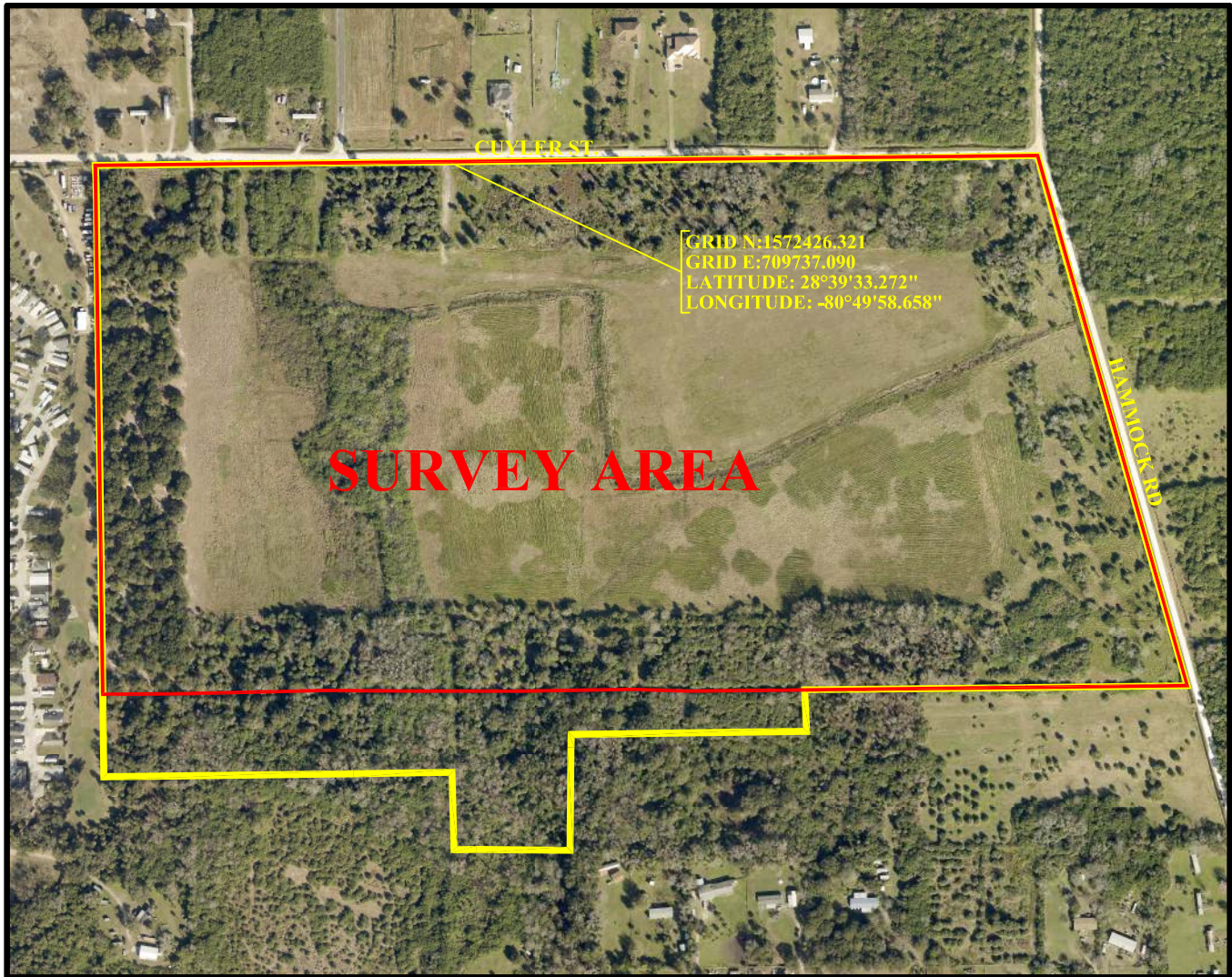
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NORTH



SCALE: 1" = 500'



#### LEGEND



- PROPERTY BOUNDARY



- SURVEY AREA

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE: FDOT 2021 AERIAL PHOTOGRAPH

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 03 - 2021AERIAL.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 3 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
2021 AERIAL PHOTOGRAPH

**HSE** Hobe Sound Environmental Consultants Inc.  
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Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

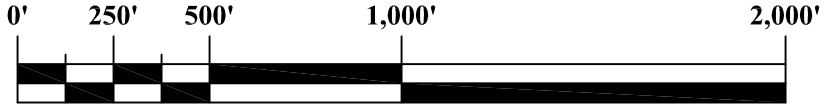


THIS DRAWING, TOGETHER WITH THE CONCEPTS AND DESIGN PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DRAWING WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY HOBE SOUND ENVIRONMENTAL CONSULTANTS, INC. SHALL BE WITHOUT LIABILITY TO HOBE SOUND ENVIRONMENTAL CONSULTANTS, INC.

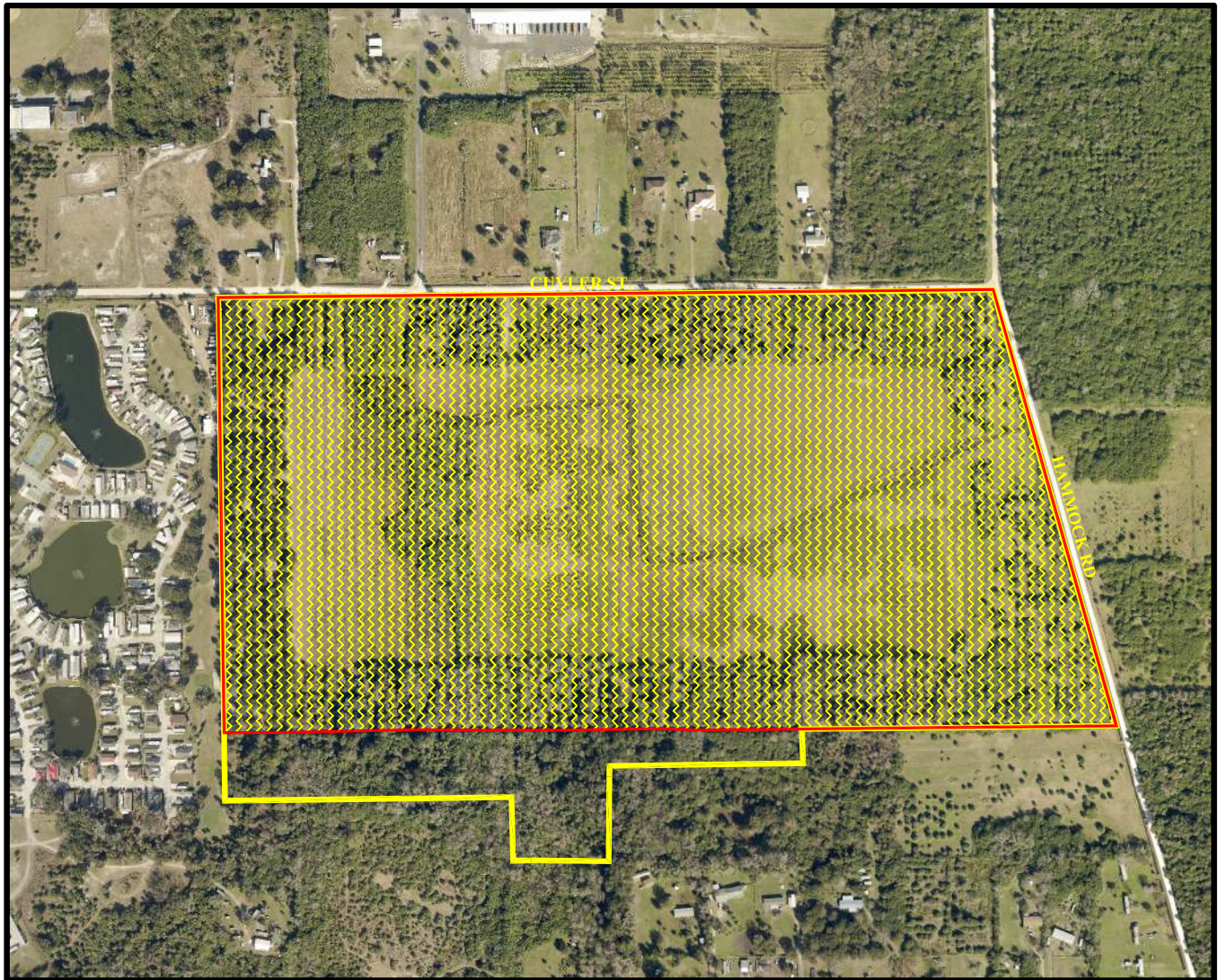
NOT A SURVEY



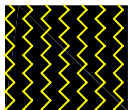
NORTH



SCALE: 1" = 500'



**LEGEND:**



- PEDESTRIAN TRANSECT

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE: FDOT 2021 AERIAL PHOTOGRAPH; HSE

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 04 - PED TRANS.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 4 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP	

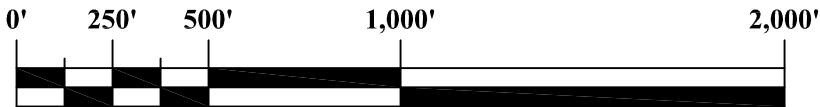
FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PEDESTRIAN TRANSECTS

**HSE** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

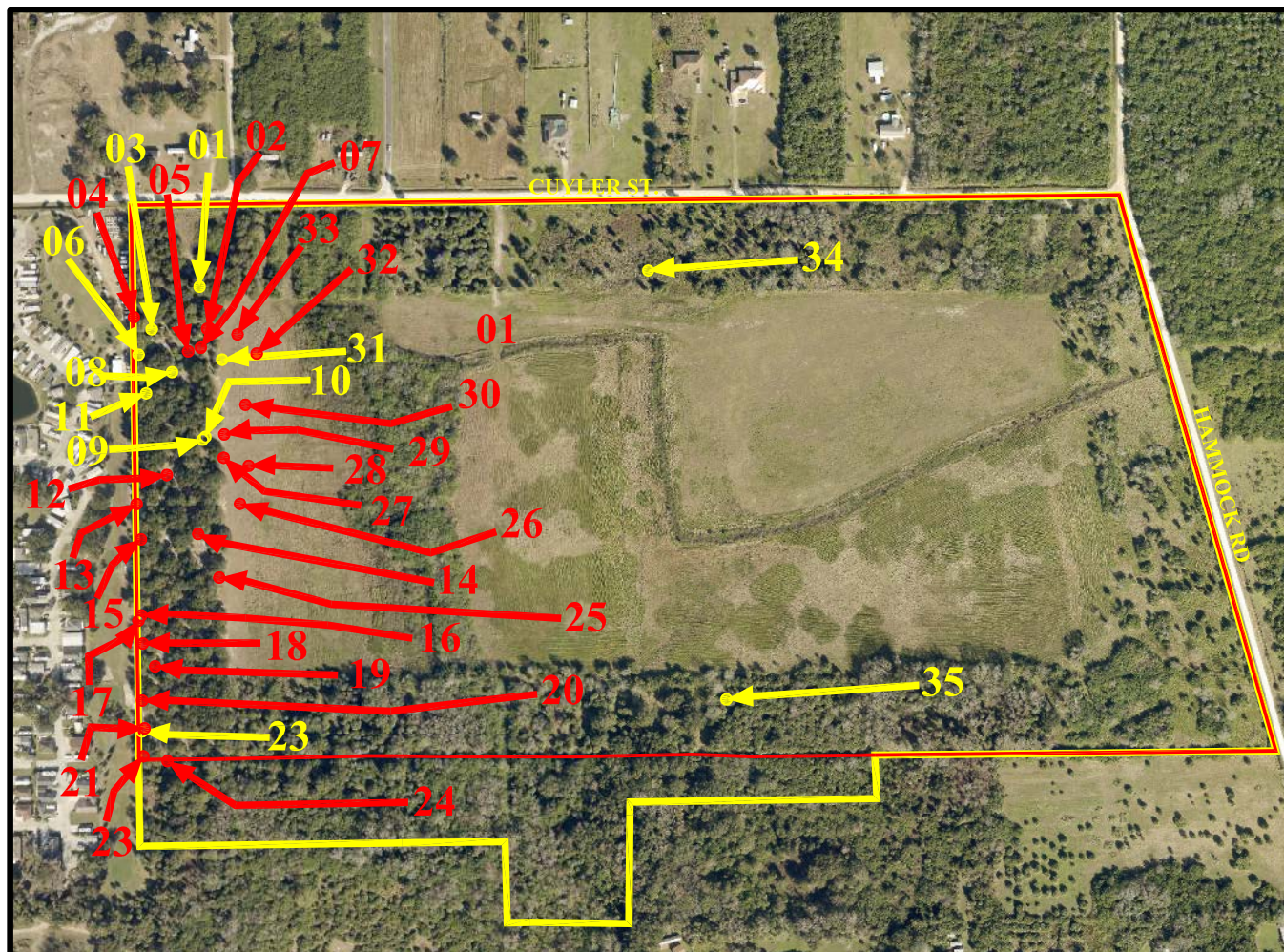




# NORTH



**SCALE: 1" = 500'**



**TOTAL POTENTIALLY OCCUPIED = 35**

**A 100% SURVEY FOR GOPHER TORTOISES WAS CONDUCTED ON 15 - 18 NOVEMBER 2022, ACCORDING TO FWC GUIDELINES. THIRTY - FIVE (35) POTENTIALLY OCCUPIED GOPHER TORTOISE BURROWS WERE LOCATED DURING THE SURVEY. THE ESTIMATED GOPHER TORTOISE POPULATION IS 18.**

**DYLAN BARBER, GTA-21-00011A**

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297, 21-35-21-00-261,21-35-21-00-251

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 05 - GT BURROW.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 5 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"			DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP

**FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (Gopherus polyphemus)  
100% SURVEY  
BURROW LOCATION MAP**

H S

**Hobe Sound Environmental Consultants Inc.**  
**9512 SE Duncan Street**  
**Hobe Sound, FL. 33455**  
**(772) 545-3676, E-mail: bobhsenv@gmail.com**

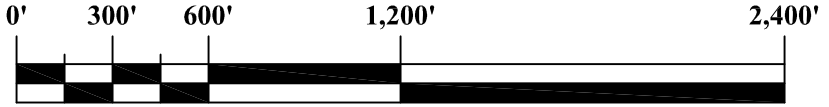


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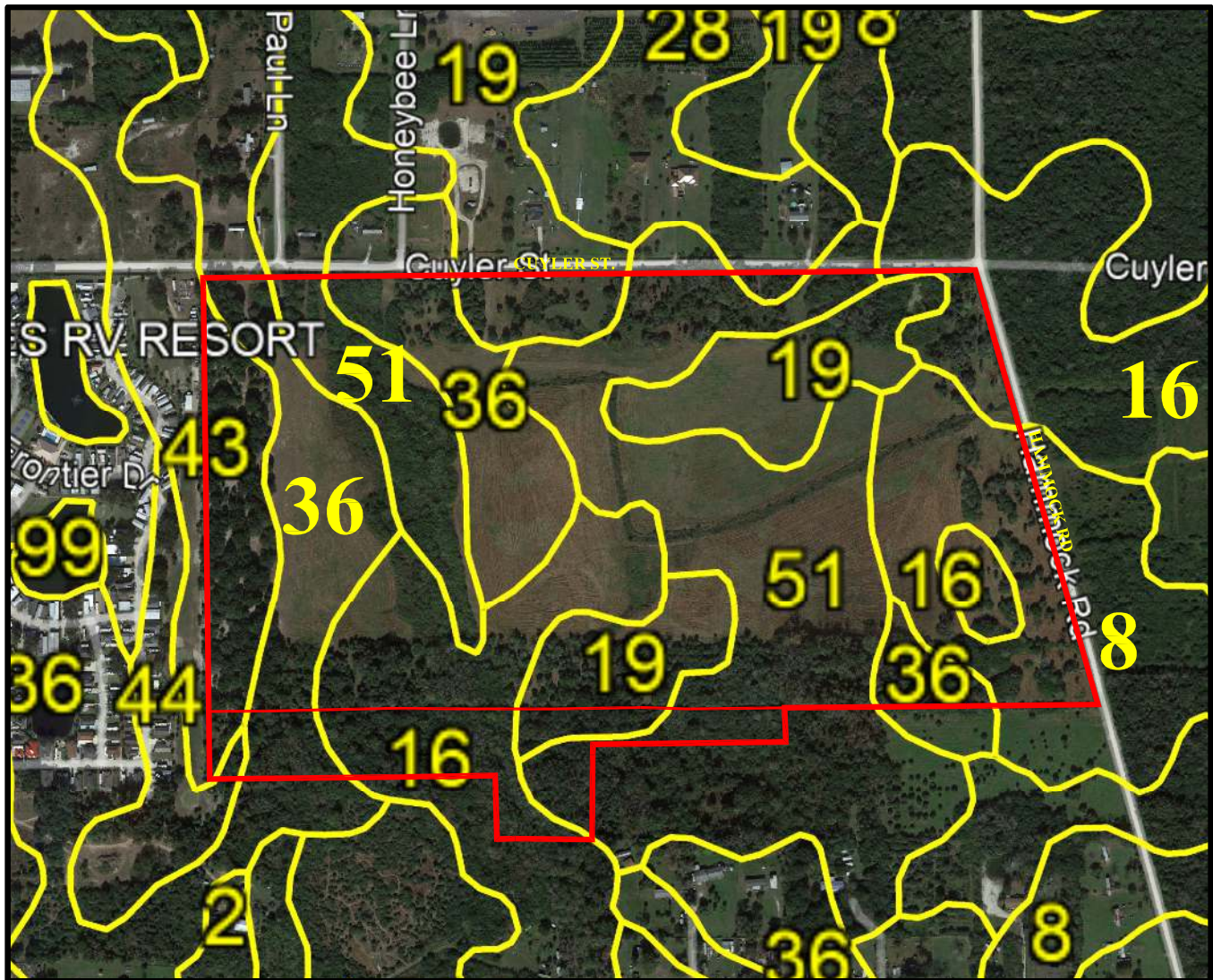
NOT A SURVEY



NORTH



SCALE: 1" = 600'



**LEGEND:**

- 8 - BRADENTON FINE SAND, LIMESTONE SUBSTRATUM (±11.83 A.C)
- 16 - COPELAND - BRADENTON - WABASSO, LIMESTONE SUBSTRATUM (±14.88 A.C)
- 19 - RIVIERA SAND, 0 TO 2 PERCENT SLOPES (±16.44 A.C)
- 28 - IMMOKALEE SAND, 0 TO 2 PERCENT SLOPES (±43 A.C)
- 36 - MYAKKA SAND, 0 TO 2 PERCENT SLOPES (±20.16 A.C)
- 43 - PAOLA FINE SAND, 0 TO 8 PERCENT SLOPES (±6.70 A.C)
- 51 - POMPAÑO SAND, 0 TO 2 PERCENT SLOPES (±30.62 A.C)

TOTAL = ±101.06 A.C

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE: <http://websoilsurvey.sc.egov.usda/App/WebSoilSurvey.aspx>

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 06 - SOIL MAP.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 6 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"			DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP
FLORIDA INLAND NAVIGATION DISTRICT DMMA BV - 4B CUYLER STREET AND HAMMOCK ROAD MIMS, FL. GOPHER TORTOISE ( <u>Gopherus polyphemus</u> ) 100% SURVEY NRCS SOIL MAP					H S E Hobe Sound Environmental Consultants Inc. 9512 SE Duncan Street Hobe Sound, FL. 33455 (772) 545-3676, E-mail: bobhsenv@gmail.com		

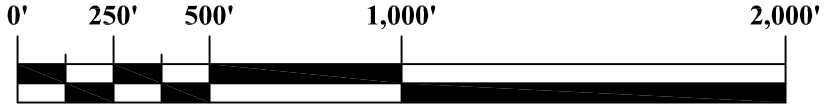


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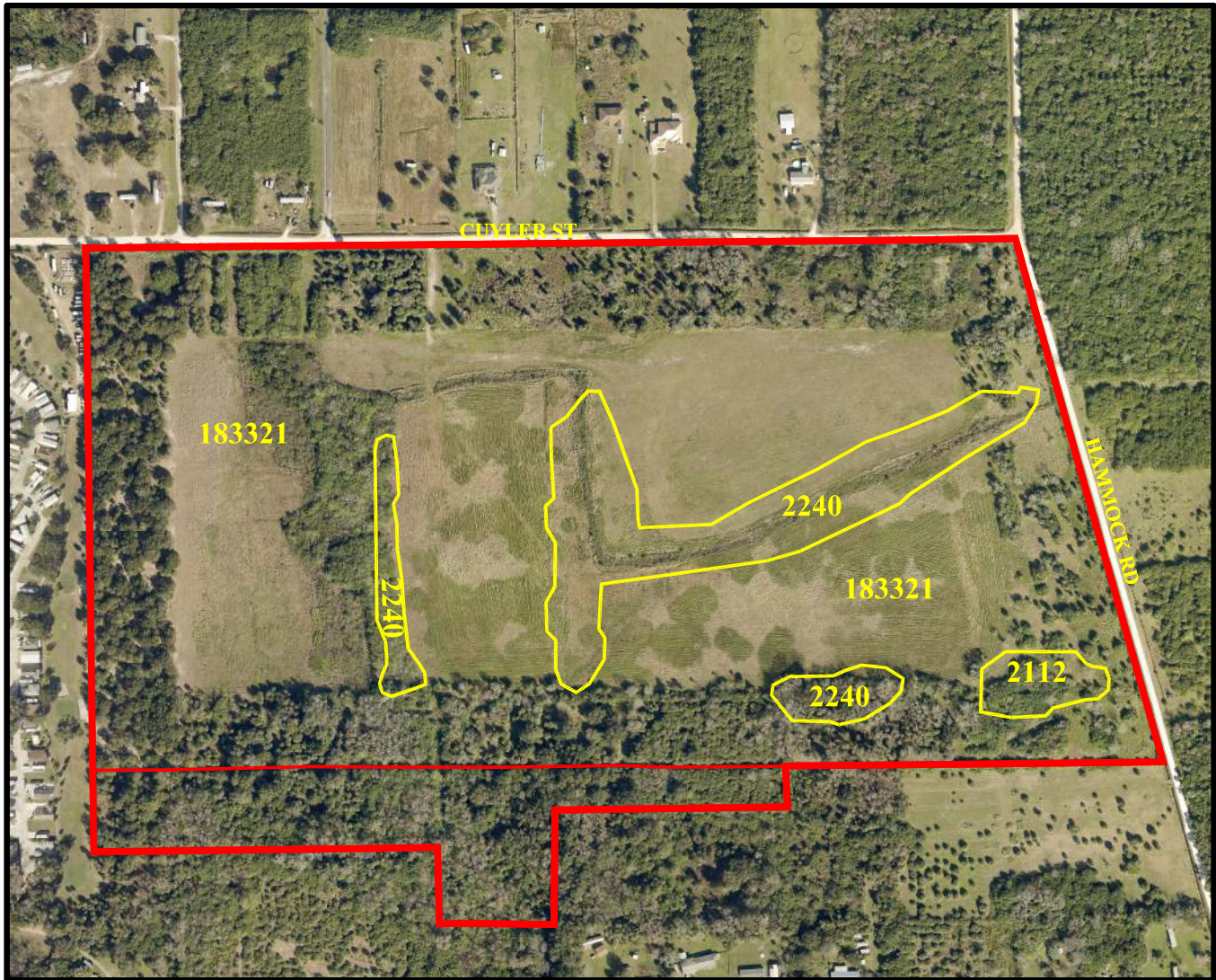
NOT A SURVEY



NORTH



SCALE: 1" = 500'



**LEGEND:**

2112 - MIXED SCRUB - SHRUB WETLAND ( $\pm 1.29$  A.C)  
2240 - MIXED HARDWOODS - CONIFEROUS SWAMPS ( $\pm 10.5$  A.C)  
183321 - CITRUS ( $\pm 89.33$  A.C)

**\*\* CLC CODES WERE RETRIEVED FROM FLORIDA FISH AND WILDLIFE 2022**

SOURCE: FWC FLORIDA COOPERATIVE LAND COVER CLASSIFICATION SYSTEM

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 07 - CLC MAP.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 7 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
CLC (VEGETATION) MAP

**HSE** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

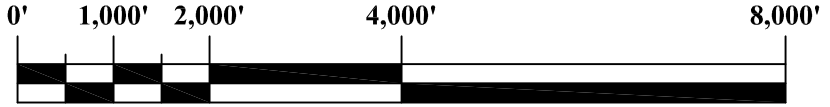


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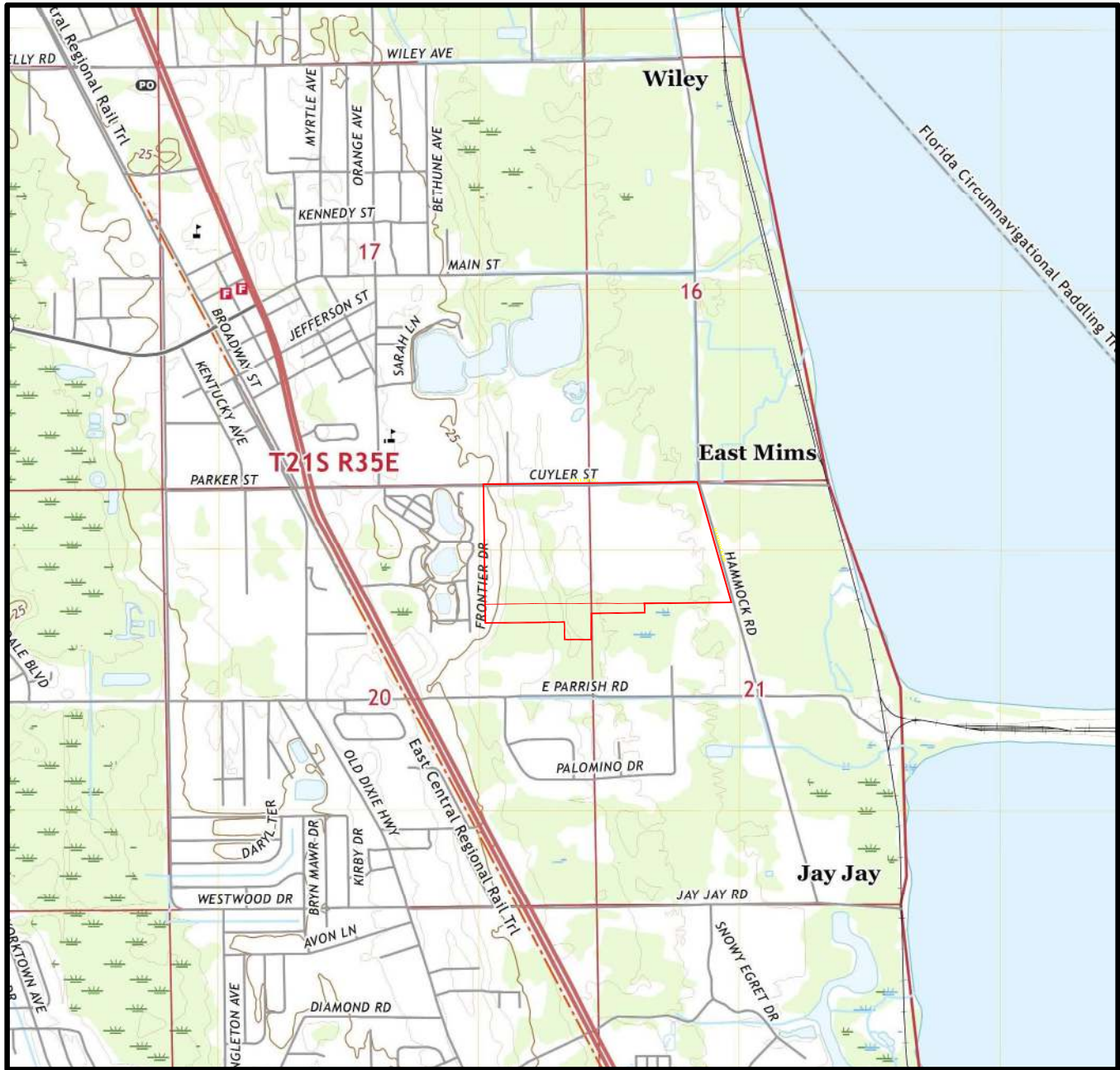
NOT A SURVEY



NORTH



SCALE: 1" = 2,000'



PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE: USGS 2021, MIMS FL, QUADRANGLE 7.5 MINUTE SERIES.

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 08 - TOPO.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 8 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"			DESIGNED BY: RLW	DRAWN BY: RLM	CHECKED BY: FRP
FLORIDA INLAND NAVIGATION DISTRICT DMMA BV - 4B CUYLER STREET AND HAMMOCK ROAD MIMS, FL. GOPHER TORTOISE ( <i>Gopherus polyphemus</i> ) 100% SURVEY USGS TOPOGRAPHIC MAP					<div>HSE</div> <div>Hobe Sound Environmental Consultants Inc. 9512 SE Duncan Street Hobe Sound, FL. 33455 (772) 545-3676, E-mail: bobhsenv@gmail.com</div>		



NOT A SURVEY



FIND BV 4B GT SURVEY				
DATE: 16 NOVEMBER 2022		HOBE SOUND ENVIRONMENTAL CONSULTANTS, INC.		
BURROW #	HSE JOB# 22 - 063.01 GPS COORDINATES	BURROW ACTIVITY		BURROW STATUS
		ACTIVE	INACTIVE	POTENTIALLY OCCUPIED
01	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
02	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
03	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
04	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
05	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
06	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
07	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
08	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
09	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
10	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
11	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
12	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
13	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
14	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
15	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
16	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
17	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
18	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
19	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
20	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
21	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
SUB-TOTAL:		14	7	21

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:HSE

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 09-GT COORDINATES.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 9 OF 23	
	20 & 21	21S	35S					
LATITUDE: 28°39'33.272"			LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR		CHECKED BY: FRP
FLORIDA INLAND NAVIGATION DISTRICT DMMA BV - 4B CUYLER STREET AND HAMMOCK ROAD MIMS, FL. GOPHER TORTOISE ( <u>Gopherus polyphemus</u> ) 100% SURVEY GT BURROW GPS COORDINATES					H S E Hobe Sound Environmental Consultants Inc. 9512 SE Duncan Street Hobe Sound, FL. 33455 (772) 545-3676, E-mail: bobhsenv@gmail.com			

NOT A SURVEY



FIND BV 4B GT SURVEY				
DATE:16 NOVEMBER 2022		HOBE SOUND ENVIRONMENTAL CONSULTANTS, INC.		
BURROW #	HSE JOB# 22 - 063.01 GPS COORDINATES	BURROW ACTIVITY		BURROW STATUS
		ACTIVE	INACTIVE	POTENTIALLY OCCUPIED
22	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
23	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
24	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
25	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
26	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
27	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
28	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
29	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
30	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
31	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
32	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
33	LATITUDE: 24°19'13.954"	1	0	1
	LONGITUDE: -82°58'13.212"			
34	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
35	LATITUDE: 24°19'13.954"	0	1	1
	LONGITUDE: -82°58'13.212"			
TOTAL:		24	11	35

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:HSE

BREVARD COUNTY FLORIDA	SEC.	TWP.	R.	HSE JOB NO.: 22-063.01	DRAWING NAME: 10-GT COORDINATES.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 10 OF 23
	20 & 21	21S	35S				
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	
FLORIDA INLAND NAVIGATION DISTRICT DMMA BV - 4B CUYLER STREET AND HAMMOCK ROAD MIMS, FL. GOPHER TORTOISE ( <u>Gopherus polyphemus</u> ) 100% SURVEY GT BURROW GPS COORDINATES					<div>H S E</div> <div>Hobe Sound Environmental Consultants Inc. 9512 SE Duncan Street Hobe Sound, FL. 33455 (772) 545-3676, E-mail: bobhsenv@gmail.com</div>		

NOT A SURVEY

**Brevard County Property Appraiser**

Titusville • Viera • Melbourne • Palm Bay

## PROPERTY DETAILS

Phone: (321) 264-6700

<https://www.bcpao.us>

Account	2104631
Owners	FLORIDA INLAND NAVIGATION DISTRICT
Mailing Address	1314 MARCINSKI RD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-20-00-1
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	5.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	E 1/2 OF NE 1/4 OF NE 1/4 OF NE 1/4 EXC RD RW



## VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$31,500	\$31,500	\$31,500
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$31,500	\$31,500	\$31,500
Assessed Value School	\$31,500	\$31,500	\$31,500
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$31,500	\$31,500	\$31,500
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

## SALES/TRANSFERS

Date	Price	Type	Instrument
01/20/1967	--	WD	0942/0177

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 11-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 11 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PROPERTY CARD

**H S E** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

NOT A SURVEY



## Brevard County Property Appraiser

Titusville • Viera • Melbourne • Palm Bay

### PROPERTY DETAILS

Phone: (321) 264-6700

<https://www.bcpao.us>

Account	2104632
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-20-00-2
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	15.35
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	THAT PART OF THE FOLLOWING LYING WITHIN THE BOUNDARIES OF CIVIL ACTION #92-7408-CA-D: W 1/2 OF NE 1/4 OF NE 1/4 OF NE 1/4, N 2/3 OF W 3/4 OF N 1/2 OF SE 1/4 OF NE 1/4 & S 1/2 OF NE 1/4 OF NE 1/4, EXC AS DESC IN DB 251 PG 431, 282 PG 205, 392 PG 423, ORB 581 PG 697 & RD R/W PARS 11,32



### VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$96,710	\$96,710	\$96,710
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$96,710	\$96,710	\$96,710
Assessed Value School	\$96,710	\$96,710	\$96,710
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$96,710	\$96,710	\$96,710
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

### SALES/TRANSFERS

Date	Price	Type	Instrument
11/14/1984	--	NN	2555/1629
09/14/1984	\$915,900	PT	2541/2658
01/06/1978	\$53,000	WD	1833/0184

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 12-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 12 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PROPERTY CARD

**H S E** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com



NOT A SURVEY



## Brevard County Property Appraiser

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Phone: (321) 264-6700

<https://www.bcpao.us>

### PROPERTY DETAILS

Account	2104634
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-20-00-4
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	5.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	N 1/2 OF NW 1/4 OF NE 1/4 OF NE 1/4 EXC RD RW



### VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$31,500	\$31,500	\$31,500
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$31,500	\$31,500	\$31,500
Assessed Value School	\$31,500	\$31,500	\$31,500
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$31,500	\$31,500	\$31,500
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

### SALES/TRANSFERS

Date	Price	Type	Instrument
01/01/1983	--	WD	2408/1112
11/03/1982	--	WD	2401/1360
11/01/1982	\$100,000	WD	2394/0266

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 13-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 13 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
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Account	2110802
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-20-00-49
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	20.75
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	PART OF NE 1/4, BEING THAT PART OF ORB 1349 PG 309 LYING WITHIN THE BOUNDARIES OF CIVIL ACTION #92-7408-CA-D

**VALUE SUMMARY**

Category	2022	2021	2020
Market Value	\$130,730	\$130,730	\$130,730
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$130,730	\$130,730	\$130,730
Assessed Value School	\$130,730	\$130,730	\$130,730
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$130,730	\$130,730	\$130,730
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

**SALES/TRANSFERS**

Date	Price	Type	Instrument
No Data Found			

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 14-PROPERTY CARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 14 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
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## Brevard County Property Appraiser

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### PROPERTY DETAILS

Phone: (321) 264-6700

<https://www.bcpao.us>

Account	2110803
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-20-00-50
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	1.59
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	THAT PART OF E 1/4 OF N 1/2 OF SE 1/4 OF NE 1/4 DESC IN CIVIL ACTION #92-7408-CA-D



### VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$10,020	\$10,020	\$10,020
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$10,020	\$10,020	\$10,020
Assessed Value School	\$10,020	\$10,020	\$10,020
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$10,020	\$10,020	\$10,020
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

### SALES/TRANSFERS

Date	Price	Type	Instrument
No Data Found			

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 15-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 15 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
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<https://www.bcpao.us>**PROPERTY DETAILS**

Account	2105224
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-251
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	4.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	PART OF NW 1/4 AS DESC IN DB 75 PG 283

**VALUE SUMMARY**

Category	2022	2021	2020
Market Value	\$25,200	\$25,200	\$25,200
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$25,200	\$25,200	\$25,200
Assessed Value School	\$25,200	\$25,200	\$25,200
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$25,200	\$25,200	\$25,200
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

**SALES/TRANSFERS**

Date	Price	Type	Instrument
01/20/1967	--	WD	0942/0176

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 16-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 16 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
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GOPHER TORTOISE (*Gopherus polyphemus*)  
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## PROPERTY DETAILS

Account	2105225
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-252
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	12.50
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	W 7 1/2 AC OF E 15 AC OF N 3/4 OF NW 1/4 OF NW 1/4 & N 1/2 OF SW 1/4 OF NW 1/4 OF NW 1/4 EXC RD R/W PAR 254



## VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$78,750	\$78,750	\$78,750
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$78,750	\$78,750	\$78,750
Assessed Value School	\$78,750	\$78,750	\$78,750
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$78,750	\$78,750	\$78,750
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

## SALES/TRANSFERS

Date	Price	Type	Instrument
03/01/1967	--	--	0942/0128

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 17-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 17 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PROPERTY CARD

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**Brevard County Property Appraiser**

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<https://www.bcpao.us>**PROPERTY DETAILS**

Account	2105226
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-253
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	10.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	NW 1/4 OF NW 1/4 OF NW 1/4 EXC RD RW

**VALUE SUMMARY**

Category	2022	2021	2020
Market Value	\$63,000	\$63,000	\$63,000
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$63,000	\$63,000	\$63,000
Assessed Value School	\$63,000	\$63,000	\$63,000
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$63,000	\$63,000	\$63,000
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

**SALES/TRANSFERS**

Date	Price	Type	Instrument
02/01/1976	\$20,500	--	1595/0573

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 18-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 18 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
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Phone: (321) 264-6700

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Account	2105227
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-255
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	5.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	PART OF NW 1/4 OF NW 1/4 AS DESC IN DB NN PG 226

**VALUE SUMMARY**

Category	2022	2021	2020
Market Value	\$31,500	\$31,500	\$31,500
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$31,500	\$31,500	\$31,500
Assessed Value School	\$31,500	\$31,500	\$31,500
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$31,500	\$31,500	\$31,500
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

**SALES/TRANSFERS**

Date	Price	Type	Instrument
03/01/1967	--	--	0942/0128

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 19-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 19 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
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## Brevard County Property Appraiser

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### PROPERTY DETAILS

Account	2105228
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCKISKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-256
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	5.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	PART OF NW 1/4 AS DESC IN DB 59 PG 8



### VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$31,500	\$31,500	\$31,500
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$31,500	\$31,500	\$31,500
Assessed Value School	\$31,500	\$31,500	\$31,500
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$31,500	\$31,500	\$31,500
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

### SALES/TRANSFERS

Date	Price	Type	Instrument
10/01/1970	\$7,000	--	1145/0620

SOURCE: BREVARD COUNTY PROPERTY APPRAISERS

PARCEL ID#s 21-35-20-00-4, 21-35-20-00-49, 21-35-20-00-3, 21-35-20-00-31, 21-35-20-00-2, 21-35-20-00-1, 21-35-21-00-253, 21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260, 21-35-21-00-297, 21-35-21-00-261, 21-35-21-00-251,

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 20-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 20 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
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<https://www.bcpao.us>**PROPERTY DETAILS**

Account	2105230
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-259
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	10.30
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	S 1/2 OF SE 1/4 OF NW 1/4 OF NW 1/4 & THAT PT OF NE 1/4 OF SW 1/4 OF NW 1/4 & NW 1/4 OF SE 1/4 OF NW 1/4 DESC IN CIVIL ACTION #92-7408-CA-D

**VALUE SUMMARY**

Category	2022	2021	2020
Market Value	\$64,890	\$64,890	\$64,890
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$64,890	\$64,890	\$64,890
Assessed Value School	\$64,890	\$64,890	\$64,890
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$64,890	\$64,890	\$64,890
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

**SALES/TRANSFERS**

Date	Price	Type	Instrument
11/01/1976	\$37,500	PT	1682/0287
03/01/1971	\$1,000	PT	1168/0119

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 21-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 21 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PROPERTY CARD

**H S E** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com



NOT A SURVEY



## Brevard County Property Appraiser

Titusville • Viera • Melbourne • Palm Bay

Phone: (321) 264-6700

<https://www.bcpao.us>

### PROPERTY DETAILS

Account	2105231
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-260
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	5.00
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	S 1/2 OF SW 1/4 OF NW 1/4 OF NW 1/4



### VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$34,130	\$34,130	\$34,130
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$34,130	\$34,130	\$34,130
Assessed Value School	\$34,130	\$34,130	\$34,130
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$34,130	\$34,130	\$34,130
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

### SALES/TRANSFERS

Date	Price	Type	Instrument
09/01/1976	\$5,000	--	1658/0661
07/29/1964	--	WD	0712/0203

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,  
PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 22-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 22 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PROPERTY CARD

**H S E** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

NOT A SURVEY



## Brevard County Property Appraiser

Titusville • Viera • Melbourne • Palm Bay

Phone: (321) 264-6700

<https://www.bcpao.us>

### PROPERTY DETAILS

Account	2110804
Owners	FLORIDA INLAND NAVIGATION; DISTRICT
Mailing Address	1314 MARCINSKI ROAD JUPITER FL 33477
Site Address	NONE
Parcel ID	21-35-21-00-297
Property Use	8060 - STATE OWNED LAND - VACANT
Exemptions	EXSF - STATE OWNED
Taxing District	1300 - UNINCORP DISTRICT 1
Total Acres	3.30
Subdivision	--
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0000/0000
Land Description	THAT PART OF N 1/2 OF NW 1/4 OF SW 1/4 OF NW 1/4 DESC IN CIVIL ACTION #92-7408-CA-D



### VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$20,790	\$20,790	\$20,790
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$20,790	\$20,790	\$20,790
Assessed Value School	\$20,790	\$20,790	\$20,790
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$20,790	\$20,790	\$20,790
Taxable Value Non-School	\$0	\$0	\$0
Taxable Value School	\$0	\$0	\$0

### SALES/TRANSFERS

Date	Price	Type	Instrument
No Data Found			

PARCEL ID#s 21-35-20-00-4,21-35-20-00-49,21-35-20-00-3,21-35-20-00-31,21-35-20-00-2,21-35-20-00-1,21-35-21-00-253,21-35-21-00-252,

PARCEL ID#s 21-35-21-00-260,21-35-21-00-297,21-35-21-00-261,21-35-21-00-251,

SOURCE:BREVARD COUNTY PROPERTY APPRAISERS

BREVARD COUNTY FLORIDA	SEC. 20 & 21	TWP. 21S	R. 35S	HSE JOB NO.: 22-063.01	DRAWING NAME: 23-PROPERTYCARD.DWG	DATE: 14 NOVEMBER 2022	FIGURE: 23 OF 23
LATITUDE: 28°39'33.272"		LONGITUDE: -80°49'58.658"		DESIGNED BY: RLW	DRAWN BY: MAR	CHECKED BY: FRP	

FLORIDA INLAND NAVIGATION DISTRICT  
DMMA BV - 4B  
CUYLER STREET AND HAMMOCK ROAD MIMS, FL.  
GOPHER TORTOISE (*Gopherus polyphemus*)  
100% SURVEY  
PROPERTY CARD

**H S E** Hobe Sound Environmental Consultants Inc.  
9512 SE Duncan Street  
Hobe Sound, FL. 33455  
(772) 545-3676, E-mail: bobhsenv@gmail.com

**HOBE SOUND**  
**ENVIRONMENTAL CONSULTANTS, INC.**  
**9512 S. E. DUNCAN STREET**  
**HOBE SOUND, FLORIDA 33455**  
**PHONE: (772) 545-3676 CELL (772) 260-0857**  
**E-MAIL: [bobhsenv@gmail.com](mailto:bobhsenv@gmail.com)**

29 November 2022

Mr. Ian Eyeington  
 Florida Inland Navigation District  
 1314 Marcinski Road  
 Jupiter, Florida 33477

Via E-mail:

Re: FIND BV-4B Dredge Material Management Area (DMMA) Mims, Brevard County, Florida.  
 Gopher tortoise (*Gopherus polyphemus*) relocation permit application, relocation and transportation.  
 (Latitude: 28°39'33.272" and Longitude: -80°49'58.658" in Sections 20 & 21, Township 21S, Range  
 35S, Brevard County, Florida. The property control numbers (PCN) are 21-35-20-00-4,  
 21-35-20-00-49, 21-35-20-00-3, 21-35-20-00-31, 21-35-20-00-2, 21-35-20-00-1, 21-35-21-00-253,  
 21-35-21-00-252, 21-35-21-00-260, 21-35-21-00-297, 21-35-21-00-261, 21-35-21-00-251.

Dear Mr. Eyeington,

Hobe Sound Environmental Consultants, Inc. (HSE) is pleased to offer this proposal for environmental services for the above- referenced project. Tasks to be completed by HSE under this contract are briefly outlined below.

***Task II                    Gopher Tortoise Relocation Permit Application***

HSE will complete a FWC gopher tortoise relocation permit application according to FWC guidelines. The online permit application will include, but not be limited to, gopher tortoise burrow location map with estimated population, soils map, FLUCFCS (vegetation) map, site plan/burrow overlay map, transect map and location of proposed gopher tortoise mitigation bank.

<b><i>Task II Costs:</i></b>	<b><i>\$1,500.00</i></b>	<b><i>Lump Sum</i></b>
------------------------------	--------------------------	------------------------

***Task III                    FFWCC Mitigation Contribution Fee***

FIND will pay the ***\$5,499.00*** mitigation contribution fee to FFWCC (conservation permit application) directly.



**Task III Costs:** **\$234.00 for first group of 10 burrows (up to 5 tortoises)**  
**\$351.00 for each additional tortoise**

**$\$234 + (\$351 \times 15) = \$5,499.00$  to be paid by Client directly to FFWCC. \***

**\* Please Note - This cost is based upon an estimate of the number of tortoises anticipated to be relocated. If fewer tortoises are relocated, a refund will be made after a request form is filled out, minus a 3% convenience fee charged by the Wildlife Foundation of Florida.**

**Task IV Gopher Tortoise Mitigation Bank (GTMB) Coordination**

HSE biologists will find an appropriate GTMB with long-term conservation within the service area of the above-referenced site. This task will also include coordination with the GTMB representatives, contract and contract language, transportation details, schedule of payments and estimated cost.

**Task IV Costs:** **\$250.00** **Lump Sum**

**Task V On-site Meeting with FFWCC**

HSE will meet on-site, including travel expenses and any additional contacts with FFWCC to discuss any issues concerning the project.

**Task V Costs:** **\$650.00** **Lump Sum**

**Task VI Gopher Tortoise Re-survey (if necessary)**

HSE will re-survey the project site for gopher tortoises several days before the relocation, if necessary, as per FFWCC guidelines.

**Task VI Costs:** **\$7,821.00** **Lump Sum**

**Task VII Gopher Tortoise Bucket Trapping\***

HSE will bucket trap all gopher tortoise burrows that are on the western fence line and whose burrows appear to go west under the fence (Burrows 3, 6, 18, 20 and 23). These tortoises will be relocated to the permitted gopher tortoise mitigation bank according to the FWC permit requirements. HSE will monitor the traps daily for 28 consecutive days or until the tortoise is captured, whichever comes first.

**Task VII Costs :** **Bucket Trapping: \$3,740.00** **Lump Sum**

**\*Please Note: According to FFWCC guidelines, "All traps must be closed if at any time during the 28 consecutive days trapping period the forecasted low temperature is 50° Fahrenheit or lower at the donor site. The 28 consecutive day**

*trapping period shall restart at day 1 when a trap is closed for any reason”.*

***Task VIII      Gopher Tortoise Burrow Excavation\****

HSE will excavate the gopher tortoise burrows and relocate the tortoises to the gopher tortoise mitigation bank approved in the FWC permit. According to FWC regulations, all potentially occupied burrows must be excavated.

***Task VIII Costs :***                      ***\$235.00 per burrow (\$235.00 X 30 burrows) =  
\$7,050.00)***

***\$1,500.00 per day for backhoe and operator,  
\$1,500.00 x 4 days = \$6,000.00***

***\$500.00 mobilization fee = \$500.00***

***Food & Lodging = \$1,300.00***

***Total estimated Task VIII Costs:      \$14,850.00***

***\* Please Note: During the colder months, tortoises shall only be relocated when the low temperature at the recipient site is forecasted by the National Weather Service ([www.nws.noaa.gov](http://www.nws.noaa.gov)) to be above 50° Fahrenheit for three consecutive days (72 hours) after release (including the day of relocation). If release of tortoises cannot be accomplished within 72 hours of capture, then capture activities must not be initiated.***

***Task IX      Gopher Tortoise Mitigation Bank Fee***

HSE will pay the mitigation bank fees associated with the project directly to the mitigation bank and will contract directly with the GTMB. The Florida Inland Navigation District (FIND) agrees to pay the invoices within twenty (20) days of gopher tortoise delivery to the GTMB. The estimated cost is \$6,000.00 per adult and juvenile tortoises are free with an adult delivered to the mitigation bank. The estimated gopher tortoise population is eighteen (18). HSE will apply to move twenty (20) gopher tortoises.

***Task IX Costs:                      Estimated Fee To Be Paid by FIND to HSE within 20 days of gopher tortoise delivery to the GTMB.***

***\$6,000.00\* each for twenty (20) tortoises = Maximum \$120,000.00***

***\*Please note: This number will be dictated by the number of tortoises actually captured and delivered to the GTMB. All fees are due within 30 days of delivery, but all tortoises will not be***

delivered on the same day.

**Task X**      **Gopher Tortoise Preparation and Transportation\***

HSE will mark, weigh and measure the tortoises according to protocol, and transport the captured gopher tortoises to the approved gopher tortoise mitigation bank according to FFWCC regulations.

**Task X Costs: Marking:**      **\$500.00**      **Lump Sum**

**Transportation:**      **\$325.00**      **Per Trip**

**\*Please note: Final cost will be dependent upon the number of trips to the mitigation bank necessary.**

**Task XI**      **FFWCC Gopher Tortoise After Action Report**

HSE biologist will complete the after-action report and submit to FFWCC according to the permit conditions. The permit will be left 'open' until construction is completed in case additional or free roaming gopher tortoises are located during construction activities. If, however, the number of tortoises relocated equals the number of tortoises permitted for relocation, the permit will be closed.

**Task XI Cost:**      **\$250.00**      **Lump Sum**

<b>Task #</b>	<b>Task Description</b>	<b>Fees Paid to HSE</b>	<b>Fees Paid Directly by Client to FWC or Mitigation Bank</b>
<b>II</b>	<b><i>FWC GT Relocation Permit Application</i></b>	<b><i>\$1,500.00</i></b>	<b><i>\$0.00</i></b>
<b>III</b>	<b><i>GT Mitigation Contribution to FWC</i></b>	<b><i>\$0.00</i></b>	<b><i>\$5,499.00</i></b>
<b>IV</b>	<b><i>GT Mitigation Bank Coordination</i></b>	<b><i>\$250.00</i></b>	<b><i>\$0.00</i></b>
<b>V</b>	<b><i>On-site Meeting with FWC</i></b>	<b><i>\$650.00</i></b>	<b><i>\$0.00</i></b>
<b>VI</b>	<b><i>Re-survey (if necessary)</i></b>	<b><i>\$7,821.00</i></b>	<b><i>\$0.00</i></b>
<b>VII</b>	<b><i>GT Bucket Trapping</i></b>	<b><i>\$3,740.00</i></b>	<b><i>\$0.00</i></b>
<b>VIII</b>	<b><i>GT Burrow Excavation</i></b>	<b><i>\$14,850.00</i></b>	<b><i>\$0.00</i></b>
<b>IX</b>	<b><i>GT Mitigation Bank Fees</i></b>	<b><i>\$0.00</i></b>	<b><i>\$120,000.00*</i></b>
<b>X</b>	<b><i>GT Transportation, marking, weighing, etc*</i></b>	<b><i>\$825.00</i></b>	<b><i>\$0.00</i></b>



<b><i>XI</i></b>	<b><i>After Action Report</i></b>	<b><i>\$250.00</i></b>	<b><i>\$0.00</i></b>
	<b><i>Sub-Total Estimated Costs</i></b>	<b><i>\$29,886.00</i></b>	<b><i>\$125,499.00</i></b>
	<b><i>Total Estimated Costs</i></b>	<b><i>\$155,385.00</i></b>	

Work on Tasks II through XI above can begin within seven (7) working day of HSE's receipt of Notice to Proceed. Receipt by Consultant of one (1) fully executed copy of this agreement shall serve as Consultants Notice to Proceed. Your endorsement below will serve as agreement by Florida Inland Navigation District to compensate Hobe Sound Environmental Consultants, Inc. for services rendered in connection with this agreement.

HSE will complete Tasks II, IV, V, VII, and XI above for a lump sum fee of **\$21,240.00.**

Task VI will only be completed if necessary according to FFWCC guidelines.

Task III will be paid directly to FFWCC by the Client.

Task IX will be paid by the Client directly to the GTMB within 20 days of delivery of gopher tortoises to the Bank site. Please note that there will, most likely, be multiple deliveries.

Task X costs will be dependent upon the number of deliveries made to the GTMB.

### **STANDARD CONTRACT CONDITIONS**

Fees will be billed on a percent complete bases to Florida Inland Navigation District. All balances shall be due upon receipt. Fees shall be considered past due ten (10) days from billing date. A service charge of \$25.00 or 5% of check amount, whichever is greater, will be assessed to all accounts for any fees returned by bank as unpaid for any reason. At the discretion of HSE, the terms of this Agreement may be null and void if not accepted within thirty (30) days. Fees are subject to renegotiation if scope of professional services is not completed within six (6) months, or contract revised, whichever is shorter, due to delays beyond the Consultant's control.

In any litigation arising out of this Agreement, the prevailing party shall be entitled to recover reasonable attorneys' fees and costs, including those attorney fees and costs arising out of any appellate proceeding.

Thank you for selecting Hobe Sound Environmental Consultants, Inc. to assist with your environmental consulting needs. Please contact my office if you have any questions or comments regarding this proposal.

In any litigation arising out of this Agreement, the prevailing party shall be entitled to recover

reasonable attorneys' fees and costs, including those attorney fees and costs arising out of any appellate proceeding.

Thank you for selecting Hobe Sound Environmental Consultants, Inc. to assist with your environmental consulting needs. Please contact my office if you have any questions or comments regarding this proposal.

ACCEPTED AND AGREED:  
AS TO FLORIDA INLAND  
NAVIGATION DISTRICT

AS TO HOBE SOUND  
ENVIRONMENTAL  
CONSULTANTS, INC.

By: \_\_\_\_\_

By:

Freda R. Posin, Senior Scientist

Date: \_\_\_\_\_

Date: 29 November 2022



August 22, 2018

Mr. Jason Andreotta  
Florida Department of Environmental Protection (FDEP)  
Southeast District Office  
3301 Gun Club Road; MSC 7210-1  
West Palm Beach, FL 33406

RE: 06-0283683-002, 004, 006, 007 Modification Request  
Florida Inland Navigation District; Broward County Intracoastal Waterway Deepening

Mr. Andreotta:

On behalf of the Florida Inland Navigation District (FIND), Taylor Engineering respectfully requests an extension of the August 15, 2019 expiration date (as specified in File No. 06-0283683-006) to August 15, 2024. The rationale for the five-year extension request — tied to pending utility relocation — is outlined below.

Due to presence of submerged utility lines owned by Florida Power & Light (FPL) and American Telephone & Telegraph (ATT) during the 2016-17 project construction, the dredging contractor was unable to complete two sections of the Intracoastal Waterway (ICWW) deepening project in vicinity of the Swimming Hall of Fame (Cut BW-39, Station 87+50 to 88+50) and Las Olas Boulevard (Cut BW-39, Station 102+64 to 104+05). To avoid impacts to the utility lines, the dredging contractor maintained a 50-ft buffer from the utility lines that effectively left two “humps” of material (totaling approximately 4,100 cy) in the deepened channel (Attachment 1). The humps are apparent in the post-construction bathymetric survey submitted via e-mail to FDEP on June 13, 2017.

Based on August 2018 communication with FPL and ATT, neither company has completed the utility line relocations necessary to allow deepening the ICWW in the two hump sections. Though FPL completed relocation of its utility line in April 2018, it does not expect to remove the abandoned duct bank until fall of 2018. Due to the construction of the City of Ft. Lauderdale parking garage, ATT is in the process of redesigning the utility crossing and modifying its permits for the third time to reroute the deepened line south of the Las Olas Boulevard Bridge. Project construction for the ATT line is not expected to occur until January 2019 at the earliest. Since FIND will wait to remove the remaining hump material until (1) both FPL and ATT have completed their relocation projects and (2) FIND can combine ICWW dredging with another dredging project in the vicinity, we request a five-year extension.

Please contact me directly should you have any questions regarding this request.

Sincerely,

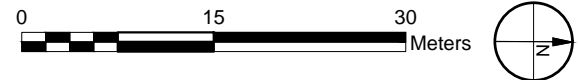
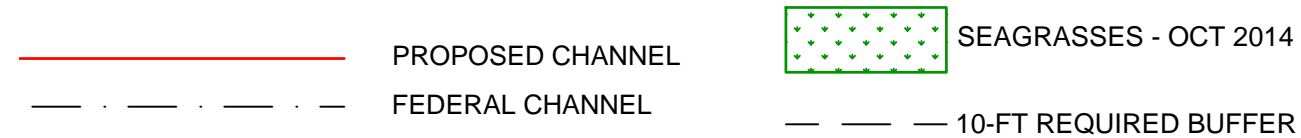
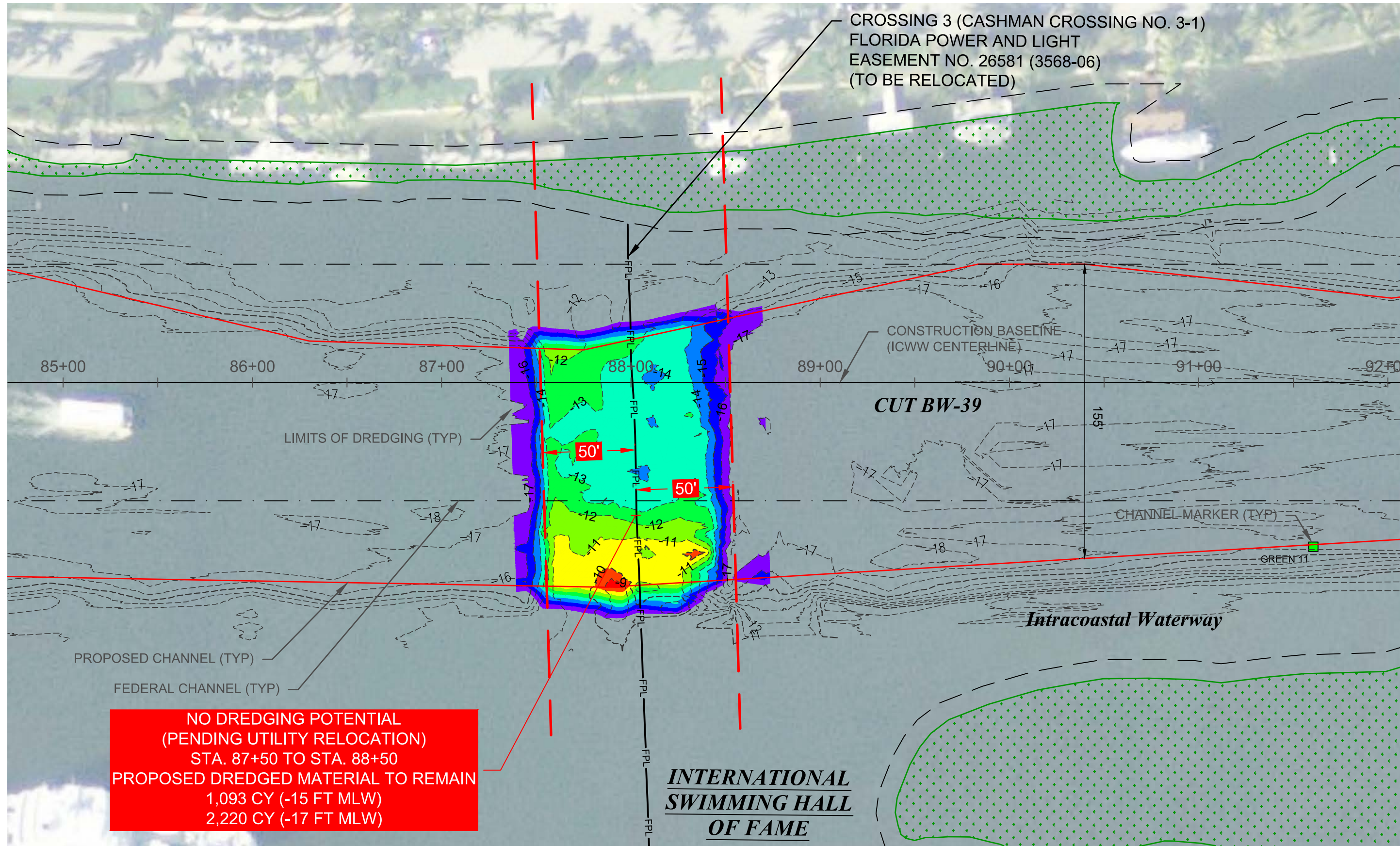
Lori S. Brownell, P.E.  
Director, Waterfront Engineering

Attachment

Cc: Mr. Mark Crosley, Florida Inland Navigation District



CATHY SHELL X:\SYS\PROJECTS\2005-076 BROWARD COUNTY DEEPENING\FIGURES\2005-076-F-UTILITY DREDGING.DWG 8/21/2018 11:04:34 AM



PROJECT	C2015-051
DRAWN BY	CAS
SHEET	1 of 4
DATE	AUGUST 2018

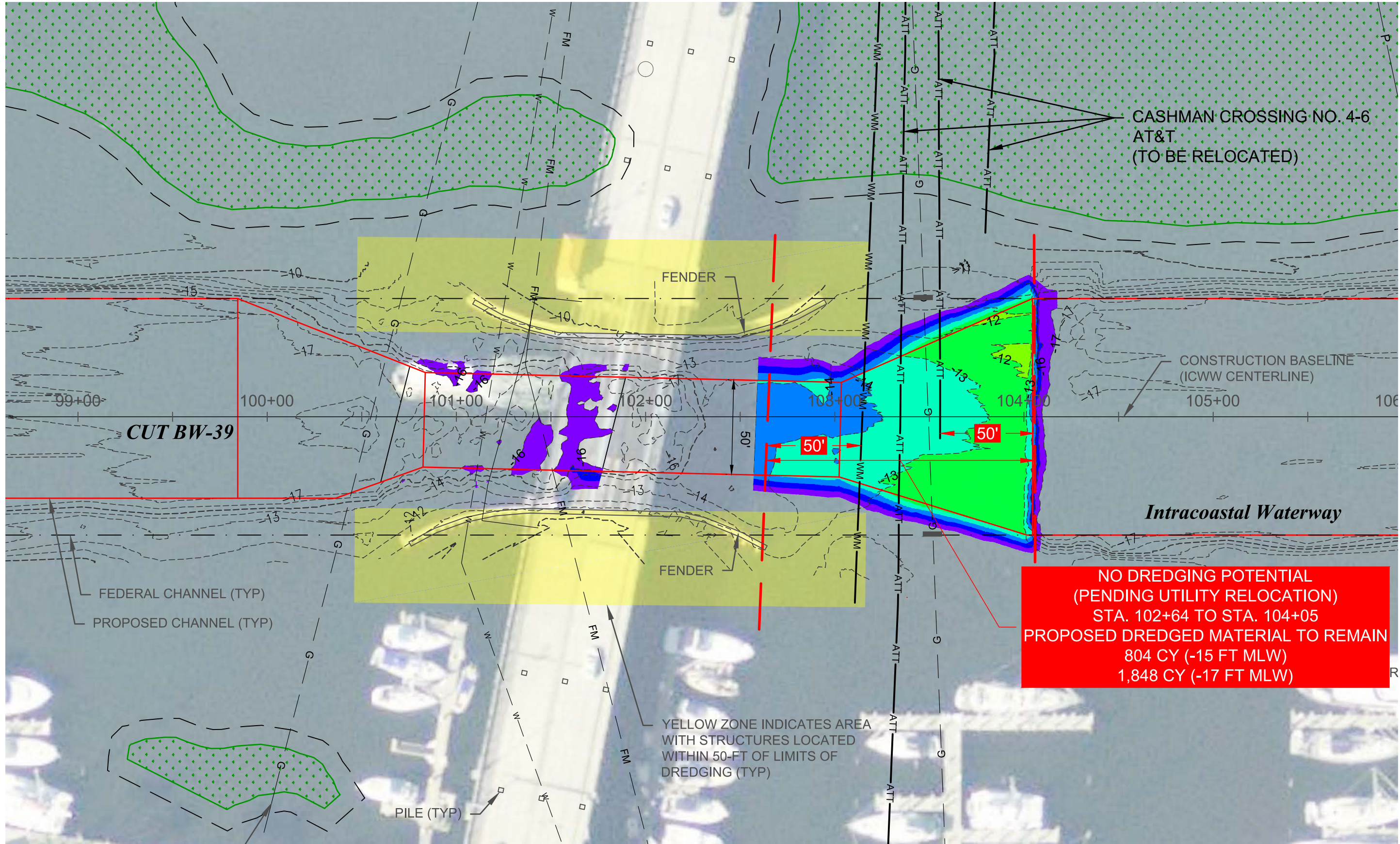
FIGURE 1  
POST-CONSTRUCTION BATHYMETRIC SURVEY IN VICINITY OF FPL UTILITY CROSSING  
INTRACOASTAL WATERWAY DEEPENING  
BROWARD COUNTY, FLORIDA

**TAYLOR ENGINEERING INC.**  
10199 SOUTHSIDE BLVD  
SUITE 310  
JACKSONVILLE, FLORIDA 32256  
CERTIFICATE OF AUTHORIZATION # 4815





CATHY SHELL X:\SYS\PROJECTS\2005-076 BROWARD COUNTY DEEPENING\FIGURES\C2015-051-F-UTILITY DREDGING.DWG 8/21/2018 11:04:39 AM



PROJECT C2015-051		FIGURE 2	
DRAWN BY CAS		POST-CONSTRUCTION BATHYMETRIC SURVEY IN VICINITY OF ATT UTILITY CROSSING	
SHEET 2 of 4		INTRACOASTAL WATERWAY DEEPENING	
DATE AUGUST 2018		BROWARD COUNTY, FLORIDA	

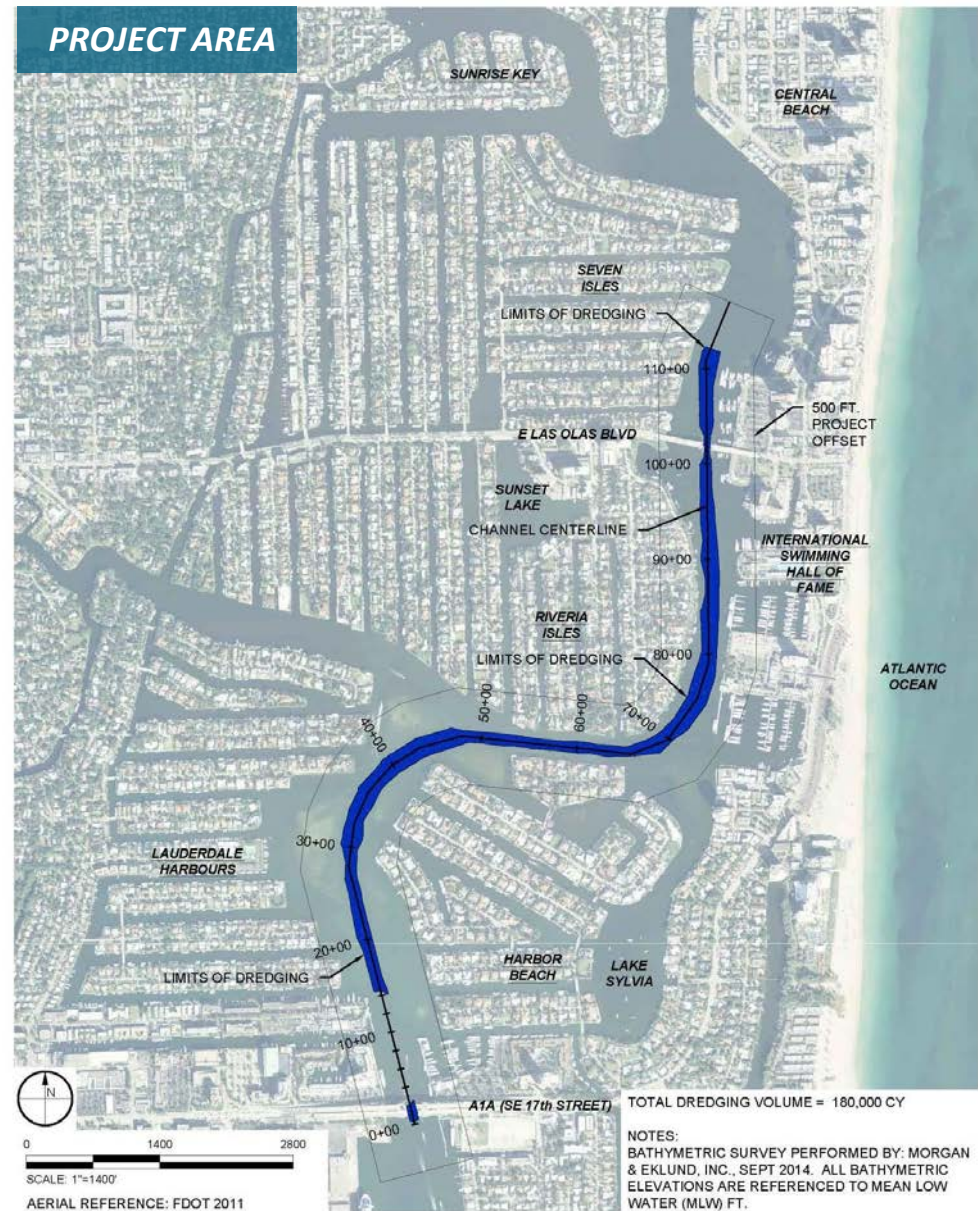
<b>TAYLOR ENGINEERING INC.</b>	
10199 SOUTHSIDE BLVD	
SUITE 310	
JACKSONVILLE, FLORIDA 32256	
CERTIFICATE OF AUTHORIZATION # 4815	



# PRESENTATION OUTLINE

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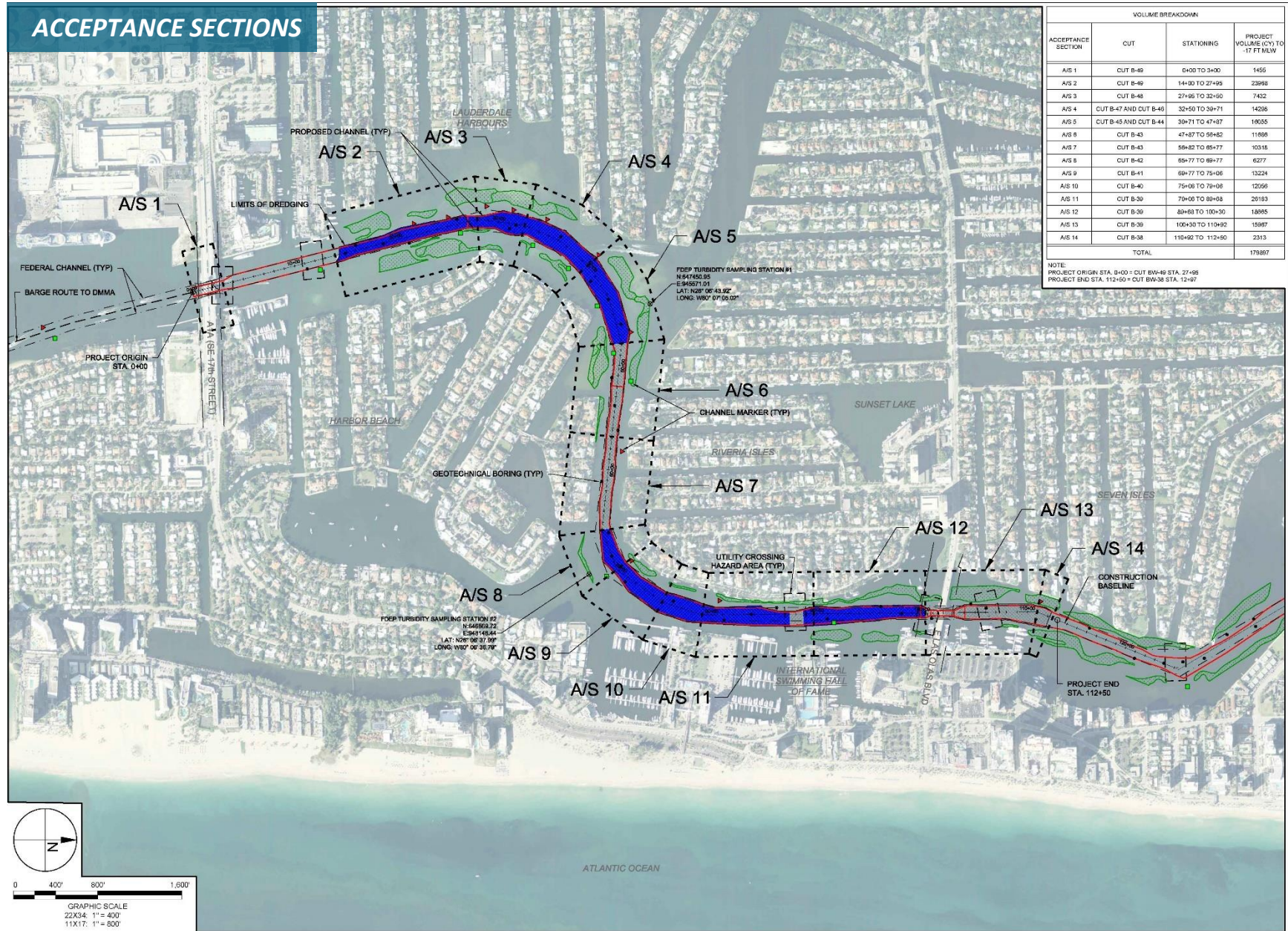
1. Overview
2. Project Components
  - a) Dredging
  - b) DMMA
  - c) Access Road
3. Utility Crossings
4. Permitting
5. Schedule





# PROJECT COMPONENTS – Dredging

72

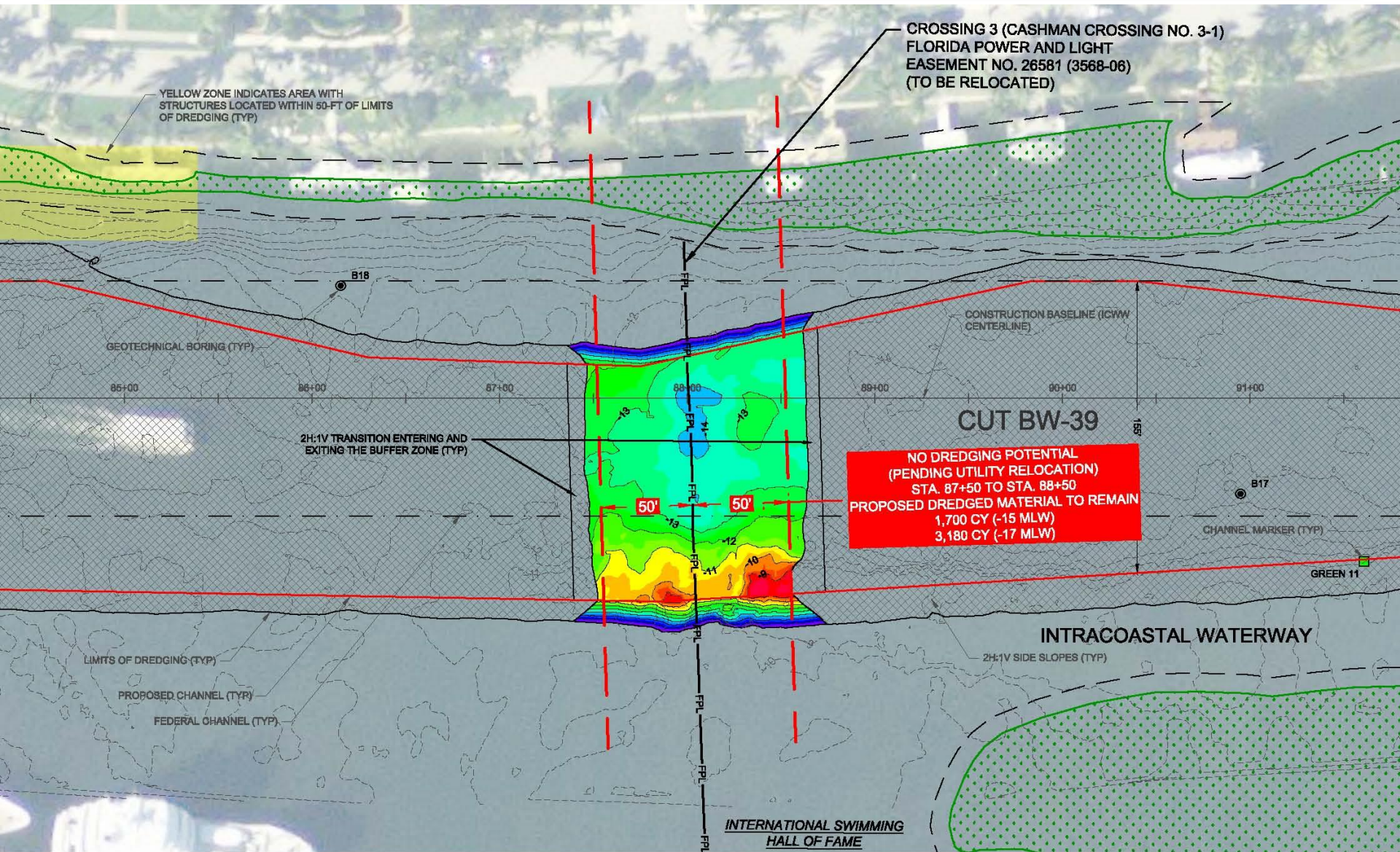


1. **6 UTILITY CROSSINGS WITHIN PROJECT TEMPLATE**
2. **Crossing No. 3: Swimming Hall of Fame (A/S No. 11):**
  - a) **FPL:** Subaqueous cable duct bank 5-9 inch concrete encased ducts at -14.5 to -17.1 feet MLW
3. **Crossing No. 4: Las Olas Boulevard (A/S No. 13 & Alternate Bid):**
  - a) **FDOT:** Group of 3 bridge switch cables at -11 to -17.5 feet MLW
  - b) **City of Ft. Lauderdale:** 16 inch water main at or above -18 feet MLW
  - c) **AT&T:** Six 4-inch conduit bundles at or above -16 feet MLW



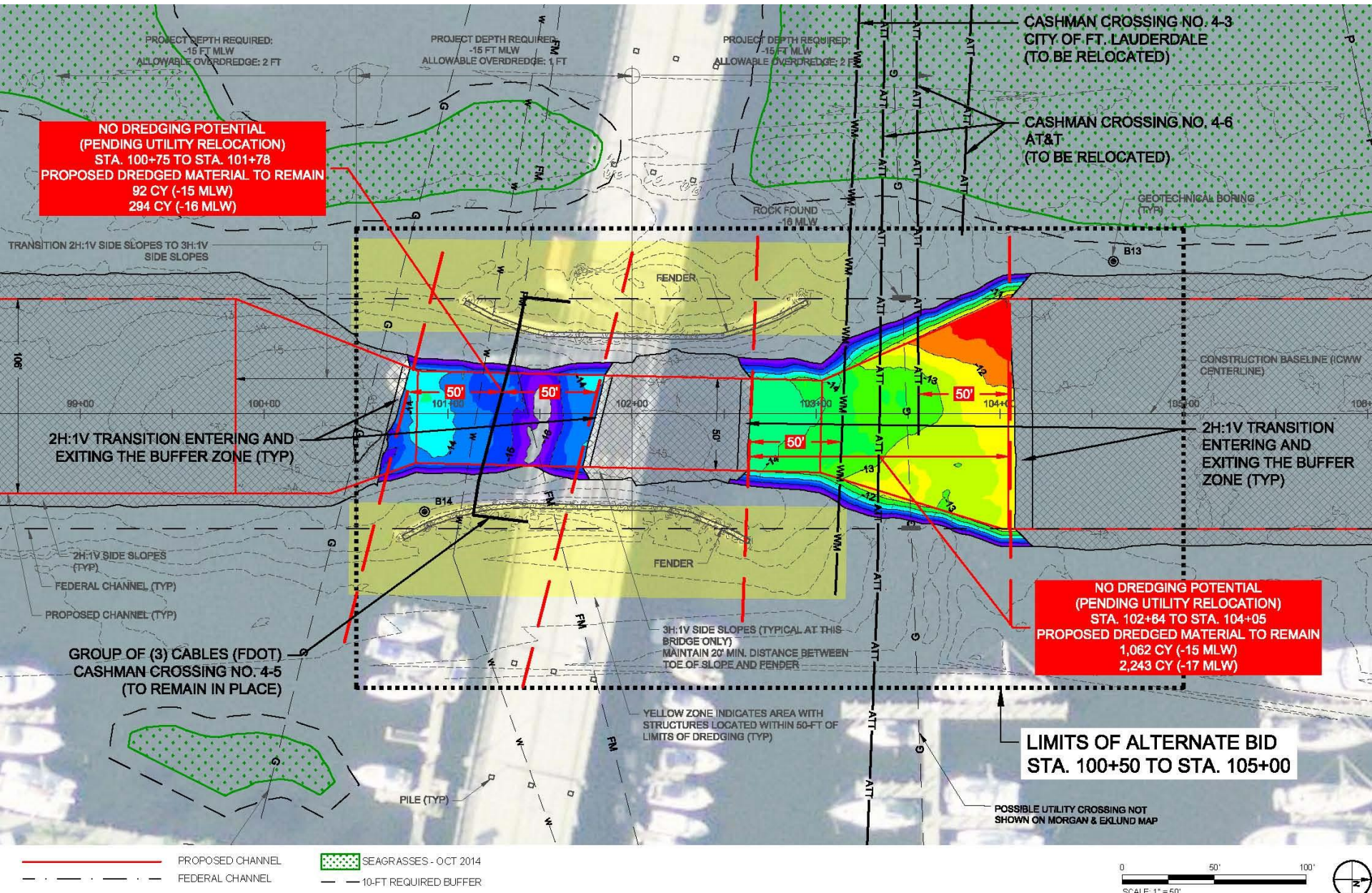
# UTILITY CROSSINGS – Swimming Hall of Fame

74





## 75







November 23, 2022

Mr. Mark Crosley  
Executive Director  
Florida Inland Navigation District  
1314 Marcinski Road  
Jupiter, FL 33477

Re: Annual Adjustment of Billing Rates

Dear Mr. Crosley:

Please find attached our proposed schedule of billing rates effective January 1, 2023 through December 31, 2023 (Attachment 1). Attachment 1 includes our currently effective rates for comparison and notes the percentage change with the proposed rate for each staff category. Variations in the percentage increase by labor category result from changes in staffing, such as new hires and promotions. As noted in Attachment 1, the average percentage increase in rates for 2023 is 6.4% for all staff and 6.8% for professional and technical staff. The engineering industry continues to realize full employment and labor shortages. The competition for qualified talent, especially in niche markets like coastal and water resources engineering, is driving salaries upward at a much faster pace than inflation. With inflation reaching a 40-year high of 8.5% in 2022, the pressure to increase salaries is overwhelming. In order to retain and attract the talent required to continue to provide you with quality service, we have had to respond to the market demand for increased salaries. For these reasons, we believe our requested rate increase is reasonable.

So that you can fairly evaluate our rates, we also include supporting documentation comparing our fully-burdened rates with industry averages (Attachments 2 and 3). Attachment 2 provides a comparison of the direct salaries included in our proposed rates with the Florida Department of Transportation's (FDOT) average negotiated rates for the period November 21, 2021 through November 20, 2022 and with the Zweig Group *2022 Salary Report of Northeast & South Atlantic Engineering Firms*. As noted in Attachment 2, our average proposed direct rates are 1.6% higher than the average FDOT rates and 4.4% higher than Zweig Group rates. Considering that the data from the Zweig Group is based on 2021 salaries, we feel that our direct rates for 2023 are fair and reasonable.

Furthermore, Attachment 3 provides average overhead rates, as audited by the FDOT from 2018 to 2020, which is the most recently published data. The average FDOT home office overhead rate is 169.62%. For comparison purposes, our proposed overhead rate is 175% of direct labor, which is reflected in the burdened rates included in Attachment 1. Therefore, we feel that our overhead rate is also fair and reasonable.

Finally, our fully-burdened rates in Attachment 1 include our standard 12% profit. This is the standard profit we charge our clients and the profit on labor the FIND has granted us in the past. As previously authorized by the FIND, we include a 10% fee on subcontractor and other direct costs.

Mark Crosley  
November 23, 2022  
Page 2 of 2

Thank you for your consideration of this request. Please let me know if I can answer any questions.

Sincerely,



James N. Marino, P.E., D.CE  
President

Attachments

lar



## ATTACHMENT 1

**TAYLOR ENGINEERING, INC.**  
**PROPOSED HOURLY RATES FOR**  
**FLORIDA INLAND NAVIGATION DISTRICT**

Effective Date: 1/1/2023  
Expiration Date: 12/31/2023  
Fee on Subconsultants & ODC's: 10%

<b>Labor Category</b>	<b>Current Burdened Hourly Rate</b>	<b>Proposed Burdened Hourly Rate</b>	<b>% Change</b>
R. Bruce Taylor, Ph.D.	\$ 315.00	\$ 325.00	3.2%
President	275.00	300.00	9.1%
Vice President/Principal	247.00	268.00	8.5%
Senior Advisor	257.00	269.00	4.7%
Program Manager	220.00	232.00	5.5%
Senior Professional*	199.00	210.00	5.5%
Project Professional*	159.00	168.00	5.7%
Staff Professional*	120.00	125.00	4.2%
Senior CAD Designer*	152.00	170.00	11.8%
Staff CAD Designer*	90.00	95.00	5.6%
Senior GIS Specialist*	171.00	183.00	7.0%
Project GIS Specialist*	115.00	123.00	7.0%
Staff GIS Analyst*	80.00	86.00	7.5%
Administrative/Intern	66.00	70.00	6.1%
Average Billing Rate — All Staff	176.14	187.43	6.4%
Average Billing Rate — Professional & Technical Staff	135.75	145.00	6.8%

\*Included in calculation of *Average Billing Rate — Professional & Technical Staff*

## ATTACHMENT 2

**Taylor Engineering, Inc.**  
**Comparison of Proposed Rates to FDOT Average Negotiated Rates**  
**and Zweig Group Average Salaries**

<b>Labor Category</b>	<b>Direct Rate Proposed</b>	<b>Equivalent FDOT Job Classification</b>	<b>FDOT Average Rate</b>	<b>Equivalent Zweig Group Classification</b>	<b>Zweig Average Rate</b>
R. Bruce Taylor, Ph.D.	105.52	No comparison		No Comparison	
President	97.40	Principal Engineer	96.95	President	104.77
Vice President/Principal	87.01	Chief Engineer 1	86.48	Vice President	83.81
				Executive VP	106.69
Senior Advisor	87.34	Chief Engineer 2	88.78	Principal	83.05
Program Manager	75.32	Project Manager 3	83.09	Department Manager	63.39
Senior Professional	68.18	Senior Engineer 1	72.55	Associate	62.47
Project Professional	54.55	Engineer 1	47.50	Project Manager	51.55
		Engineer 2	61.74		
Staff Professional	40.58	Engineering Intern	35.67	Entry Level Engineer	29.73
				Project Engineer	37.93
Senior CAD Designer	55.19	Senior Designer	45.99	CAD Manager	37.52
Staff CAD Designer	30.84	CADD/Computer Tech	27.84	Engineering Technician	28.02
Senior GIS Specialist	59.42	GIS Specialist (75th Percentile)	45.39	GIS Associate	56.33
Project GIS Specialist	39.94	GIS Specialist (Mean)	38.84	GIS Project Manager	45.54
Staff GIS Analyst	27.92	GIS Specialist (25th Percentile)	30.78	GIS Entry Level	30.10
Administrative/Intern	22.73	Secretary/Clerical	27.80	Administrative Assistant	23.02
Average Rate <sup>1</sup>	<b>57.42</b>	Average Rate <sup>1</sup>	<b>56.52</b>	Average Rate <sup>1</sup>	<b>54.99</b>

<sup>1</sup> Average Rate excludes categories that have no comparison to FDOT & Zweig Group job classifications.

### Attachment 3

#### Current Averages for Audited Overhead, Expense and Facilities Capital Cost of Money (FCCM) Rates

Updated: November 7, 2022

<u>RATE</u>	<u># OBS.</u>	<u>HIGH</u>	<u>LOW</u>	<u>MEAN</u>
Home Office Overhead	900	242.04%	109.21%	169.62%
Field Office Overhead	488	174.06%	80.64%	125.09%
Home Office Expense	736	24.77%	0.33%	6.26%
Field Office Expense	405	28.61%	0.70%	10.05%
FCCM	839	1.72%	0.03%	0.39%

The averages were calculated using three years' worth of audit data, after eliminating the highest and lowest 5%. Self-certified rates, interim rates, and rates determined from job cost accounting system reviews were also eliminated from the calculations, since they are unaudited rates.

The average overhead, expense, and FCCM rates are to be used for comparatively assessing consultant cost control efforts, in accordance with Section 5.0, Negotiation of Operating Margin.

The averages will be used as caps on maximum awarded overhead (indirect costs) rates for firms who submit unaudited rates, including interim reimbursement rates, self-certified reimbursement rates, and job cost accounting system review reimbursement rates for use on professional services contracts.





November 29, 2022

## Monthly Report for the Florida Inland Navigation District

**TO:** Mark Crosley, Executive Director  
Janet Zimmerman, Assistant Executive Director

**FROM:** Jim Davenport, Partner

### Fiscal Year 2023 Appropriations

President Joe Biden hosted House and Senate leaders today to discuss Congress's year-end to-do list. The main topic is finalizing fiscal year 2023 appropriations, which would come in the form of an omnibus spending package. All sides agreed that a year-long continuing resolution (CR) is the worst cast scenario. The current CR expires on December 16<sup>th</sup>, so Congress needs to work quickly, or pass another short-term CR, in order to wrap up FY23 negotiations.

As you recall, in late July the Senate Appropriations Committee posted all twelve appropriations bills on the Committee's website, though no mark-up is planned. The Senate Energy and Water Appropriations Bill includes the President's budget request of \$4.23 million for the Intracoastal Waterway. It also includes the following: \$25 million for Navigation Maintenance; \$15 million for Inland Waterways and \$56 million for Small, Subsistence or Remote Navigation

The House Energy and Water Appropriations legislation includes (1) \$6.23 million for the Intracoastal Waterway – \$4.23 million from the President's Budget Request (PBUD) + \$2 million requested by Rep. Brian Mast; (2) \$7.456 million for the Okeechobee Waterway - \$4.556 million from PBUD + \$2.9 million requested by Rep. Brian Mast; as well as the following: \$40 million for Navigation Maintenance; \$40 million for Inland Waterways and \$45 million for Small, Remote, or Subsistence Navigation.

As Congress begins conference negotiations on Energy and Water Appropriations legislation, we will work to secure \$6.23 million for the IWW, \$7.456 million for the OWW, and robust allocations for the mini pots.

Please contact me with any questions.