

**AGENDA  
TOWN OF JUPITER ISLAND  
BEACH PROTECTION DISTRICT MEETING  
WEDNESDAY, APRIL 22, 2026  
ISLAND ROOM – TOWN HALL – 2 BRIDGE ROAD  
1PM OR DIRECTLY FOLLOWING TOWN COMMISSION MEETING**

- 1. Mayor/Commissioner Comments\***
- 2. Public Comment\***
- 3. Consent Agenda**
  - a. Minutes of March 25, 2026, Beach Protection District Meeting
  - b. Monthly Finance Report
- 4. Annual Physical Monitoring Spending Authorization (GBA)**
- 5. Offshore Borrow Site Investigation Spending Authorization (GBA)**
- 6. Beach Status\***
- 7. Other Items\***

*\* No advanced materials provided*

**Town Commission**

Penny Townsend, Mayor  
Anne Scott, Vice Mayor  
Marshall Field VI, Commissioner  
Patricia Warner, Commissioner  
Joseph Taddeo, Commissioner

**Town Staff**

Town Manager, Robert Garlo  
Town Attorney, Kyle B. Teal  
Town Clerk, Kimberly Kogos

**STATE MANDATED STATEMENT**

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 will need a record of the proceedings, and that, for such purpose, he 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. Any person requiring a special accommodation at this meeting because of a disability or physical impairment should contact the Town prior to the meeting. Please contact the Town Hall, 2 Bridge Road, Hobe Sound, FL 33455, telephone (772) 545-0103.

**MINUTES  
TOWN OF JUPITER ISLAND  
BEACH PROTECTION DISTRICT MEETING  
WEDNESDAY, MARCH 25, 2026**

**TIME:** Wednesday, March 25, 2026 – 1:00 PM  
**PLACE:** Town Hall Island Room – 2 Bridge Rd., Hobe Sound, FL  
**PRESENT:** Present were Mayor Penny Townsend, Vice Mayor Anne Scott, and Commissioners Marshall Field VI, Patricia Warner and Joseph Taddeo. Also present were Town Manager Robert Garlo, Town Clerk Kimberly Kogos, Town Attorney Kyle B. Teal and IT Director Bill Sutton.

1. **Mayor/Commissioner Comments\***
2. **Public Comment\***
3. **Consent Agenda**

**MOTION:** *Vice Mayor Scott/Commissioner Field moved to approve the Consent Agenda as presented.*

**ACTION:** *Motion Passed 3-0.*

- a. Minutes of the February 25, 2026, Beach Protection District Meeting
- b. Monthly Finance Report

4. **Biological Monitoring Spending Authorization (APTIM)**

Director Duchock provided background information pertaining to Florida Department of Environmental Protection (FDEP) requirements for monitoring nearshore hard bottom within the vicinity of the north beach fill segment. He explained that the Town Commission approved engagement with APTIM in May 2024 to provide such biological monitoring services in the amount of \$643,648.30 for all five monitoring events.

Director Duchock explained that in accordance with the executed contract, APTIM has provided the scope of work for conducting post-construction monitoring of the nearshore hard bottom this summer. The total cost for the 2026 monitoring event is \$119,202.90. He noted that there is no Commission action required at this time, rather the report is for informational reference only.

5. **Annual Physical Monitoring Spending Authorization (GBA)\***

This item will be presented in April.

6. **Offshore Borrow Site Investigation Spending Authorization (GBA)\***

This item will be presented in April.

Discussion ensued regarding offshore borrow sites, permitting of such, and use of the borrow sites by

other municipalities. Director Duchock explained that this will be explained in more detail in April, although borrow sites may not be exclusive.

**7. Beach Status\***

Director Duchock provided a beach status report. He noted minor erosion along most of the nourished beach with a rolling beach face and scattered escarpment formations that are persistent in some locations. He noted potential hotspots including:

- 33 NB to the Public Beach
- Beach Club to 147 SB
- 400-460 SB
- 600 Block (Dune)

He announced the sea turtle nesting tabulations including 22 Leatherback nests in February and March, compared to 47 nests this time last year, with no other turtle nests at this time. He noted a significant wrack line forming that may be noticeable along the beach. He confirmed that the weeds reduce the turtle nesting in the area as the females look for a clearer place to nest. He mentioned that the Town is not required to mitigate the weeds, as they are naturally occurring.

**8. Other Items\***

Director Duchock announced that a significant amount of sargasm is gathering that may come ashore.

Mayor Townsend adjourned the meeting at 2:13pm.

Respectfully Submitted,

Kimberly Kogos, Town Clerk

BEACH EROSION DISTRICT  
 INTERIM BALANCE SHEET  
 PERIOD ENDING 3/31/2026

GL Number	Description	Balance
Fund 101 - BEACH PROTECTION DISTRICT		
*** Assets ***		
101-000-101.000	CASH IN BANK-SEACOAST NATIONAL	645,626.74
101-000-101.001	MONEY MARKET-SEACOAST NATIONAL	1,671,370.21
101-000-101.152	INVESTMENT POOL	6,607,379.45
101-000-101.154	INVESTMENT- FL PALM	18,108,725.34
101-000-101.155	INVESTMENT-SBA	108,007.32
101-000-131.001	DUE FROM GENERAL FUND	167,035.15
101-000-133.002	DUE FROM FEMA	1,524,734.64
	Total Assets	28,832,878.85
*** Liabilities ***		
101-000-207.001	DUE TO GENERAL FUND	35,505.79
101-000-223.000	UNEARNED REVENUE	1,524,734.50
	Total Liabilities	1,560,240.29
*** Fund Balance ***		
101-000-280.001	NONSPENDABLE PREPAID	1,246.78
101-000-284.000	FUND BALANCE	27,271,391.78
	Total Fund Balance	27,272,638.56
	Total Liabilities And Fund Balance	28,832,878.85

BEACH EROSION DISTRICT  
 INTERIM REVENUE AND EXPENDITURE REPORT  
 PERIOD ENDING 3/31/2026

GL NUMBER	DESCRIPTION	2025-26		YTD BALANCE 03/31/2026	AVAILABLE BALANCE	% BGDGT USED
		ORIGINAL BUDGET	AMENDED BUDGET			
<b>Fund 101 - BEACH PROTECTION DISTRICT</b>						
Revenues						
Dept000						
101-000-311.000	AD VALOREM TAXES	3,655,318.00	3,655,318.00	3,420,318.52	234,999.48	93.57
101-000-331.391	FEMA REIMBURSEMENT	0.00	0.00	11,064,213.48	(11,064,213.48)	100.00
101-000-334.391	STATE GRANT-BEACH RENOURISHMENT	0.00	0.00	140,835.15	(140,835.15)	100.00
101-000-361.100	INTEREST	225,000.00	225,000.00	267,834.58	(42,834.58)	119.04
Total Dept 000		3,880,318.00	3,880,318.00	14,893,201.73	(11,012,883.73)	383.81
<b>TOTAL REVENUES</b>						
		3,880,318.00	3,880,318.00	14,893,201.73	(11,012,883.73)	383.81
Expenditures						
Dept 211 - BEACH PROTECTION ADMINISTRATION						
	PERSONNEL AND BENEFITS	284,870.00	284,870.00	122,597.07	162,272.93	43.04
	OPERATING	284,520.00	284,520.00	85,104.77	199,415.23	29.91
Total Dept 211 - BEACH PROTECTION ADMINISTRATION		569,390.00	569,390.00	207,701.84	361,688.16	36.48
Dept 221 - BEACH PROTECTION PROJECTS						
Total Dept 221 - BEACH PROTECTION PROJECTS		3,310,928.00	3,310,928.00	72,556.93	3,238,371.07	2.19
<b>TOTAL EXPENDITURES</b>						
		3,880,318.00	3,880,318.00	280,258.77	3,600,059.23	7.22
<b>Fund 101 - BEACH PROTECTION DISTRICT:</b>						
<b>TOTAL REVENUES</b>						
		3,880,318.00	3,880,318.00	14,893,201.73	(11,012,883.73)	383.81
<b>TOTAL EXPENDITURES</b>						
		3,880,318.00	3,880,318.00	280,258.77	3,600,059.23	7.22
<b>NET OF REVENUES &amp; EXPENDITURES</b>						
		0.00	0.00	14,612,942.96	(14,612,942.96)	100.00

**TOWN OF JUPITER ISLAND****MEMORANDUM**

---

TO: Mayor & Town Commission

THROUGH: Robert Garlo, Town Manager *RG*

CC: Kimberly Kogos, Town Clerk

FROM: John Duchock, Asst. Town Manager/Beach District Director

RE: Agenda Item No. 4 - Annual Physical Monitoring (Gahagan & Bryant Associates, Inc.)

DATE: 4/9/2026

---

Background:

Under the Continuing Services Contract, the Town utilizes its consultants to perform specific work tasks in support of the Beach District's engineering and environmental support needs. Gahagan & Bryant Associates, Inc. (GBA) provides annual physical monitoring survey services and related reports as required by the Joint Coastal Permit issued by the State and Federal regulatory agencies. Under Task Order No. 26.2, GBA will perform topographic and hydrographic surveys along fifty-nine (59) beach profiles between R-68 and R-121, extending from the dune approximately 4,000 feet offshore at roughly 800-ft spacing. The Town's offshore borrow site will also be surveyed as part of this work effort. Additionally, surveys will be performed for the length of the dune restoration project between 601 and 619 South Beach Road (R-126 to R-127). All work will be conducted following accepted State and USACE standards. Survey data and maps will be furnished by GBA, along with a summary report documenting the changes in beach volume and shoreline position. This report is utilized by the State and the Town to understand the performance of the beach nourishment program and help plan for future beach nourishment needs.

Recommendation:

Town staff is seeking Commission approval and authorization for the Town Manager to execute Task Order No. 26.2 for completion of the Annual Physical Monitoring Survey by Gahagan & Bryant Associates in the amount of \$67,388.

**Gahagan & Bryant Associates, Inc.**  
3802 W. Bay to Bay Blvd., Suite B-22  
Tampa, Florida 33629  
(813) 831-4408 Fax (813) 831-4216  
info@gba-inc.com



April 2, 2026

Mr. John Duchock, PE  
Beach District Manager  
Town of Jupiter Island  
2 Bridge Road  
Hobe Sound, FL 33455

**RE: Scope of Services and Fee Proposal  
In Support of the Jupiter Island Beach Restoration Project  
2026 Annual Summer Beach Profile Survey**

Dear John,

Below please find the requested scope of work and fee schedule for the 2026 annual summer beach profile survey in support of the Jupiter Island Beach Restoration Project. The task will be performed on a lump-sum basis. The estimated proposed costs have been quoted, as detailed below.

**Task 26.2 ) 2026 Summer Beach Profile & Borrow Site Survey**

Topographic and hydrographic surveys shall be performed along fifty(50) beach profiles extending from the dune to approx. 4,000' offshore. The profiles are at an 800 foot spacing beginning at the Hobe Sound Wildlife Refuge parking lot and extending south to the Blowing Rocks Preserve. An additional nine(9) profiles will be surveyed from R-68 to R-76, north of the traditional survey area, to encompass the required 5,000' coverage north of the extended fill template footprint.

Fourteen(14) beach profiles at 100' spacing will also be performed south of the Blowing Rocks Preserve to document the beach condition in the 600 block. The surveys will be performed during the month of July to provide consistency with prior annual surveys and to provide for quality bathymetric data during the calmer summer sea state. The Town's Borrow Site B and Expansion Area will also be surveyed at 200' line spacing. The survey is expected to require 4 days of hydrographic surveying and 5 days of topographic surveying to complete the 73 beach profiles.

Bathymetric surveys will be performed by employing a fully automated hydrographic survey system, operated from a shallow draft survey vessel. Navigation and positioning for the offshore survey will be accomplished using an RTK Global Positioning System. All data will be recorded on the hard disk drive for post survey data reduction. Bar check calibration of the fathometer will be taken at the start and end of each survey day. Local water surface elevations will be determined daily and will be utilized as a quality control check of the RTK equipment set up. The survey data



will be collected in the NAVD88 datum. The bathymetric survey will be performed by procedures meeting USACE standards.

The survey data will be processed and input into a DTM and contours will be plotted. Survey mapping will be certified by a Florida registered engineer. The data shall be provided in plan view (with a plot of the bathymetric soundings and contours) and in cross-section overlain over previous surveys, and in electronic format in Adobe PDF and ASCII – XYZ formats.

A survey report shall be prepared documenting shoreline changes and erosion\accretion trends. Volumetric computations will be performed to document the erosion\accretion patterns over the entire survey area. The volumetric calculations will be broken down by station into the five regions as documented during past surveys. The position of the shoreline will tabulated at each beach profile station. Tables and graphs of the volume and shoreline data will be prepared and a summary report will be produced documenting erosion\accretion trends, shoreline changes, and long term annual erosion rates.

<b>Field Work &amp; Data Processing.....</b>	<b>\$45,644.00</b>
<b>Volumes and Shoreline Report.....</b>	<b>\$21,744.00</b>
<b>Task 26.2 - Annual Beach Profile &amp; Borrow Site Surveys.....</b>	<b>\$67,388.00</b>

The attached spreadsheet provides a breakdown of the estimated requisite labor and expenses. We trust that these quotes meet with your approval. Should you have any questions or require any additional information regarding this matter, please do not hesitate to call.

Best regards,

A handwritten signature in black ink that reads 'Clay Bryant'. The signature is written in a cursive, flowing style.

Clay M. Bryant, P.E.

Jupiter Island Beach Restoration Program

Task 26.2 - 2026 Summer Beach Profile & Borrow Site Surveys

**LABOR:**

Sr. Associate  
 Professional Surveyor/Mapper  
 Engineer II  
 Engineer I  
 Technician II  
 Technician I  
 Sr. Technician/Vessel Captain  
 CADD Operator

Labor Manhours		
Field Data Collection	Data Processing & Mapping	Data Analysis and Annual Report
0	0	10
0	2	0
0	0	80
0	16	10
58.5	40	24
94.5	0	0
45	0	0
0	44	40

	Unit	Unit Cost	Total
10	Manhours	\$ 266.00	\$2,660.00
2	Manhours	\$ 209.00	\$418.00
80	Manhours	\$ 141.00	\$11,280.00
26	Manhours	\$ 109.00	\$2,834.00
123	Manhours	\$ 101.00	\$12,372.50
95	Manhours	\$ 77.00	\$7,276.50
45	Manhours	\$ 136.00	\$6,120.00
84	Manhours	\$ 101.00	\$8,484.00
Total Labor:			\$51,445.00

**EQUIPMENT:**

Survey Level, Rods, Tools, Tapes  
 Trimble RTK GPS System  
 27' Survey Vessel Fully Founded  
 Computer, Plotter, Software  
 ATV  
 4x4 Truck  
 Survey Van, SUV

Equipment Usage Days		
8.5	0	0
8.5	0	0
4	0	0
4	5	10
4.5	0	0
6	0	0
10.5	0	0

8.5	Day	\$ 30.00	\$255.00
8.5	Day	\$ 200.00	\$1,700.00
4.0	Day	\$1,150.00	\$4,600.00
19.0	Day	\$ 25.00	\$475.00
4.5	Day	\$ 75.00	\$337.50
6.0	Day	\$ 95.00	\$570.00
10.5	Day	\$ 75.00	\$787.50
Total Equipment:			\$8,725.00

**EXPENSES:**

Crew Per Diem  
 Lodging  
 Supplies, misc.  
 Vessel fuel & supplies & dockage  
 Fuel

Expenses Days\Cost		
22	0	0
20	0	0
\$ 100.00	\$ -	\$ -
\$ 1,200.00	\$ -	\$ -
\$ 400.00	\$ -	\$ -

22	Manday	\$69.00	\$1,518.00
20	Manday	\$200.00	\$4,000.00
			\$100.00
			\$1,200.00
			\$400.00
Total Expenses:			\$7,218.00

**Survey Total: \$67,388.00**



## TOWN OF JUPITER ISLAND

### MEMORANDUM

---

**To:** Mayor & Town Commission

**Through:** Robert Garlo, Town Manager *RUG*

**CC:** Kimberly Kogos, Town Clerk

**From:** John Duchock, Asst. Town Manager

**RE:** Agenda Item No. 5 – Borrow Site Investigation

**Date:** 4/13/2026

---

Background:

Gahagan & Bryant Associates has completed the initial historical research and investigation permitting required by the State to begin offshore surveys and sampling within the proposed expanded borrow site. It is critically important that the Town continue the process of identifying and securing additional offshore sand sources for future beach renourishment projects. Completing the process requires that the Town conduct a series of remote sensing surveys utilizing magnetometer, high-resolution sub-bottom profiler, side-scan sonar, and multibeam sounder equipment. The information from the remote sensing surveys will be used to identify and characterize areas within the expanded borrow site to avoid and those to investigate further. Once the investigational areas are identified additional geotechnical field work, beyond this authorization request, will be required to collect, sample, and test bottom sediments.

It is noted that the timeline for both the field surveys and the subsequent geotechnical work may be completed during the 2026 summer. If achievable, this expedited process would enable the Town to potentially incorporate the expanded borrow site into a Joint Coastal Permit modification request (currently ongoing with the Federal agencies).

Recommendation:

Town staff is seeking Commission approval of the scope of work (Tasks 2-4) as presented by Gahagan & Bryant, under their existing contract, for a lump sum cost of \$377,962.

**Gahagan & Bryant Associates, Inc.**  
3802 W. Bay to Bay Blvd., Suite B-22  
Tampa, Florida 33629  
(813) 831-4408 Fax (813) 831-4216  
info@gba-inc.com



April 9, 2026

Mr. John Duchock, PE  
Beach District Manager  
Town of Jupiter Island  
2 Bridge Road  
Hobe Sound, FL 33455

**RE: Scope of Services and Fee Proposal  
In Support of the Jupiter Island Beach Restoration Program  
Geophysical and Cultural Resource Survey of Borrow Site B Southern Expansion Area**

Dear John,

Below please find the requested scope of work and fee schedule for the continuation of a sand search investigation of the southern portion of the Borrow Site B Investigation Area (Figure 1), to provide for securing and fully developing the available sand resources offshore of the Town. The work will include the performance of hydrographic and remote sensing surveys for the purpose of identifying submerged marine and cultural resources, along with the acquisition of sub-bottom profile data to characterize the depths and strata of the various borrow materials. The geophysical and cultural resource survey will be conducted over the entire proposed borrow area expansion to locate hardbottom communities, objects, vessels, or sites of potential prehistoric or historic significance. The fieldwork would be performed during a May-August timeframe, when offshore sea conditions are typically more favorable. The sand search is projected to require a one-year performance period through final permitting application. The estimated proposed cost for the performance of this investigation and preparation of reports and deliverables is detailed below.

**Task 2) Field Surveys:**

The field surveys are envisioned to be performed during the summer of 2026. To save additional mobilizations, the surveys will be performed from a larger research vessel so that multiple sensors may be deployed at the same time in order to accomplish the required data collection in one pass. The remote sensing surveys shall include a magnetometer, a high resolution sub-bottom profiler, side-scan sonar, and a multibeam sounder. The vessel positioning will be collected with real-time kinematic global positioning system (RTK-GPS). The high-resolution shallow seismic profiler records will provide data on the stratification of sediments below the seafloor and reveal the



presence of any buried objects or relic paleo channels. The sub-bottom data will be used to correlate with subsequent vibrocore data, to determine the continuity and volume of sand resources. The surveys will be conducted by trained and experienced geophysical technicians qualified to operate and interpret the magnetometer, side-scan sonar, multibeam, and sub-bottom profiler data, as well as to keep accurate horizontal positioning during the progress of the survey. GBA will subcontract with SEARCH, a licensed marine archaeology firm in Florida to oversee the cultural resource portion of the investigation. Final interpretation of the data and a report of the survey results will be prepared by a qualified marine survey archaeologist from the staff of SEARCH, to be presented to the State for future permitting support.

The surveys will be performed by employing a fully integrated hydrographic survey system, operated from a 54' survey vessel. The Town's State permit for the survey operations requires that the marine archaeologist from SEARCH be present aboard the vessel during survey data collection to provide oversight and quality control during survey operations. All data will be recorded on a hard disk drive for post survey data processing. The tidal data will be utilized as a quality control check of the RTK collected data and will be utilized in the processing of the multibeam data. The survey data will be collected in the NAVD88 datum. The bathymetric survey will be performed by procedures meeting USACE standards.

The surveys shall be performed along transects at a line spacing of 100 feet, resulting in a total survey distance of approximately 154 line miles, as shown in Figure 2. The field survey effort is estimated to require a 12 day duration, consisting of 10 working days to complete the survey lines, with an additional 2 days of weather related downtime. Upon the occurrence of significant magnetic anomaly clusters or patterns during the survey, a sufficient number of additional lines shall be run to insure any anomaly clusters are fully defined. The coordinates of all anomalies recorded during the survey shall be listed in a table and plotted on maps of sufficient scale and detail to allow for easy relocation should identification and evaluation studies or anomaly avoidance and preservation be required.

**Task 3) Data Processing and Preparation of Mapping:**

The multibeam survey data will be processed and input into a DTM and contours will be plotted. This data will also provide an accurate seafloor surface elevation for mapping and interpreting the sub-bottom profiler data. Survey mapping will be certified by a registered engineer. The data shall be provided in plan view (with a plot of the bathymetric soundings and contours), and in electronic format in Adobe PDF and ASCII – XYZ formats.

The collected side-scan sonar data shall be processed using SonarWiz software and a mosaic of the seafloor within the investigation area shall be produced. The side-scan records will be analyzed to identify any hardbottom features, debris, or unknown targets lying on the seafloor. The coordinate position and height above the seafloor of all identified targets shall be tabularized for evaluation.

The locations of submerged objects, relic river/creek channels, or other natural geomorphic features that are identified through evaluation of sub-bottom records shall be plotted to show their location and extent. Cross section mapping showing definable sediment strata shall be prepared and each identified target shall be plotted. Any small targets that produce hard echoes compared to the



normal background signal of the area being surveyed shall be identified and plotted.

**Task 4) Survey Report & Deliverables:**

A report detailing the results of the survey and collected data shall be prepared and submitted. The report will include analyses of the magnetometer and sub-bottom profiler data, mapping of anomalies and cross sections of the sub-bottom traces, magnetic anomaly data tables and location figures. The report shall also include a mosaic of the side-scan sonar data, detailing the location of any identified targets or hardbottom features.

The report shall note the nature of the proposed project, its location (including a project location map). The report will comply with those standards set forth in 1A-46, *Florida Administrative Code*. The methodology used for data collection shall be described and a discussion of survey equipment used, weather conditions, survey procedures, types of data collected, recording techniques, and any special analytical methods and techniques. The report will contain a brief discussion of the prehistory and history of the general area of the borrow area region, with specific reference to any known vessel losses in the area. This information will be used to correlate remote sensing data collected during the survey with potential prehistoric and historic archaeological sites.

The report will contain an inventory of all anomalies located by the side-scan sonar, magnetometer and sub-bottom profiler. Recommendations for additional evaluation of anomalies shall be provided with supporting documentation, which will include water depth to target, depth of burial, and types of equipment necessary to uncover and/or identify the target.

During the cultural resources survey, the State’s historical archives will be researched to provide information in the vicinity of the potential borrow sites and provide documentation of existing shipwrecks/artifacts. Appropriate buffers will be utilized to avoid disturbance of these areas. Contacts and anomalies identified during the side-scan sonar, magnetometer and sub-bottom surveys will be assessed for their cultural significance. Coordination with the SHPO on the survey results will provide for concurrence on identified anomalies and provide for adequate buffer distances to avoid their disturbance during future dredging activities. The report shall include a statement of conclusions on the location of potentially significant cultural resources, the need for any additional work to assess site significance, and measures to be taken to avoid/preserve or mitigate project impacts to identified or potentially significant site locations.

The estimated cost for the performance of the geophysical survey of the borrow site expansion area is given below:

<b>Task 2):Magnetometer, Sub-bottom, Side-scan Sonar, Multibeam Field Surveys.....</b>	<b>\$303,265</b>
<b>Task 3):Data Processing and Preparation of Mapping.....</b>	<b>\$ 34,973</b>
<b>Task 4):Data Analysis and Summary Reports .....</b>	<b>\$ 39,724</b>
<b>Total Geophysical Survey Cost.....</b>	<b>\$377,962 Lump Sum</b>

Scope of Services and Fee Proposal  
Geophysical and Cultural Resource Survey of Borrow Site B Southern Expansion Area  
April 9, 2026



The attached spreadsheet provides a breakdown of the estimated requisite labor, equipment, and expenses. We trust that this proposal meets with your approval. Should you have any questions or require any additional information regarding this matter, please do not hesitate to call.

Best regards,

A handwritten signature in black ink that reads 'Clay Bryant'. The signature is written in a cursive, flowing style.

Clay M. Bryant, P.E.

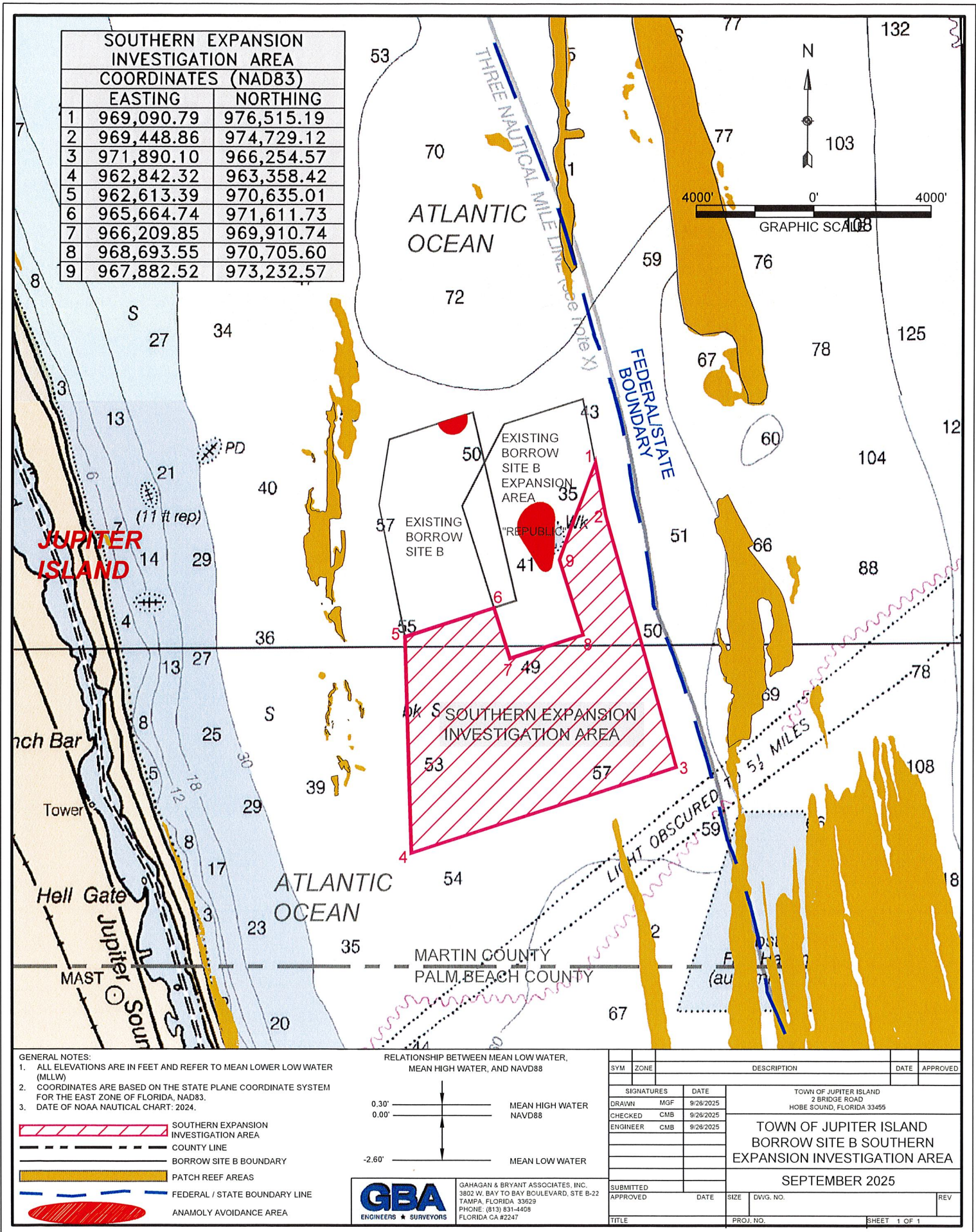


Figure 1). Overview of Investigation Area

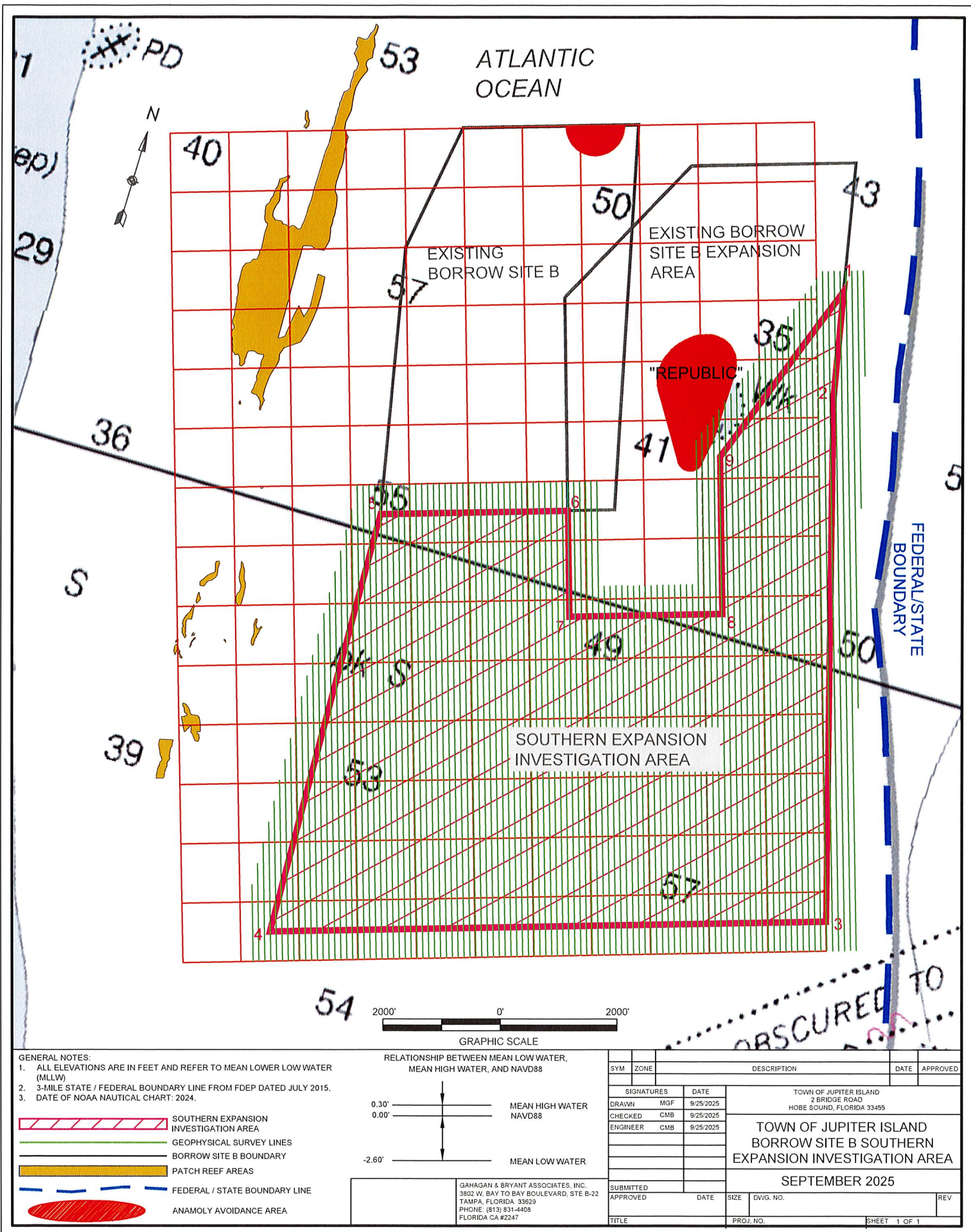


Figure 2). Geophysical Survey Line Coverage (154 line miles)

