

**AGENDA
TOWN OF JUPITER ISLAND
BEACH PROTECTION DISTRICT MEETING
TUESDAY, JUNE 10, 2025
ISLAND ROOM – TOWN HALL – 2 BRIDGE ROAD**

1. Consent Agenda

Category A- To be reviewed and approved (as is or as edited) by the Town Commission

a. Minutes of the May 19, 2025, Beach Protection District Meeting

2. Beach Status*

3. Offshore Borrow Sites (GBA)*

4. Long-Range Planning*

5. Draft 12-Year Financial Plan

6. 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, Thomas J. Baird

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
MONDAY, MAY 19, 2025**

TIME: Monday, May 19, 2025 – 11:15 AM
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 Thomas Baird and IT Director Bill Sutton.

1. Consent Agenda

MOTION: *Commissioner Warner/Commissioner Field moved to approve the Consent Agenda as listed.*

ACTION: *Motion Passed 5-0*

Category A- To be reviewed and approved (as is or as edited) by the Town Commission

a. Minutes of the April 15, 2025 Beach Protection District Meeting

2. Beach Status/Project Summary*

Director Duchock began by giving a summary of the Beach Restoration Project and explained the project finished on time on May 23, 2025. Updating the Turtle Nest count, he noted 672 Loggerhead nests, 325 Leatherback nests, and 1 Green Turtle nest. Commissioner Warner shared an experience of seeing a Leatherback on the beach with her family and interacting with the personnel responsible for tagging the turtles. Director Duchock then provided aerial photos of the refurbished beach and discussed the effects the project has had.

3. Annual Physical Monitoring (GBA)*

Director Duchock introduced Mr. Clay Bryant of Gahagan and Bryant who provided a presentation regarding the Annual Physical Monitoring Report. Mr. Bryant discussed the history of Jupiter Island's beaches and the attempts to maintain and restore them across several decades. The Commissioners asked questions regarding several pictures of previous seawalls. Mayor Townsend asked about the beach footage currently available on the north side of the Island. Mr. Bryant described the process of offshore borrowing of sand and renourishing the shore lines.

Mayor Townsend inquired how much sand was lost each year. Mr. Bryant commented that 1.5 million cubic yards of sand have been used to restore sections of the beachfront in 2025. He reviewed the amount of sand being used each year since 1973 and its fiscal costs, and discussed potential changes to the Florida state budget for beach restorations. Discussion ensued regarding the aesthetic and current health of the beach. Mr. Bryant provided several graphs depicting erosion trends and shoreline positions. He reviewed historical hurricanes and their effects on the beaches.

Mr. Bryant discussed current demands for sand restoration with a general cost of \$5 million per year in

sand replacement. He provided current photographs of the beach and described the positive health of the beachfront. Commissioner Warner expressed concerns about excessive seaweed.

Commissioner Warner excused herself from the meeting.

Commissioner Field asked about the longevity of the beaches if renourishment projects ceased due to lack of funding. Mr. Bryant expressed his concerns to the Commission.

Commissioner Scott excused herself from the meeting.

Mr. Bryant continued with pictures of the current beach.

4. Offshore Borrow Sites (GBA)*

Item not heard (due to time constraints for several Commissioners), although a brief discussion ensued regarding engaging with a federal lobbyist for FEMA funding.

5. Beach Protection District Financial Report

Item not heard.

6. Other Items*

There were no other items.

Mayor Townsend adjourned the meeting at 2:26pm.

Respectfully Submitted,

Kimberly Kogos, Town Clerk



Jupiter Island Beach Protection District

June 10, 2025



1.

Consent Agenda

Action: Motion to adopt the consent agenda, including submitted reports and meeting minutes of the May 2025 Beach Protection District.



2.

Beach Status

Beach Conditions:

- Escarpments – Isolated and limited escarpments at north end between 133 North Beach Road and the Refuge, as well as around 251 South Beach Road.
- Hot spots – No hot spot activity.
- Seasonal Profile – Transitioning from winter (steep) to summer (mild).
- Sea Conditions – Entering seasonally calm wind and wave patterns (10-15 kt winds with accompanying 2'-3' typical wave heights).
- Hurricane Season – Forecasting an above-average and active hurricane season for the Atlantic Basin.



Colorado State University Forecast for 2025 Hurricane Activity

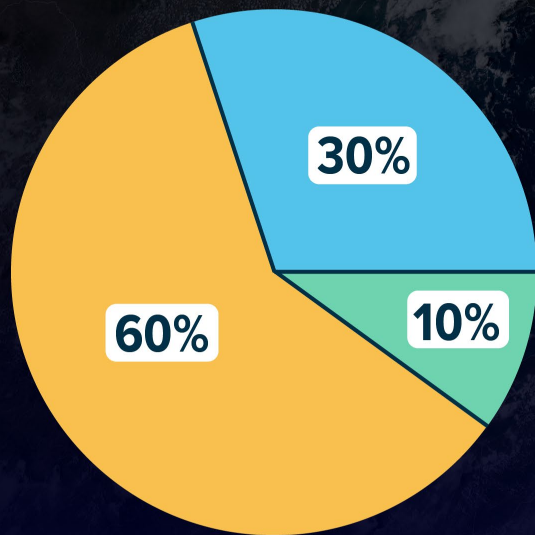
<https://tropical.colostate.edu/forecasting.html>

Forecast Parameters	CSU Forecast for 2025*	Average for 1991-2020
Named Storms (39-73 mph)	17	14.4
Named Storm Days	85	69.4
Hurricanes (Cat 1&2) (74-110 mph)	9	7.2
Hurricane Days	35	27.0
Major Hurricanes (Cat 3+) (111+ mph)	4	3.2
Major Hurricane Days	9	7.4



2025 Atlantic Hurricane Season Outlook

Season Probability



Above Normal **Near Normal** **Below Normal**

Named Storms
13 - 19

Hurricanes
6 - 10

Major Hurricanes
3 - 5

Crawl and Nesting Activity (2/6 to 5/31/25)



2.

Beach Status Turtle Nests Update

Loggerhead		Green Turtle		Leatherback	
Nests	False Crawls	Nests	False Crawls	Nests	False Crawls
1,764	2,752	14	20	373	60

Avg. Monthly Distribution of Sea Turtle Nests by Species							
Town of Jupiter Island, 2014-2022							
Month	<i>Loggerhead Nests</i>		<i>Green Turtle Nests</i>		<i>Leatherback Nests</i>		
	Month	Cumm	Month	Cumm	Month	Cumm	
January	0	0	0	0	0	0	
February	0	0	0	0	1	1	
March	0	0	0	0	21	22	
April	48	48	0	0	75	97	
May	1343	1391	31	32	93	190	
June	2034	3425	484	516	40	230	
July	1798	5223	835	1351	4	234	
August	398	5621	575	1926	0	234	
September	37	5659	75	2000	0	234	
October	0	5659	2	2002	0	234	
November	0	5659	0	2002	0	234	
December	0	5659	0	2002	0	234	



3.

Borrow Site Summary

Gahagan & Bryant Associates will present a brief history and summary of the Town's offshore borrow sites used for beach nourishment.



Major Beach Program Elements:

- Design – Implementation of feeder beach to the South Fill Section
- Performance – Continue to assess changes in shoreline position and design template volume changes
- Permitting – Completion of major modification to the USACE JCP to incorporate the South feeder beach section
- Regulatory Monitoring – Continue to monitor nearshore hardbottom (including Queen Conch), as well as nesting activity of sea turtles and shorebird in accordance with permit conditions
- Sand Supply – Track usage (including placement of inlet sand) of existing borrow site and initiate sand search for future offshore borrow site
- Inlet Management – Continue coordination with County and State to ensure bypass of sand from the inlet as established in the inlet management plan
- Funding – Evaluate future funding needs and sources (ad valorem, grants, disaster recovery) relative to future expenses through updates to the 12-year financial plan

4.

Long-
Range
Planning



Summary:

- Purpose - A 12-year financial plan provides a long-range projection of revenues and expenditures, including major capital expenses for construction of beach nourishment projects.
- The State requests a long-range financial plan as part of the FDEP beach management funding assistance program.
- Staff has prepared and maintained a 12-year financial plan, covering a time-period of two potential beach nourishment projects (at 6-year intervals).
- The 12-year plan is evaluated each year and adjusted to reflect the budget for the current fiscal year, as well as projected revenues and expenses.
- Projections of Beach Protection District reserves are used to evaluate future Ad Valorem needs and plan for future project expenditures, similar to a capital improvement plan.

5.

DRAFT 12-Year Financial Plan



Projected Revenues:

- Holding Ad Valorem rate at 0.9593 mils with assumed 3% annual property value increases will generate revenue for reserves (\$3.65M-\$5.06M each year).
- State grant funding through legislative actions and Local Government Funding Requests for beach management assistance are included (19% of project expenses).
- Disaster recovery funds from FEMA/FDEM are not included as future revenue.
- Cost share from Martin County for inlet bypass is not included.

Projected Expenses:

- Major Beach Projects: \$33M-\$40M (every 6 years)
- 600 Block Dune Projects: \$400k-\$600k (every 3 years)
- Project-related expenses: \$300k-\$800k (each year)
- Operating: \$550k-\$750k (each year)

Reserves:

- Decreasing from \$23M (FY26) to **-\$3m** (FY37)

5.

DRAFT
12-Year
Financial
Plan



Discussion:

- The financial plan represents a static snapshot in time and is updated annually to reflect current conditions and expectations moving forward.
- Holding current assumptions on property values/millage rate (primary revenue source) and limited state grant funding, reserves are projected to decrease over time.
- Based on all assumptions in the plan, increasing millage to around 1.4 mils over the next 12-years would allow reserves to remain at a steady level. Beyond 12 years, reserves may decrease over time.
- FEMA/FDEM funding for disaster recovery remains uncertain and will not be reflected as revenue until a signed agreement has been executed.
- The success of the Town's beach program is linked to the operation and maintenance of the St. Lucie Inlet. Future cost share agreements with Martin County may be advanced through a new interlocal agreement, broadening the potential sources of revenue for the future.

5.

DRAFT 12-Year Financial Plan



Monthly Ground Photo Stations



161 N Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 16 of 52 ¹³



141 N Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 17 of 52 ¹⁴



133 N Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 18 of 52 ¹⁵



71 N Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 19 of 52



45 N Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 20 of 52



Public Beach

June 2, 2024



Photographs taken
near mid-tide. Page 21 of 52



33 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 22 of 52



Beach Club

June 2, 2024



Photographs taken
near mid-tide. Page 23 of 52



149 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 24 of 52



167 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 25 of 52 ²²



185 S Beach Road

June 2, 2024



Photographs taken near mid-tide. Page 26 of 52 ²³



203 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 27 of 52 ²⁴



223 S Beach Road

June 2, 2024



Photographs taken near mid-tide. Page 28 of 52 ²⁵



251 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 29 of 52 ²⁶



255 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 30 of 52 ²⁷



299 S Beach Road

June 2, 2024



Photographs taken near mid-tide. Page 31 of 52²⁸



365 S Beach Road

June 2, 2024



Photographs taken near mid-tide. Page 32 of 52²⁹



400 S Beach Road

June 2, 2024



Photographs taken
near mid-tide. Page 33 of 52³⁰



450 S Beach Road

June 2, 2024



Photographs taken near mid-tide. Page 34 of 52 ³¹



613 S Beach Road

June 2, 2025



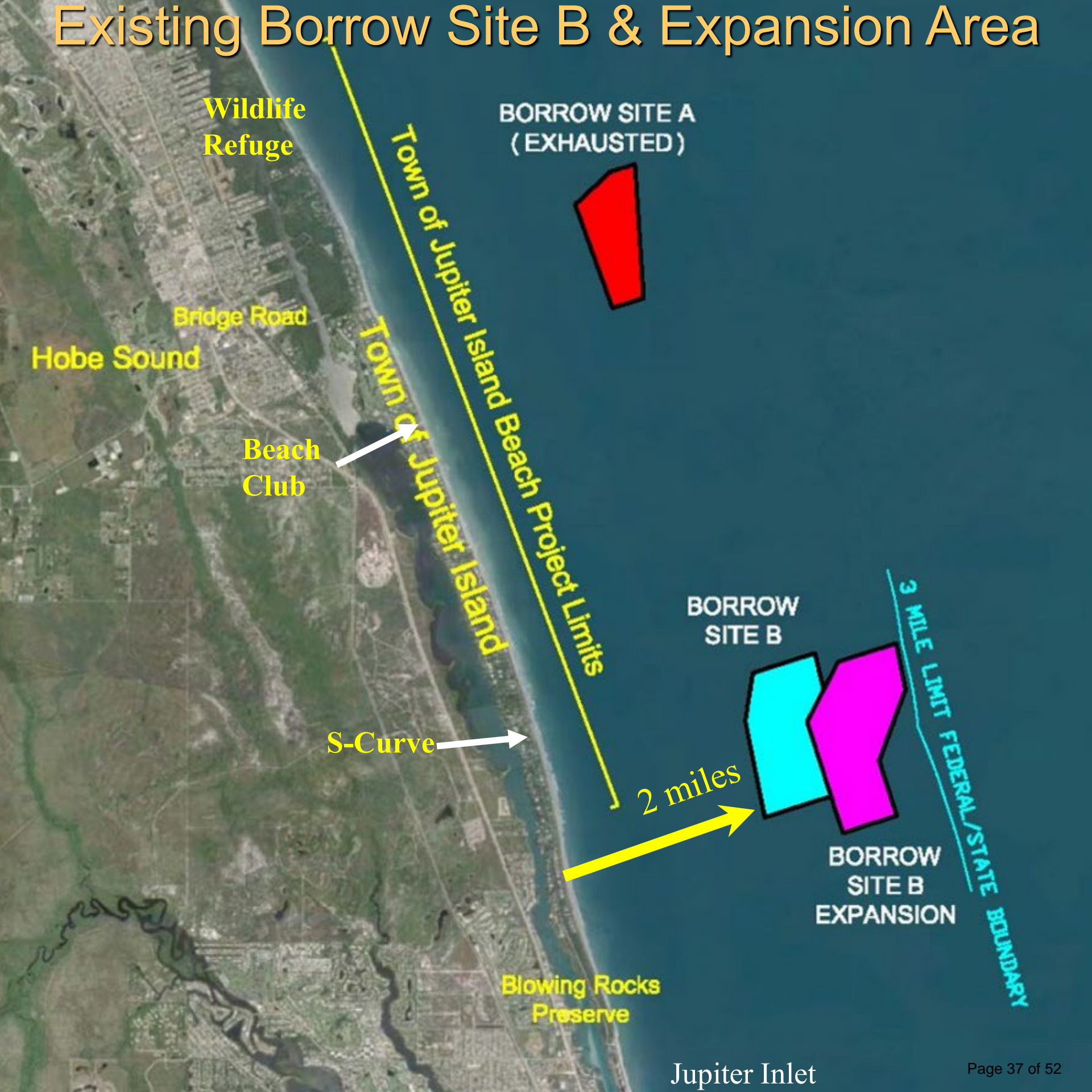
Photographs taken near mid-tide. Page 35 of 52 ³²

***Town of Jupiter Island
Beach Protection District***

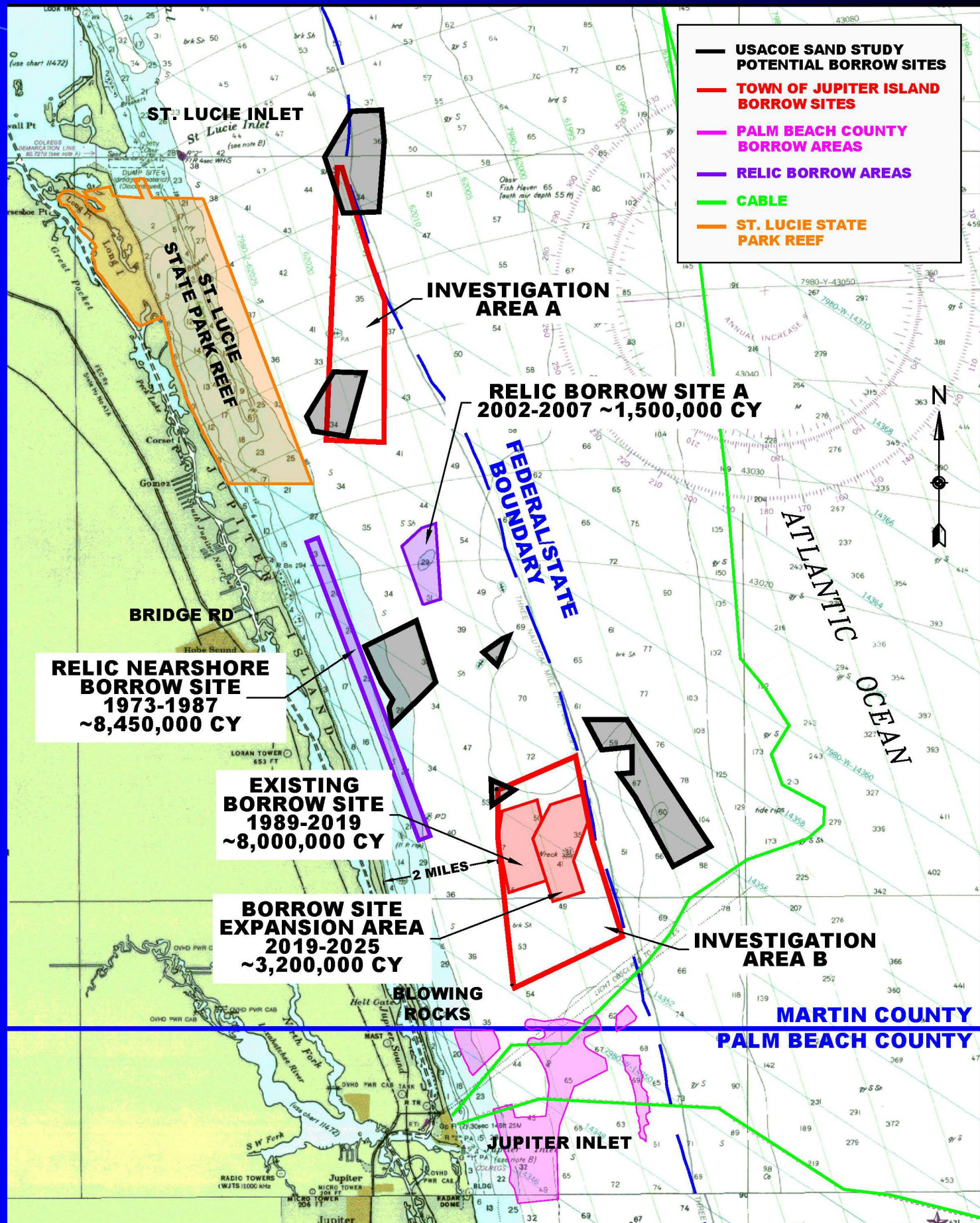
**Offshore Borrow Site
Status Update**

June 10, 2025

Existing Borrow Site B & Expansion Area

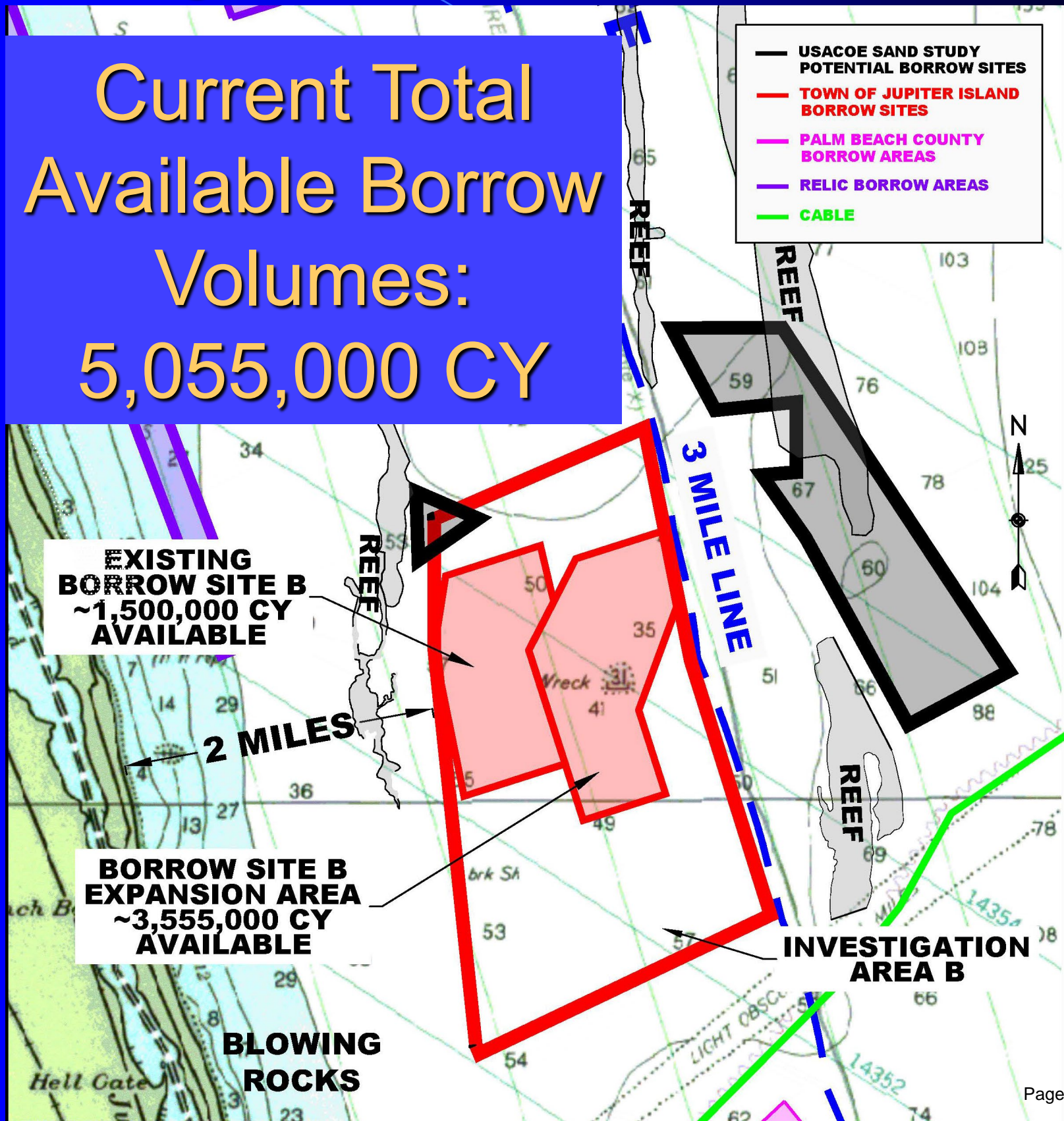


Existing & Relic Borrow Sites, & USACE Recon Areas



Existing Residual Borrow Volumes

Current Total
Available Borrow
Volumes:
5,055,000 CY



Borrow Site B & Expansion 2024 St. Lucie Inlet Placement 2025 TJI Borrow Excavation

ATLANTIC OCEAN

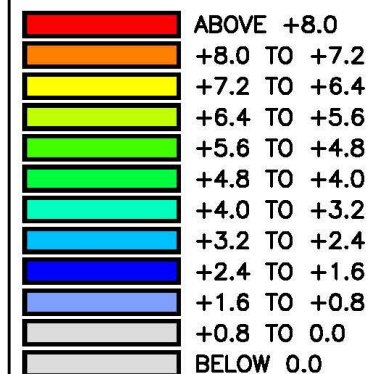
2025 TJI Beach
Restoration Excavation:
1,551,000 CY

ACCRETION (+) / EROSION (-)
IN FEET



BORROW SITE B EXPANSION AREA

ISOPACH LEGEND



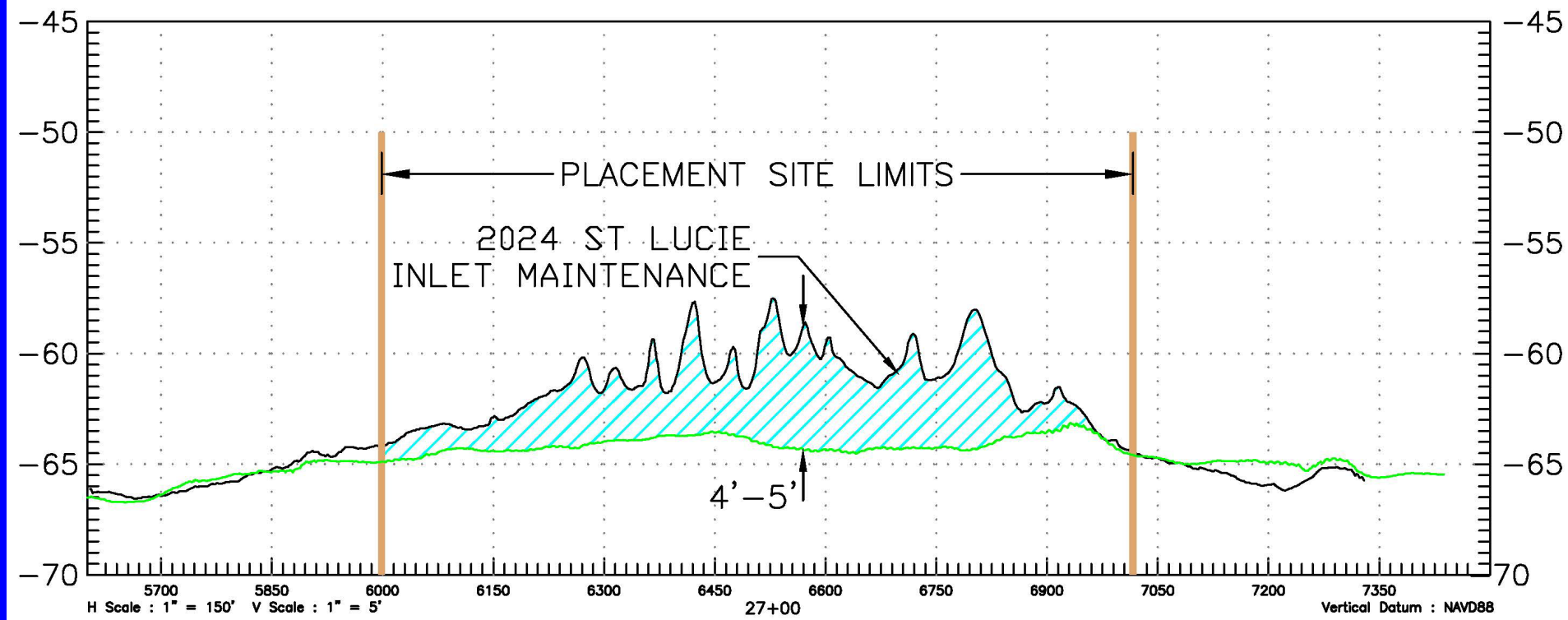
2024 USACE Placement:
308,000 CY

SITE B

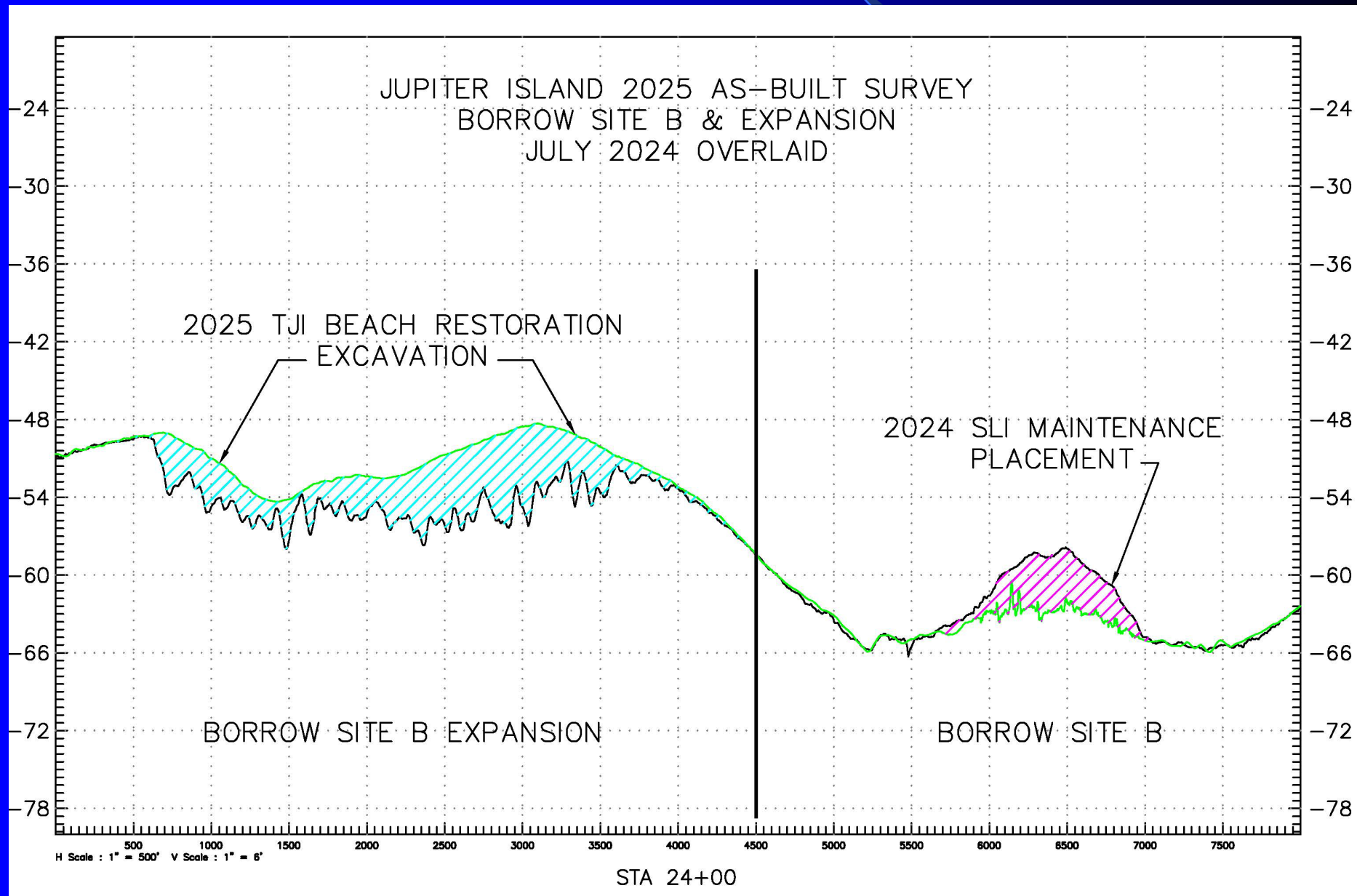
Borrow Site B

2024 St. Lucie Inlet Placement

JUPITER ISLAND BORROW SITE B
9.12.24 MB vs. JUNE 2024 MB

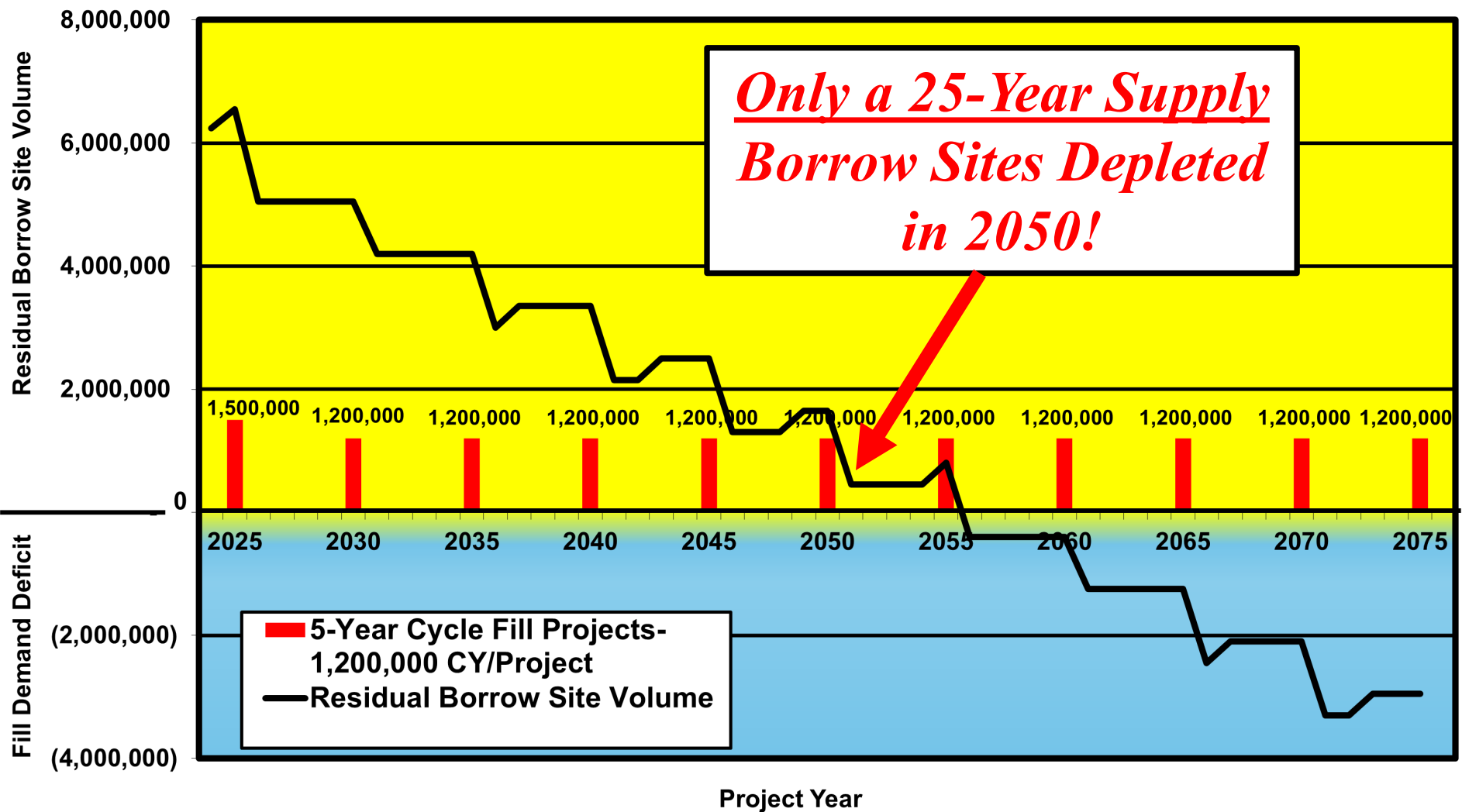


Borrow Site B Expansion 2025 TJI Borrow Excavation



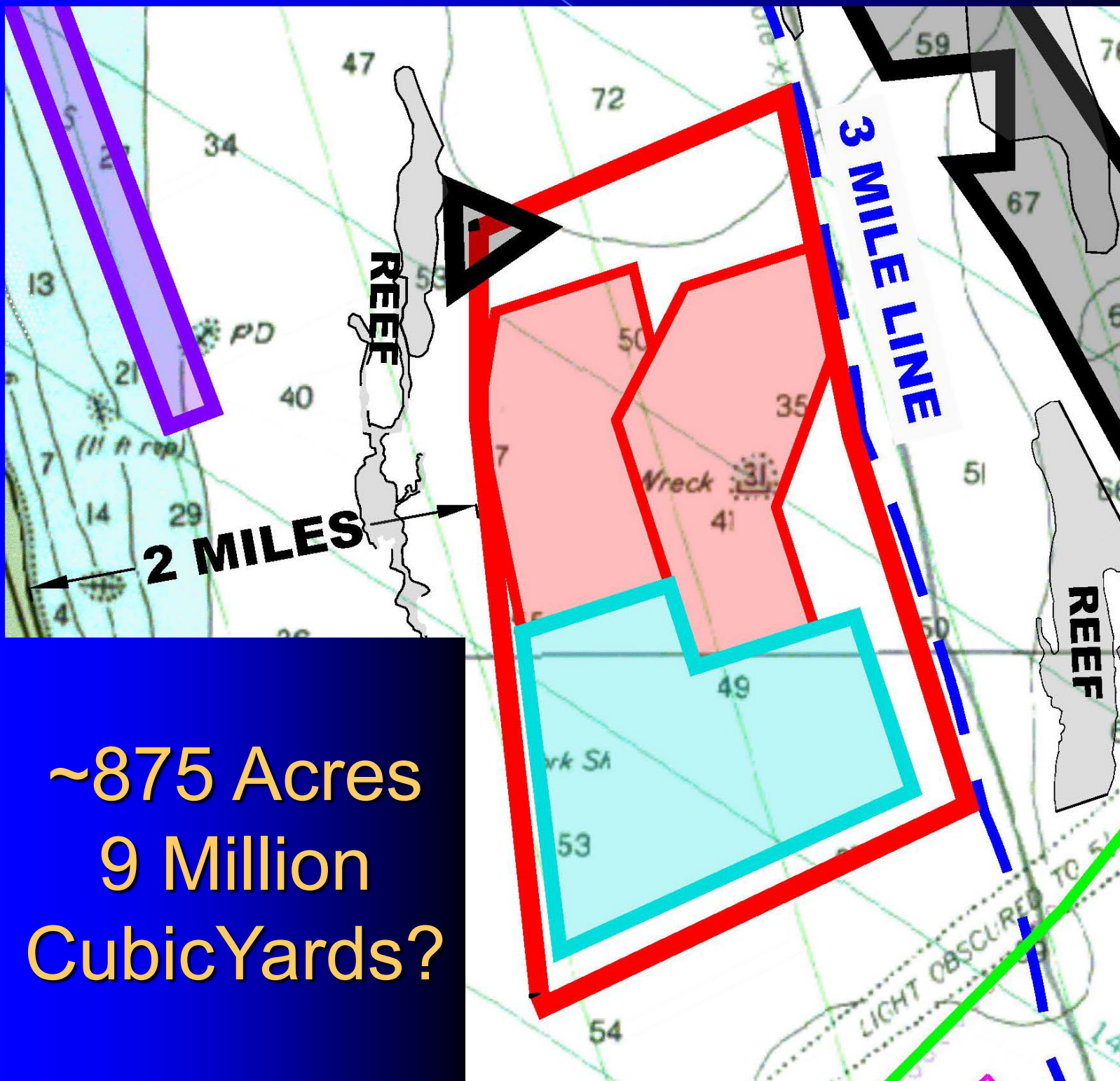
Borrow Site B & Expansion Area Residual Borrow Volume Forecast

**Town of Jupiter Island Beach Renourishment Program
Residual Borrow Site Volumes Vs. Future Project Fill Demands 2025 - 2075
(Cubic Yards)**



Borrow Site B

Potential Expansion Area



~875 Acres
9 Million
Cubic Yards?

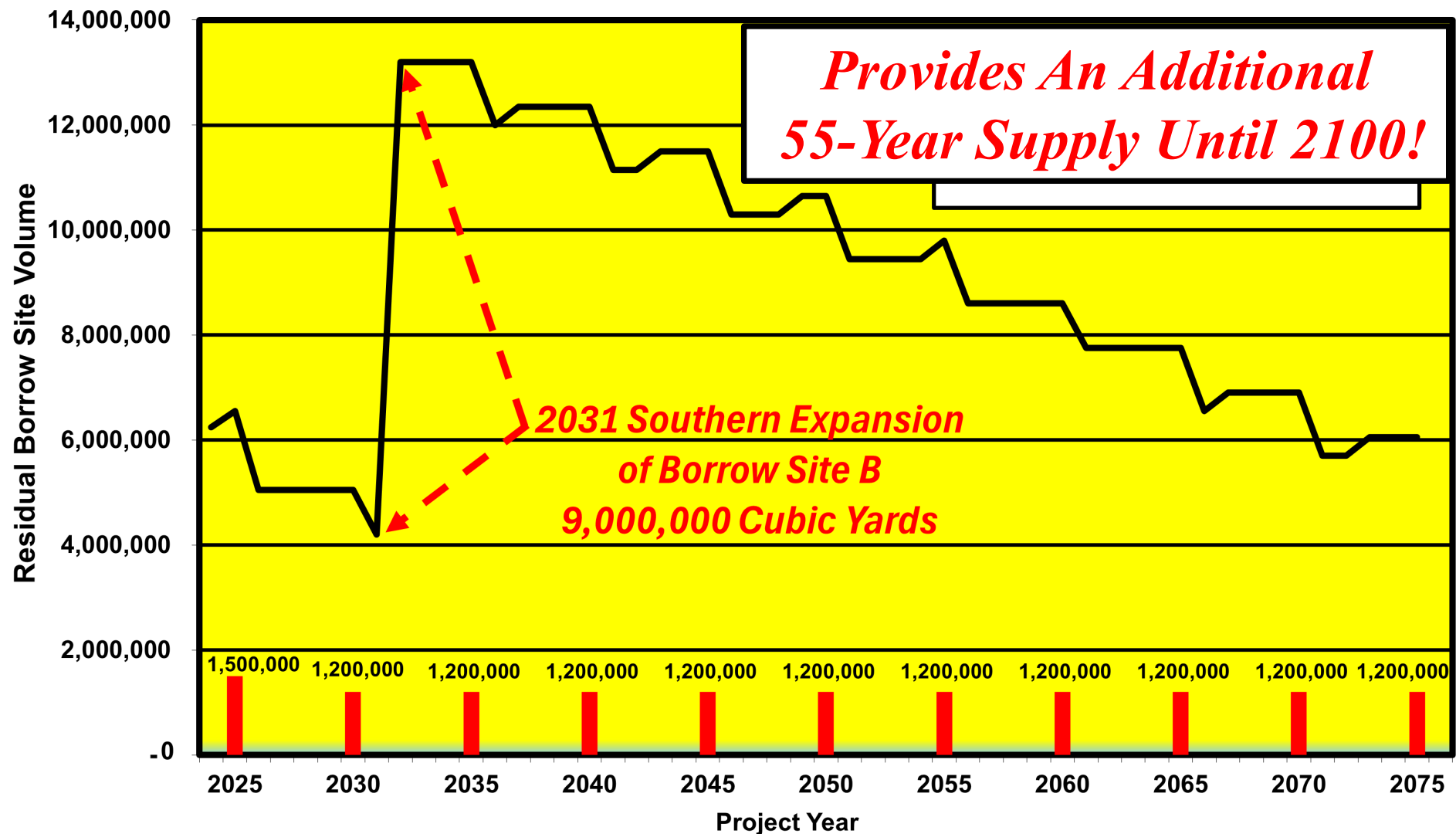
Borrow Site B

Potential Expansion Area Investigations

- Bathymetric Surveys
- Sub-Bottom Profiling
- Side Scan Sonar Imaging
- Magnetometer Surveys
- Archaeological Investigation & Report
- Vibracore Sediment Samples
- Sediment Testing & Compatibility Analysis

Borrow Site B & Expansion Area Residual Borrow Volume Forecast With New Southern Expansion

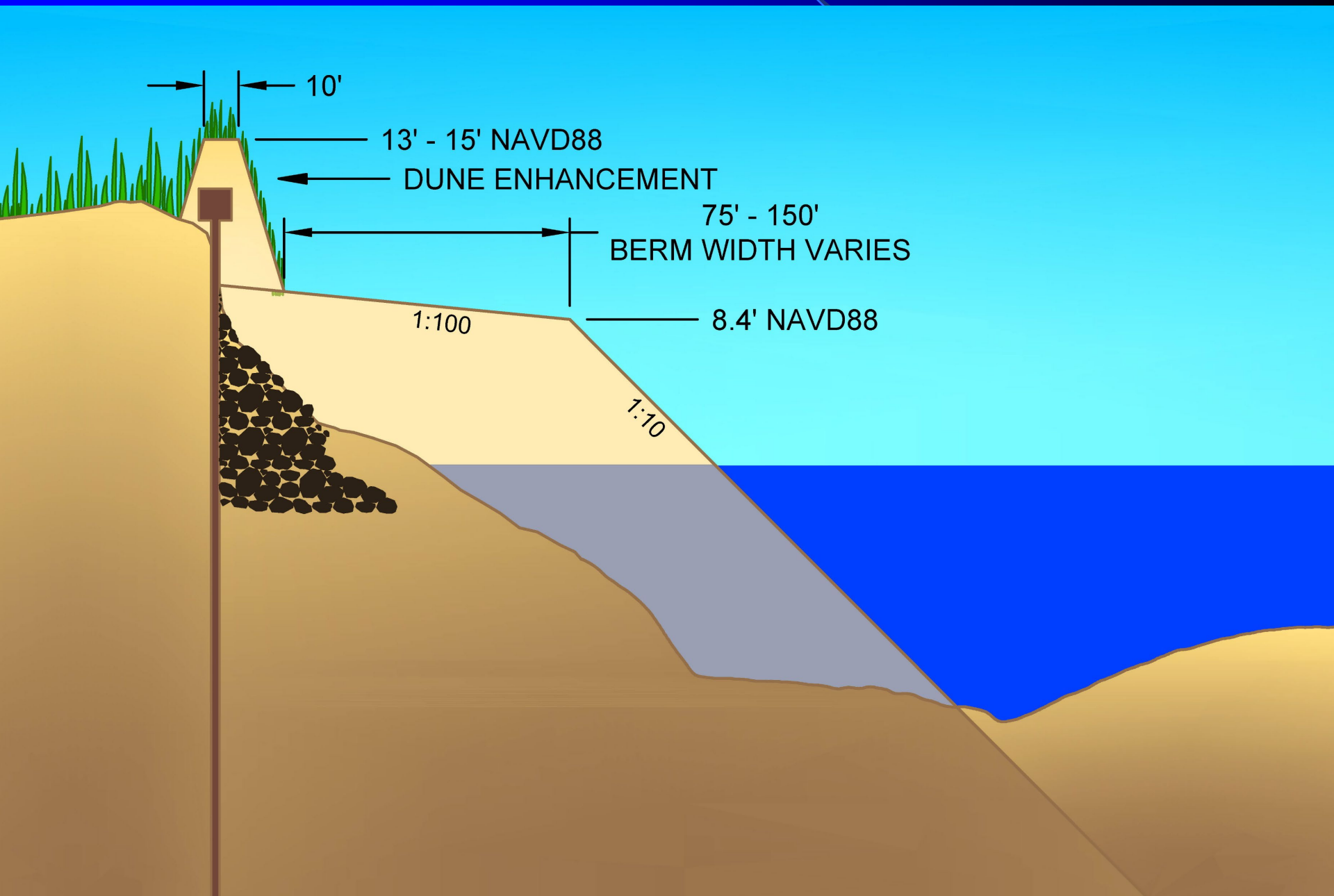
Town of Jupiter Island Beach Renourishment Program
Residual Borrow Site Volumes With New Borrow Site Expansion 2031
Vs. Future Project Fill Demands 2025 - 2075 (Cubic Yards)



Questions?

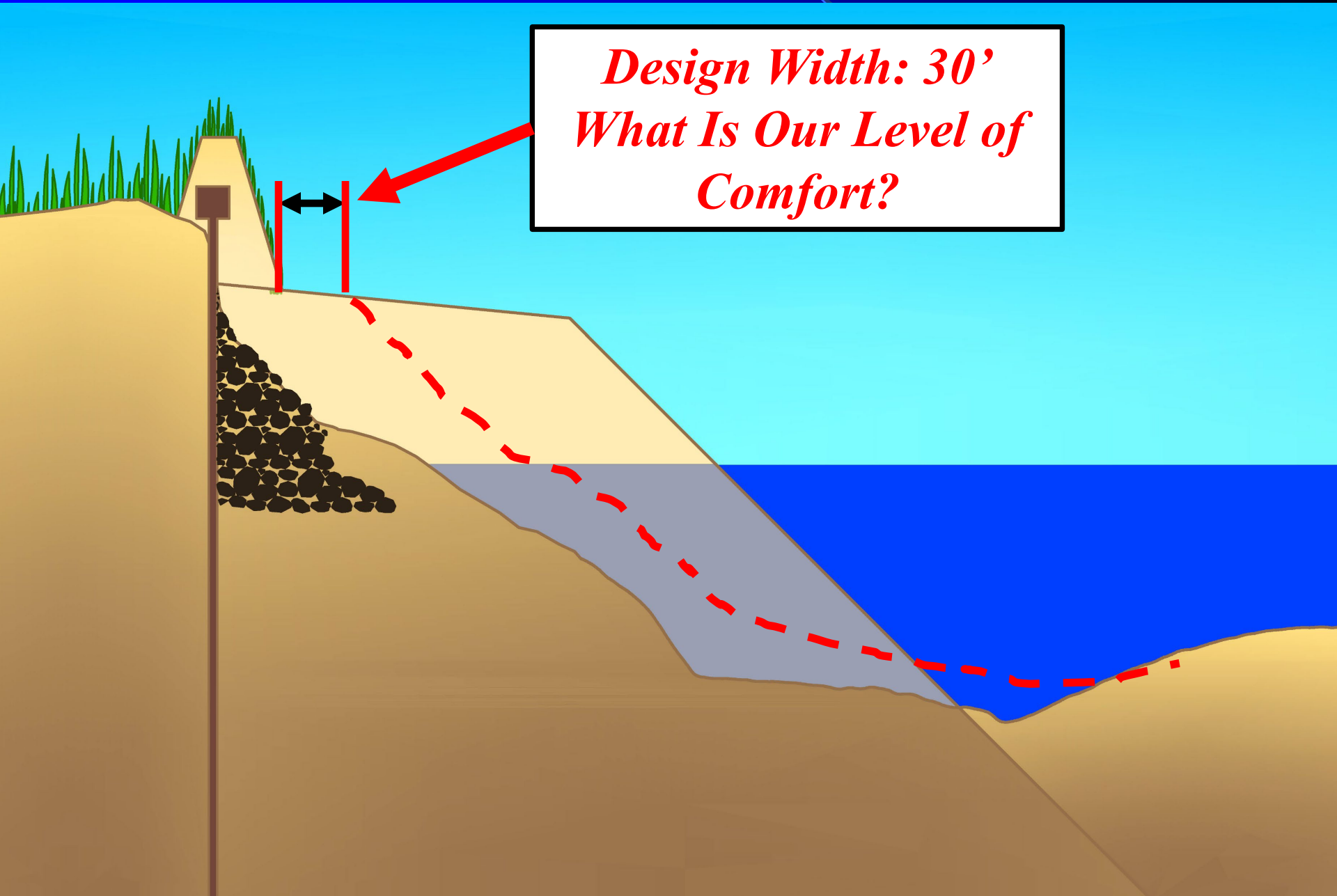


Typical Beach Restoration Cross-Section Profile



Minimum Beach Berm Trigger Width?

Design Width: 30'
*What Is Our Level of
Comfort?*





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

RE: Agenda Item No. 5 – Draft 12-Year Financial Plan

Date: 5/30/2025

Background:

Year to year, the budget for the Beach Protection District is evaluated, adjusted, and adopted to reflect upcoming construction, engineering, lobbying, legal, environmental monitoring, and other efforts necessary to manage and execute the Towns' beach program. In support of municipal programs with significant capital expenditures, a financial plan is a valuable tool for projecting future program revenue and expenditure needs. Additionally, by developing and updated a long range financial plan, the Town gains scoring points under the annual Beach Management Funding Assistance Program administered by the State.

The 2024/25 financial plan has been updated for the Beach Protection District. A period of 12 years was selected to cover two beach nourishment cycles which represent the largest expenditure requirement of the program. The Draft 12-Year Financial plan for FY2025/26 is attached for review and discussion. The format of the financial plan follows that of the annual budget, with projections of revenues, project expenses, and operating expenses.

Revenue streams consist of ad valorem collections, project cost share agreements, Federal and State disaster recovery funds, and State grant funds. Project expenses include the costs for permitting, engineering, construction, surveying, and regulatory environmental monitoring efforts. Operating expenses include salaries, benefits, and general consulting, legal, equipment/ maintenance, and other expenses related to the operation of the Beach Protection District.

Outside of project construction years, the Beach Protection District annual expenditures for operational and program activities range between \$800,000 and \$1,100,000. Annual ad valorem revenue is projected to increase from \$3,652,916 in FY26 to \$5,056,490 in FY37 (assuming a conservative 3% annual increase in taxable values). Additional revenues from Federal or State disaster recovery grants are not included in the draft financial plan as they are not obligated and uncertain moving forward. Estimates of grant monies through the State's Beach Management Funding Assistance Program are reflected at the Town's current eligibility percentage for project expenses (19%). Costs for project expenses and operating expenses are escalated over time to reflect anticipated increases due to inflation, etc. Reserves are projected based on current reserves plus future revenues less project and operating expenses.

The attached draft financial plan update reflects the current millage rate of 0.9593 mils as fixed moving forward in time. Under this status quo scenario, by Year 12 it is projected that the District would need to construct two major beach projects and would potentially have a shortfall in reserves of approximately \$3M for the second project in FY37. Without including other revenue sources, such as cost share contributions from Martin County and other Federal/State grants, the Town would need to consider increasing the millage rate to retain sufficient revenues for projects moving forward. A preliminary analysis indicates that the millage rate would need to be increased to around 1.4 mils to retain sufficient reserves rolling forward for future beach projects. This would equate to a 46% increase in millage compared to today's 0.9593 mils. For reference, a 1.0 mil increase yields an additional \$1,000 per \$1,000,000 in taxable value per year.

Recommendation

For information and discussion purposes only.

Town of Jupiter Island - 12 Year Financial Plan
BEACH PROTECTION DISTRICT

Prepared by: JD
Revision Date: 5/29/2025

		1	2	3	4	5	6	7	8	9	10	11	12	
		CURRENT					PROJECTED							
		FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35	FY36	FY37
		2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35	2035/36	2036/37
		PROJECT	PROJECT							PROJECT				
Revenue														
Ad Valorem	10	\$ 3,380,769	\$ 3,652,916	\$ 3,762,504	\$ 3,875,379	\$ 3,991,640	\$ 4,111,389	\$ 4,234,731	\$ 4,361,773	\$ 4,492,626	\$ 4,627,405	\$ 4,766,227	\$ 4,909,214	\$ 5,056,490
MC Contribution	1	\$ -						\$ -						\$ -
FEMA Disaster Recovery Funds (Ian/Nicole)	8	\$ 23,666,698												
State Disaster Relief	8	\$ 3,380,957												
State (LGFR)	11	\$ -	\$ 213,702.50	\$ 161,631.81	\$ 114,728.86	\$ 142,843.91	\$ 34,394.81	\$ 6,673,711.12	\$ 263,940.35	\$ 143,944.14	\$ 145,167.74	\$ 171,153.05	\$ 39,887.43	\$ 7,897,592.34
REVENUE TOTAL (exc. Reserves)		\$ 30,428,424	\$ 3,866,619	\$ 3,924,135	\$ 3,990,108	\$ 4,134,484	\$ 4,145,784	\$ 10,908,442	\$ 4,625,713	\$ 4,636,570	\$ 4,772,573	\$ 4,937,380	\$ 4,949,101	\$ 12,954,083
Project Expenses														
Permitting		\$ -												
Geotechnical and Engineering Design		\$ 40,000		\$ 250,000				\$ 50,000						
Bidding		\$ 25,000						\$ 30,000						
Debt Service		\$ -												
Beach Renourishment (1.1M-1.9M cy)	2	\$ 33,890,000						\$ 33,890,000						\$ 40,668,000
Blowing Rocks Dune Restoration	3	\$ -	\$ 500,000			\$ 550,000			\$ 605,000			\$ 665,500		\$ -
Dune Plantings		\$ -	\$ 12,000			\$ 13,200		\$ -	\$ 14,520			\$ 15,972		\$ -
Construction Monitoring	3	\$ 266,037	\$ 10,000			\$ 12,000		\$ 319,244	\$ 13,200			\$ 14,520		\$ 383,093
Tilling/Escarpment Leveling		\$ -	\$ 35,000	\$ 25,000	\$ 20,000			\$ -	\$ 35,000	\$ 25,000	\$ 20,000			
Turtle / Shorebird Monitoring	5	\$ 393,100	\$ 250,000	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ 400,000	\$ 275,000	\$ 275,000	\$ 275,000			
Biological Monitoring	4	\$ 150,000	\$ 153,750	\$ 157,594	\$ 161,534			\$ 250,000	\$ 256,250	\$ 262,656	\$ 269,223			\$ 300,000
Physical Monitoring	4	\$ 160,000	\$ 164,000	\$ 168,100	\$ 172,303	\$ 176,610	\$ 181,025	\$ 185,551	\$ 190,190	\$ 194,944	\$ 199,818	\$ 204,814	\$ 209,934	\$ 215,182
Contingency		\$ -												
TOTAL		\$ 34,924,137	\$ 1,124,750	\$ 850,694	\$ 603,836	\$ 751,810	\$ 181,025	\$ 35,124,795	\$ 1,389,160	\$ 757,601	\$ 764,041	\$ 900,806	\$ 209,934	\$ 41,566,275
Operating Expenses (6, 7)		\$ 602,570	\$ 551,520	\$ 565,816	\$ 580,540	\$ 595,706	\$ 611,327	\$ 627,417	\$ 643,990	\$ 661,059	\$ 678,641	\$ 696,751	\$ 715,403	\$ 734,615
Salaries	6	\$ 205,000	\$ 192,950	\$ 198,739	\$ 204,701	\$ 210,842	\$ 217,167	\$ 223,682	\$ 230,392	\$ 237,304	\$ 244,423	\$ 251,756	\$ 259,309	\$ 267,088
Benefits	6	\$ 104,050	\$ 104,050	\$ 107,172	\$ 110,387	\$ 113,698	\$ 117,109	\$ 120,622	\$ 124,241	\$ 127,968	\$ 131,807	\$ 135,762	\$ 139,834	\$ 144,030
Legal	7	\$ 25,000	\$ 25,000	\$ 25,750	\$ 26,523	\$ 27,318	\$ 28,138	\$ 28,982	\$ 29,851	\$ 30,747	\$ 31,669	\$ 32,619	\$ 33,598	\$ 34,606
Consulting	7	\$ 100,000	\$ 100,000	\$ 103,000	\$ 106,090	\$ 109,273	\$ 112,551	\$ 115,927	\$ 119,405	\$ 122,987	\$ 126,677	\$ 130,477	\$ 134,392	\$ 138,423
Equipment/Maintenance	7	\$ 2,500	\$ 2,500	\$ 2,575	\$ 2,652	\$ 2,732	\$ 2,814	\$ 2,898	\$ 2,985	\$ 3,075	\$ 3,167	\$ 3,262	\$ 3,360	\$ 3,461
Beach Cleaning	7	\$ 24,000	\$ 24,000	\$ 24,720	\$ 25,462	\$ 26,225	\$ 27,012	\$ 27,823	\$ 28,657	\$ 29,517	\$ 30,402	\$ 31,315	\$ 32,254	\$ 33,222
Transfer to General Fund		\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Other Misc.	7	\$ 67,020	\$ 28,020	\$ 28,861	\$ 29,726	\$ 30,618	\$ 31,537	\$ 32,483	\$ 33,457	\$ 34,461	\$ 35,495	\$ 36,560	\$ 37,657	\$ 38,786
TOTAL		\$ 602,570	\$ 551,520	\$ 565,816	\$ 580,540	\$ 595,706	\$ 611,327	\$ 627,417	\$ 643,990	\$ 661,059	\$ 678,641	\$ 696,751	\$ 715,403	\$ 734,615
Projected Reserves		\$ 20,602,914	\$ 23,179,292	\$ 25,686,918	\$ 28,492,649	\$ 31,279,617	\$ 34,633,048	\$ 9,789,277	\$ 12,381,841	\$ 15,599,751	\$ 18,929,642	\$ 22,269,466	\$ 26,293,230	\$ (3,053,578)
Interest on Reserves	9	\$ 386,029	\$ 441,682	\$ 493,079	\$ 546,726	\$ 603,190	\$ 665,159	\$ 450,875	\$ 226,220	\$ 282,078	\$ 348,115	\$ 415,472	\$ 489,782	\$ 237,294
Reserve Balance Moving Forward		\$ 20,988,943	\$ 23,620,974	\$ 26,179,997	\$ 29,039,376	\$ 31,882,807	\$ 35,298,207	\$ 10,240,152	\$ 12,608,061	\$ 15,881,829	\$ 19,277,756	\$ 22,684,938	\$ 26,783,012	\$ (2,816,284)

- Notes:**
- 1 Martin County inlet management bypass objective is 163,000 cy/yr bypass south (of 250,000 cy/yr design rate).
 - 2 Estimated project volume 1.250M cy. FY25 Project Engineering Cost Estimate for FEMA claim. FY31 Project reflects 20% cost increase.
 - 3 Dune construction and monitoring costs (survey, turbidity, inspections) increased by 10% for future projects.
 - 4 Annual permit required action with 2.5% projected annual cost increase.
 - 5 New contract for turtle monitoring with fixed costs (construction monitoring/post-construction monitoring).
 - 6 Operating costs for salaries and benefits increased by 3.0% per year.
 - 7 Operating costs for legal, consulting, equipment/maintenance, financial audit, and other operating costs increased by estimated Consumer Price Index average (3.0% per year).
 - 8 (Ian/Nicole) FEMA/FDEM Obligation (75% Federal, 12.5% State) for a total of \$23,666,698
 - 8 (Ian/Nicole) SB4-A Hurricane Recovery Plan legislated additional funding \$3,380,957
 - 9 Interest on Reserves (~2%)
 - 10 Hold millage at 0.9593 mils with projected increase in taxable value (assumed to be 3% per year).
 - 11 Assume LGFR eligible for 19% of Project Expenses annually.