SHORE PROTECTION BOARD MEETING

TOWN OF PALM BEACH

JANUARY 8, 2026

9:00 AM

TOWN HALL COUNCIL CHAMBERS, 2ND FLOOR | 360 SOUTH COUNTY RD | PALM BEACH, FL 33480

Ronald Matzner, Vice Chair
Tim Cohan, Member
Austin Fragomen, Member
Lawrence Kaplan, Member
Peter Matwiczyk, Member
James McKelvy, Member
Joel Zylstra, Member

AGENDA

CALL TO ORDER AND ROLL CALL

PLEDGE OF ALLEGIANCE

ELECTION OF CHAIR AND VICE CHAIR

MINUTES

1. Approval of the Shore Protection Board Meeting Minutes of November 20, 2025.

APPROVAL OF AGENDA

COMMENTS

2. OFFICIALS

3. STAFF

4. PUBLIC - 3 MINUTE LIMIT

GENERAL BUSINESS

5. Approval of the Shore Protection Board 2025 Annual Report

6. Sediment Budget

7. Coastal Projects Update & Annual Report

7.1 Reach 8 & 9 Dune Restoration

7.2 USACE Mid-Town Beach FCCE

7.3 Groin Rehabilitation

8. Vulnerability Assessment

9. Communications Report

9.1 Florida Sunshine Law

9.2 Sea Turtle Signage

9.3 Mid-Town Flyer

NEW BUSINESS

10. 2026 Meeting Schedule

ANY OTHER BUSINESS

MEETING SCHEDULE

11. The next meeting is scheduled for March 5, 2026

ADJOURNMENT

Access this meeting video on the 'Public Meetings' page at www.townofpalmbeach.com.

If a person decides to appeal any decision made with respect to any matter considered at this meeting, they will need to ensure that a verbatim record of the proceedings is made for such purposes, which shall include the testimony and evidence upon which the appeal is to be based.

Disabled persons needing accommodations to participate in this meeting should contact the Town Clerk's Office at (561) 838-5416 at least one day prior to the meeting.

TOWN OF PALM BEACH

Minutes of the Shore Protection Board Meeting
Held on November 20, 2025

CALL TO ORDER AND ROLL CALL

The meeting was called to order at 9:00 AM in the Town Council Chambers.

Members Present: Erick Reickert, Joel Zylstra, Melissa Ceriale, Ronald Matzner, James McKelvy, Peter Matwicizyk, Lawrence Kaplan

Staff Present: Jason Debrincat, Patricia Strayer, Sara Gutekunst, Katherine deClaire

PLEDGE OF ALLEGIANCE

Ms. Ceriale led the Pledge of Allegiance.

MINUTES

1. Minutes of the March 27, 2025, Shore Protection Board Meeting

A motion was made by Mr. Kaplan and seconded by Mr. Reickert to approve the minutes of the March 27, 2025, meeting as presented. The motion was carried unanimously, 7-0.

APPROVAL OF AGENDA

A motion was made by Mr. Kaplan and seconded by Mr. Matzner to approve the agenda as presented. The motion was carried unanimously, 7-0.

COMMENTS

2. OFFICIALS

Mr. Matzner commended the Atrium Condominium for leading the effort to ensure that the sand for Reach 8 was delivered in a timely manner. Commendations were also expressed for the Claridges and the Citizens Association. Mr. Kaplan emphasized the importance of preparing now for the future sand delivery.

Mr. McKelvy expressed concern about the meeting schedule from the past year and spoke about

a meeting that had been scheduled for October but was cancelled at the last minute.

3. STAFF

Ms. Gutekunst announced that the terms for Ms. Ceriale and Mr. Reichert are expiring, and this will be their last meeting. Ms. Strayer announced that Ms. Gutekunst had just completed her 1st anniversary at the Town and commended her on the work she has been accomplishing.

4. PUBLIC - 3 MINUTE LIMIT

Warren Belmar, 130 Sunrise Avenue, spoke regarding the importance of several items on the agenda.

GENERAL BUSINESS

5. Shoreline Update

Tom Pierro, Coastal Protection Engineering, presented photos and explained the condition of each of the Reaches. He spoke regarding the king tides and certain weather events that have occurred over the past several months, which have contributed to the condition of the sand. He also explained that the beaches have different profiles during the summer versus the winter. He answered questions from Board Members.

Mr. Belmar, a former Board Member, spoke about the large amount of sand that had eroded, as shown in one of the Reach 2 photos.

Mr. Pierro addressed the reaction of the beach to the breakwater structures that had been built in Reach 2. Discussion ensued. He spoke about how the beach has been restored in Reach 5 from the Mid-Town project. Ms. Ceriale spoke regarding the effectiveness of the Town's beach management program.

An extensive discussion ensued regarding dune vegetation planting, dune restoration, and the Town's budget allocation for dune vegetation planting.

Ms. Gutekunst stated that three beach accesses in the Mid-Reach have been closed since October due to erosion.

6. Project Updates

6.1 USACE Mid-Town Beach FCCE

Ms. Gutekunst reported that the Town provided the easements that they had been able to gather to USACE. There will be temporary easements for nine properties. Patricia Strayer, Town Engineer, provided an update on the status of the easements for the beach renourishment program. She explained that they have met the deadlines that were necessary, and USACE has put the project out to bid and has made a choice for the contractor. The project will be happening in January. Ms. Strayer explained that the project does not include northern properties that were previously a part of the project, and the Town will need to have all perpetual easements by 2032. A discussion ensued regarding the easements, project scope, and

funding. She answered the Board Members' questions. A discussion ensued regarding the issue with The Breakers not agreeing to a permanent easement. Ms. Strayer and Mr. Pierro provided additional information on the impact of the lack of these easements on future projects and the beach management program. A discussion ensued on what the Board can do to assist, including requesting a study on the long-term impacts of eliminating those properties. Communication with residents on this issue was discussed.

Ms. Strayer will be sending an email to the Board with the consensus of ideas from the Board to be presented to the Town Council.

Ms. Gutekunst spoke about the project's construction beginning in January.

6.1 Breakers Shoreline Protection

Ms. Gutekunst provided an update on the breakwater project that the Breakers has completed. She explained the permit requirement for a physical monitoring and mitigation plan and spoke regarding what would occur if there were negative impacts on Clarke Beach. A discussion ensued regarding the mitigation plan and monitoring, as well as any additional steps that could be taken. Ms. Gutekunst and Ms. Strayer provided additional information on the monitoring that the Town is currently doing. Ms. Ceriale spoke regarding the importance of the Breakers in the community, but expressed concern over their history with compliance with requirements for their previous breakwater project. Ms. Strayer addressed her concerns.

6.2 Reach 8

Ms. Gutekunst reported on the project's success so far and presented photographs of the project. She thanked the Atriums condominium for assisting with the staging of the project and presented a video of the conveyor belt. A discussion ensued regarding the lack of issues with the conveyor belt and attempts to have other condominiums visit the site to see that it's not intrusive. Further discussion ensued regarding the Town's commitment to beautify the area after the project. Mr. Debrincat stated that the current arrangement is not sustainable and that they need other condos to also assist in keeping this project going in the long term. Mr. Matzner spoke about an issue with the Citizens Association News and Views regarding this project.

6.3 Sand Transfer Plant

Ms. Gutekunst provided an update on the rehabilitation of the sand transfer plant project. Ms. Strayer provided additional information on the plant's capacity once it has been refurbished. Discussion ensued.

6.4 Groin Rehabilitation

Ms. Gutekunst provided background information on the proposed groin rehabilitation plan and explained the scope of the potential project. Mr. Pierro provided additional information on the project. Ms. Gutekunst answered questions.

Mr. Belmar, a former Board Member, provided an overview of the groins and the permit process. Mr. Pierro provided additional historical information on the use of groins and the replacement

project. He answered questions. Mr. Kaplan expressed the importance of communicating with property owners about the benefits of the rehabilitation. Ms. Ceriale inquired about any groins that perhaps should not be replaced, to which Ms. Gutekunst and Mr. Pierro responded. Ms. Strayer spoke regarding past efforts in communicating with residents about the groin project.

6.5 Living Shoreline Project

Deputy Town Engineer Julie Parham presented the concept plan and layout of the living shoreline project on the Lake Trail. She answered questions about the project and explained the plantings, grants, and agreements associated with it. Mr. Debrincat provided additional information.

6.6 Mid-Town Seawall Replacement

Ms. Gutekunst provided background on this item and stated that staff are currently working on a work plan for this project, which will be presented to the Town Council in February for discussion. She announced that there will be a public outreach meeting on December 11 to discuss the linear park. Ms. Strayer stated that the plan is for this project to commence in November 2026, and it will also entail redoing the linear park at the same time. She answered questions about why the seawall needed to be replaced, and Mr. Debrincat explained the project's scope. Discussion ensued on the differences between Palm Beach and Delray Beach, and why this project can't be the same as Delray Beach.

7. Communications Report

The following item was heard out of order on the agenda.

7.1 Sea Turtle Signage

Ms. Ceriale introduced the Wahine Surf Club, which has been collaborating on the signage project.

Cara McClure, Lily McClure, and Nora McClure of Wahine Surf Club presented the proposed sea turtle signage options.

Ms. Gutekunst discussed the importance of ensuring that the verbiage complies with state regulations and reducing the wordiness of the signs. Mr. Kaplan commended the Wahine Club for their work and spoke in support of tweaking the language to make it more concise. Discussion ensued.

A motion was made by Mr. Kaplan and seconded by Mr. Matzner to select the third signage option, subject to change in the language and font, and bring it back for approval at the January meeting. The motion was carried unanimously, 7-0.

7.2 FY25 Communications Flyer

Ms. Gutekunst spoke about changes to the Coastal Projects Flyer, which she has distributed to all condominiums in Reach 8. She spoke regarding her attendance at Town of South Palm Beach meetings regarding the dune restoration project.

ANY OTHER BUSINESS

Mr. Reickert inquired about the Board discussing sea level rise and projections on impacts to the Island to plan for sea walls, especially on the Lake side. Ms. Gutekunst spoke about an update to the 2019 Vulnerability Study currently underway and explained the process for review and project planning. She addressed sea walls and any work that will be undertaken on the Lake Trail. Mr. McKelvy spoke regarding an issue that has started occurring with residents building new sea walls further out into the Lake, to which Mr. Debrincat responded. Mr. Matzner stated that the Citizens Association will be focusing on resiliency. Mr. Kaplan inquired about when the study would be completed and spoke about some extremely vulnerable points on A1A in the South End. He stressed the importance of this Study. Ms. Parham spoke about the study, and it was discussed that the Executive Summary would be distributed to the Board upon completion.

Mr. Matwiczyk inquired about dredging and why the sand can't be used to dump on the beach in Reach 2, to which Ms. Strayer responded. Mr. Matwiczyk requested that the Town lobby USACE to use this sand on the beach.

Ms. Ceriale emphasized the importance of everyone reviewing the Woods Hole Report and moving forward with effective communication about the positive work being done by the Town. Mr. Kaplan commended Ms. Ceriale on her leadership and great efforts.

MEETING SCHEDULE

8. 2026 Public Meeting Schedule

Ms. Gutekunst recommended January 8, 2026, and March 5, 2026, to which everyone concurred. Discussion ensued on holding additional meetings. The following meetings were also scheduled: May 7, September 24, and November 5.

ADJOURNMENT

A motion was made by Mr. Kaplan and seconded by Mr. Matzner to adjourn the meeting at 12:33 PM. The motion was carried unanimously, 7-0.

Respectfully Submitted,

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Melissa Ceriale, Chair

TOWN OF PALM BEACH

Information for Town Council Meeting on: February 10, 2026

TO: Town Council Members

FROM: Kirk Blouin, Town Manager

VIA: XXXXX, Shore Protection Board Chairperson
Sara Gutekunst, Coastal Coordinator

RE: Shore Protection Board 2025 Annual Report

DATE: December 23, 2025

The Shore Protection Board (SPB) is currently comprised of seven (7) members appointed by the Town Council for three-year terms.

A chairperson and vice-chairperson are selected by the members. The 2025 SPB members are as follows:

2025 Shore Protection Board	Position	Current Term Expires
Melissa Ceriale	Chair	Expired 12/2025
Ronald Matzner	Vice Chair	2nd Term – 12/2027
Tim Cohan	Regular Member	1st Term – 12/2028
Austin Fragomen	Regular Member	1st Term – 12/2028
Lawrence Kaplan	Regular Member	1st Term – 12/2027
Peter Matwiczyk	Regular Member	2nd Term – 12/2027
James McKelvy	Regular Member	1st Term – 12/2027
Erick Reickert	Regular Member	Expired 12/2025
Joel Zylstra	Regular Member	2nd Term – 12/2028

Melissa Ceriale (Chair), and Erick Reickert served their final year of their second consecutive term. Joel Zylstra served his final year of his first three-year term and was reappointed to the Board in December 2025 to serve his second term. SPB members are allowed to serve for two (2) consecutive three-year terms.

Ronald Matzner, Lawrence Kaplan, Peter Matqiczyk, and James McKelvy's terms will end in December 2027. Mr. Matwiczyk and Mr. Matzner will be ineligible for reappointment at that time, as they were reappointed in December 2024 and are serving their second consecutive terms. Mr. McKelvy and Mr. Kaplan will be eligible for reappointment in December 2027.

Tim Cohan and Austin Fragomen were newly appointed to the board in December 2025 and will join their first SPB meeting in January 2026.

The Board met three (3) times during the 2025 calendar year.

2025 Shore Protection Board	Meetings Attended	Jan 30	March 27	Nov 20
Melissa Ceriale	3	P	P	P
Ronald Matzner	3	P	P	P
Lawrence Kaplan	3	P	P	P
Peter Matwiczyk	3	P	P	P
James McKelvy	3	P	P	P
Erick Reickert	3	P	P	P
Joel Zylstra	3	P	P	P

P = Present
E = Excused
U = Unexcused

CURRENT SHORELINE CONDITION

The Town's proactive on-going coastal management efforts have helped to maintain storm protection along the Town's 12.2 miles of shoreline. Despite predictions of an above-average hurricane season, the 2025 Atlantic hurricane season brought below-average activity, and Florida was luckily spared from major impacts. Strong storms formed in the Atlantic throughout the season but stayed offshore. Palm Beach's coastline experienced higher surf, rip currents, erosion and elevated tides during these events, which is typical when storms pass nearby out at sea. Additionally, king tides, which typically bring higher tides to the area in the fall months, can compound with storm events to bring unusually high water elevations and flooding, as Palm Beach experienced along the Lake Worth Lagoon shoreline in the first week of October. These cumulative effects are a reminder that planning for resiliency in the future is a necessity. Despite minor erosion brought by these storms, the sand that was placed on the beaches in recent projects is not lost. The majority of the sand will move south and then back to the dry beach as the wind and waves shift direction. This is the typical seasonal response to weather patterns throughout year.

The Town's Public Works staff and consultants have been monitoring the shoreline closely and will continue to do so providing updates as needed.

2025 COASTAL PROTECTION UPDATES

Sand Transfer Plant

Sand Transfer Plant operations have continued during 2025, with 132,000 cubic yards of sand bypassed under the inlet, from Singer Island to Palm Beach Island. The goal of the Inlet Management Plan for bypassing is 202,000 cubic yards per year, which the plant has not met due to maintenance issues.

However, the Town has engaged design engineers to replace the existing crane, which is in dire need of replacement due to corrosion and wearing on critical components. In addition to the crane and associated discharge pipe and vault box replacement, the second transmission line will be unclogged, which has been plugged since 2020. 90% design has been completed, and permit applications were submitted to the Army Corps of Engineers on October 31, 2025. Permits are anticipated by August of 2026 and construction will likely occur in 2027, outside of turtle nesting season.

Lake Worth Inlet Maintenance Dredging

The United States Army Corps of Engineers (USACE) FY25 maintenance dredging of Palm Beach Harbor was completed by Weeks Marine, Inc. Approximately 220,000 cubic yards of material were dredged from the Palm Beach Harbor entrance channel and settling basins and placed on the Town of Palm Beach shoreline between Florida Department of Environmental Protection (FDEP) R-monuments R-76 to R-80 in Reaches 1 and 2. The project was done in partnership with the USACE to improve navigation in the Palm Beach Inlet and enhance shoreline stability for the Town. Dredging began on March 12, 2025 and was completed in early April. Palmo Way was utilized for beach access. Concerns were heard from SPB and residents regarding noise and lighting and USACE complied to the greatest extent possible while abiding by safety requirements. Staff coordinated with the USACE to incorporate additional language for lighting and noise into the USACE specifications for the upcoming Mid-Town Beach Renourishment project.

Reach 2 Sand Forepassing

Concurrent with the maintenance dredging project, the Town planned on performing the Reach 2 Sand Forepassing project to rebuild dunes in Reach 2, overlapping with the USACE activities in order to decrease ongoing construction activities on the northern portion of the Town. Stockpiled sand from the USACE dredging project was to be excavated from between R-monuments R-76 to R-78 in Reach 1 to rebuild dunes in Reach 1 and trucked to Reach 2 between R-81 and R-83.

The Town was unable to complete the sand forepassing this year due to timing constraints and limited beach access in Reach 2. The Florida Fish and Wildlife Conservation Commission (FWC) was unable to authorize the excavation of sand prior to the project start due to guidance from their federal partner, the U.S. Fish and Wildlife Service (USFWS). The Town will continue to pursue sand placement for dunes in this area during the next planned dredging project on the north end, which is currently planned for FY28. Prior to the next inlet dredging project and placement in Reach 1 and 2, staff will be working to authorize the excavation activities and to renew easements from private property owners.

Mid-Town Beach Nourishment

USACE had approved and received full funding for a Flood Control and Coastal Emergencies Act (FCCE) project for the Mid-Town Beach Federal Nourishment Project in the Town of Palm Beach to replace sand lost from Hurricane Nicole. Due to the Town's inability to acquire perpetual easements for the northern eleven properties, the project was modified to extend from Seminole Avenue to Banyan Road. Staff worked diligently to secure remaining easements that were identified by USACE as non-compliant. Challenges were evident, as Florida's federal legislature has been working to comply with the strict requirement of perpetual, public use easements within the Federal project envelope.

The Water Resources Development Act of 2024 (WRDA) was signed by the President of the United States in January 2025, and the Town did not receive guidance from the Assistant Secretary of the Army for Civil Works, which gives direction to the Jacksonville District of the USACE on how to proceed, until June 30, 2025. The guidance directed USACE to allow acceptance of the same easements as the previously executed project for the next two years. This allows the Town to utilize one-time use temporary easements similar to what was accepted for the project in 2020. However, the USACE required the local sponsor (the Town) to pay for the sand placement within the areas of the temporary easements and the adjacent beach waterward of the erosion control line, a cost of $2,994,600. Town Council voted to approve the payment at the July 8th council meeting.

USACE issued a Notice to Proceed to Great Lakes Dredge and Dock in early December. Their dredging

equipment is expected to arrive in early March and construction is expected to be complete by May 1st.

The Breakers installed three new breakwater structures parallel to their shoreline in 2025. Concerns have been heard about the potential impacts to Clarke Beach, directly south of the breakwaters. The Breakers' consultants and town staff and consultants continue to monitor the conditions at Clarke Beach. Mitigation and monitoring plans are in place as part of the USACE and FDEP permits and mitigation will be implemented should there be any impacts related to the project. Staff continue to coordinate closely with the regulatory agencies and have discussed the future status of the Mid-Town nourishment project and implications should the project footprint need to be modified due to easement requirements.

Phipps Ocean Park Beach Renourishment

The Phipps Ocean Park Nourishment project placed 756,346 cubic yards of sand on the beach in Reach 7 for shoreline protection. Dredging began on December 9th, 2024 and was completed on January 24th, 2025. Sand was stockpiled between Phipps Ocean Park and the Par 3 Golf Course for dune restoration in Reaches 7, 8 and 9. Following the completion of the dredging project, sand was hauled to Reach 7 north of Phipps Ocean Park between R-116 and R-119 for dune placement. Work was completed on March 21st and placed approximately 20,000 cubic yards of sand.

Reach 8

The Shore Protection Board, staff, and consultants coordinated extensively with residents of the south end and with the Citizen's Association throughout the year to find a solution to the challenge of access for the Reach 8 and 9 Dune Restoration Project. The Town planned to place sand for dunes in conjunction with the Phipps Ocean Park nourishment last fall/winter but has been challenged with finding construction access to the beach after an Interlocal Agreement with the City of Lake Worth Beach was not executed. At the May 13, 2025 Town Council Meeting, staff were directed to pursue a long-term cooperative program utilizing conveyor belts through condominium properties in Reach 8 and rotating between feasible properties to minimize disruption. Eight properties in Reach 8 were identified as being feasible with this methodology, and after meeting with members of the condominiums and attending board meetings and site visits, one property, the Atriums, agreed to allow access through their property.

Work for the dune restoration project began the first week of November and was completed on December 23rd. Every property within Reach 8 and 9 received sand for dunes. The Atriums was an exceptional partner in completing this project, as well as the Claridges, which provided temporary access for fueling and equipment staging. The SPB and staff are hopeful in completing the project in the future but recognize the continued challenges in obtaining access to the area and hope to continue to work with residents and the Citizen's Association to support the long-term cooperative program. Members of the Enclave, Meridian, and the Claridges performed a site visit during construction to observe the conditions for their future consideration of participating.

Staff and consultants are working to secure permits from the USACE and FDEP for beach nourishment in Reach 8 between R-128 and R-135. Staff and consultants celebrated the issuance of FDEP's permit for the extension of the Reach 8 project in February. Coordination with the USACE is ongoing and issuance of a Record of Decision is expected after consultations with partner agencies are complete. Staff will coordinate with FDEP in the future for potentially adding this project to the Beach Management Agreement (BMA). FDEP has recommended modification of the BMA after the project is constructed, although there is no requirement that the project has to be built in order for it to be

included. The BMA is updated every 5 years, and the last update was in 2021. Therefore, the BMA is expected to be reviewed and renewed in 2026.

Groin Rehabilitation

Town-wide groin rehabilitation is authorized by the FDEP in the BMA. The Town was granted a time extension of the existing USACE permit for the rehabilitation and replacement of existing groins between Reaches 2 through 6 in November 2025. The Town is currently working with upland private property owners on a case-by-case basis to repair and replace groins. The Town has offered to act as the environmental regulatory umbrella permit holder on the basis that private property owners obtain individual Sovereign Submerged Lands Leases from FDEP for groins fronting their property and hire firms/contractors to do the design and construction at their own cost. The Town is currently working with the Blossom Way property to replace four groins with this approach. Mobilization is currently underway for the work and is expected to be completed by May 1. As interest in participating in this program continues to grow, future work will involve the development of a protocol and guidance for interested parties to follow and efficiently execute future rehabilitation projects.

Sand Search

ATM-Geosyntec and Coastal Protection Engineering (CPE) have conducted two phases of field investigations to identify additional borrow areas to support the Town's nourishment program. Initial field investigations were conducted in the spring of 2025 to identify candidate sites for more detailed investigations. These efforts identified candidate sites both in the northern and southern extent of the Town for further detailed investigations. A second phase of field investigations was conducted in the fall of 2025 in which 50 physical samples (vibracores) of candidate sites were collected for detailed geotechnical testing. Grain size analysis of the cores is ongoing and preliminary results from the investigations conducted to date will be completed by mid-2026. Additional field surveys will be conducted to support permitting of sites that are beach compatible for future use as borrow areas for the Town's nourishment program.

North Lake Way Living Shoreline at Palm Beach Country Club

The North Lake Way Living Shoreline project at the Palm Beach Country Club has garnered a significant amount of support from residents and potential funding sources this year. Students from the Palm Beach Day Academy attended the April Town Council Meeting to petition the support of the project. The project is being done in partnership with the Palm Beach Country Club and the Garden Club of Palm Beach. ATM has prepared plans for the design and has submitted permit applications. Grant funding applications have been submitted for FDEP's Resilient Florida Program and through the Lake Worth Lagoon Initiative (LWLI). Projects presented to the LWLI are ranked and then presented to Florida state legislature for request for funding. The project was ranked second, which is favorable for potential state funding. Because of the encouraging support of the project so far and for the many benefits including shoreline protection, providing habitat for species, and increasing the resiliency of coastlines, staff hope to incorporate living shorelines in other areas of the Lake Worth Lagoon shoreline. Construction is expected in summer of 2026.

Vulnerability Assessment

Woods Hole Group (WHG) is progressing with updating the Town's Vulnerability Assessment (VA) to bring it into compliance with Florida State Statutes by modeling different storm scenarios and analyzing data. The study also includes a storm surge barrier analysis at the inlet. Woods Hole Group presented an overview of the updates at the May Town Council meeting. A draft of the VA report was submitted to FDEP on December 10, 2025. The assessment will be used in the future to update the Town's Level-Up plan and to assist in the development of Town policies related to sea level rise and resiliency. Staff are also

coordinating with Kimley Horn to study the technical feasibility of raising the Lake Trail elevation along with associated costs and impacts.

Monitoring

Biological, physical, sea turtle nesting, and shorebird monitoring work continued, as required by the State's Beach Management Agreement (BMA) and/or Federal permits, as previously approved by Town Council.

The Town-wide sediment budget is consistent with the overall monitoring results for each reach and indicates the Town's management initiatives place sufficient material to mitigate the shoreline's long-term erosion. The sediment budget analysis shows the Town's annualized nourishment volume equals 240,546 cy/yr for the monitoring period between 1990 and 2025. The nourishment volume exceeds the annualized erosion (74,598 cy/yr) by approximately 165,948 cy/yr.

COMMUNICATIONS

Communications with the residents about the coastal program that took place in 2025 included the following:

- 200 flyers and 12 yard signs developed by The Firefly Group, a public relations and marketing firm, were disseminated for the inlet dredging and sand forepassing projects in Reaches 1 and 2.
- 150 flyers were created and distributed to residents of Reach 8 and the Town of South Palm Beach regarding the Reach 8 and 9 Dune Restoration Project.
- Town staff attended two town council meetings at the Town of South Palm Beach to engage in neighborly collaboration and execute an interlocal agreement for the Reach 9 Dune Restoration Project.
- 28 weekly updates were posted to the Coastal Website related to the Phipps Ocean Park Beach Renourishment, North Inlet Dredging, and Reaches 7,8, and 9 Dune Restoration Projects.

cc: H. Paul Brazil, P.E., Director of Public Works
Jason Debrincat, P.E., Deputy Director of Public Works
Patricia Strayer, P.E., Town Engineer
Julie Parham, P.E., Deputy Town Engineer

Town of Palm Beach

2025 Town-Wide Physical Monitoring Report

EXECUTIVE SUMMARY

The Town of Palm Beach (Town) conducts annual monitoring of its 12.2 miles of shoreline along Palm Beach Island from Lake Worth Inlet to the Town of South Palm Beach. The results provide guidance for erosion control initiatives planned to help manage the critically eroded shoreline within the Town limits. Eight reaches extend from north to south and encapsulate the Florida Department of Environmental Protection (FDEP) reference monuments R-76 at Lake Worth Inlet to R-134 at the boundary with the Town of South Palm Beach. The Town originally defined the reach segments as part of a Comprehensive Coastal Management Plan (CCMP) completed in 1986 by Cubit Engineering and has subsequently revised the boundaries as follows:

- Reach 1: R-76 to R-78
- Reach 2: R-78 to R-90+400
- Reaches 3 & 4: R-90+400 to R-102+300
- Reach 5: R-102+300 to R-110+100
- Reach 6: R-110+100 to R-116+500
- Reach 7: R-116+500 to R-128+500
- Reach 8: R-128+500 to R-134

The monitoring includes approximately 1.4 miles of shoreline north of Lake Worth Inlet to evaluate bypassing expectations. The Town coordinates with FDEP to understand the annual bypassing rate of Lake Worth Inlet and the additional monitoring provides assurances for the estimated values. The Town also monitors the island-wide sediment budget to compare annual erosion losses with volumetric gains experienced through nourishment actions. The sediment budget provides a high-level assessment to guide the Town in planning future shoreline initiatives. Accounting for recent nourishment events and bypassing activities also helps to maintain a perspective on significant changes in the year-to-year data trends. For reference, the current analysis includes the following projects as part of the shoreline evaluation:

- Palm Beach Harbor Maintenance Dredging (Ongoing)
- Lake Worth Inlet Sand Transfer Plant Operations (STP) (Ongoing)
- Reach 4 (Mid-Town) Dune Restoration (2022)
- Phipps Nourishment (2024)
- Mid-Town Beach Restoration (2020)

Table ES 1 provides a summary of the 2024 to 2025 monitoring results. The long-term shoreline migration analysis compares survey information from 1990 with current conditions (2025) to determine the shoreline recession (-) or advance (+). The short-term analysis compares the previous survey data (2024) with the current information (2025). The volumetric analysis relies on the 1990 survey information for comparison of the long-term trend with the current condition (2025). Similarly, the short-term analysis evaluates the trends observed in the most recent monitoring period (2024 to 2025).

Table ES 1. Physical Monitoring Results

Location	Total Change	Unit Change
Short-Term Changes - June 2024 to July 2025		
Average (MHW) Shoreline Change:	ft	ft/yr
Reach 1: (R-76 to R-78)	59.8	59.8
Reach 2: (R-78 to R-90+400)	22.4	22.4
Reaches 3 & 4: R-90+400 to R-102+300)	-11.3	-11.3
Reach 5: (R-102+300 to R-110+100)	-3.2	-3.2
Reach 6: (R-110+100 to R-116+500)	-8.4	-8.4
Reach 7: (R-116+500 to R-128+500)	87.5	87.5
Reach 8: (R-128+500 to R-134)	-5.9	-5.9
Town-Wide	**0.6**	**0.6**
Volumetric Changes (to -26.2* feet):	cy	cy/ft/yr
Reach 1: (R-76 to R-78)	145,699	60.9
Reach 2: (R-78 to R-90+400)	275,247	20.3
Reaches 3 & 4: R-90+400 to R-102+300)	-72,964	-5.3
Reach 5: (R-102+300 to R-110+100)	-221,535	-24.7
Reach 6: (R-110+100 to R-116+500)	-31,188	-4.7
Reach 7: (R-116+500 to R-128+500)	964,092	78.8
Reach 8: (R-128+500 to R-134)	-232,684	-34.0
Town-Wide	**826,667**	**12.8**
Long-Term Changes - August 1990 to July 2025		
Average (MHW) Shoreline Change:	ft	ft/yr
Reach 1: (R-76 to R-78)	219.9	6.5
Reach 2: (R-78 to R-90+400)	57.6	1.7
Reaches 3 & 4: R-90+400 to R-102+300)	48.1	1.4
Reach 5: (R-102+300 to R-110+100)	28.5	0.8
Reach 6: (R-110+100 to R-116+500)	67.9	2.0
Reach 7: (R-116+500 to R-128+500)	127.9	3.8
Reach 8: (R-128+500 to R-134)	-15.0	-0.4
Town-Wide	**60.5**	**1.9**
Volumetric Changes (to -26.2* feet):	cy	cy/ft/yr
Reach 1: (R-76 to R-78)	748,624	9.2
Reach 2: (R-78 to R-90+400)	463,799	1.0
Reaches 3 & 4: R-90+400 to R-102+300)	735,549	1.6
Reach 5: (R-102+300 to R-110+100)	690,927	2.3
Reach 6: (R-110+100 to R-116+500)	566,307	2.5
Reach 7: (R-116+500 to R-128+500)	2,366,579	5.7
Reach 8: (R-128+500 to R-134)	181,499	0.8
Town-Wide	**5,753,284**	**2.6**

Note: cy = cubic yards; cy/ft/yr = cubic yards per foot per year; ft = feet; ft/yr = feet per year; MHW = mean high water

The

monitoring results support the Town's efforts to manage the critically eroded shoreline along its oceanfront. The 2024 to 2025 monitoring results help demonstrate the erosion stresses impacting the Town, whereas the long-term analysis shows the beneficial trends created by the management actions. The discussion in the following sections addresses the analysis results by reach and reinforces the positive strategies implemented since 1990 to maintain the Town's oceanfront.

Reach 1: (R-76 to R-78)

Reach 1 experiences benefits from ongoing placement associated with the Palm Beach Harbor Maintenance Dredging and the STP bypassing operations. Long term, this has resulted in a significant increase in shoreline and volume. Direct beach placement occurred associated with Harbor Maintenance over this monitoring period. Over this monitoring period, the reach exhibited a short-term gain of 59.8 feet (ft) and a volumetric gain of 145,699 cubic yards (cy), or a gain of 60.9 cubic yards per foot per year (cy/ft/yr) during the 2024 to 2025 monitoring period. The short-term shoreline advance and volumetric change rate exceed the long-term trends measured since 1990t. The long-term shoreline position measured from 1990 to 2025 indicates a seaward advancement of 219.9 ft or 6.5 ft per year (ft/yr). The long-term volumetric change rate measured from 1990 to 2025 out to the depth of closure (DOC) equals 748,624 cy or 9.2 cy/ft/yr.

Reach 2: (R-78 to R-90+400)

During this monitoring period, Reach 2 recorded an average shoreline accretion of 22.4 ft and a volumetric gain of 275,247 cy for the 2024 to 2025 monitoring period. The largest shoreline recession occurred at R-82 measuring approximately 22.74 ft. The area also measured a volumetric loss of approximately 18,912 cy between R-82 and R-83. The benefit of sand placement is evident in the long-term trends measured since 1990 for both the shoreline position and volumetric change, however, the net gain is most pronounced in the northern extent of the reach due to direct sand placement. The long-term shoreline advancement measured between 1990 and 2025 equals 57.6 ft or 1.7 ft/yr, and the long-term volumetric change equals 463,799 cy or 1.0 cy/ft/yr. For the majority of Reach 2 (from approximately R-80 to R-90), the reach exhibits a net, long-term volumetric loss in comparison to 1990 conditions. This deficit, however, is lessening over time, and the central portion of this area exhibited a net gain over this monitoring period as sand from Reach 1 and the northern portion of Reach 2 has transported south into the central portions of the reach.

Reaches 3 & 4: (R-90+400 to R-102+300)

Reaches 3 & 4 has benefited from the direct placement of sand associated with the Mid-Town Nourishment Project long term. However, the area in general exhibits loss of volume and shoreline recession in between regular nourishment periods. The shoreline in Reaches 3 & 4 averaged a landward loss during the 2024 to 2025 monitoring period of 11.3 ft. Volumetric losses were observed above mean high water (MHW) of 39,079 cy, with total losses above the DOC of 72,964 cy during this monitoring period. These loss rates are consistent with loss rates that have historically occurred between sand placement events as was the case this year.

The 1990 to 2025 shoreline migration results show an average advance of approximately 48.1 ft, or 1.4 ft/yr since 1990. The volumetric change measurements show an addition of 735,549 cy, or 1.6 cy/ft/yr for the complete reach to the DOC since 1990, of which 186,306 cy is above MHW.

Reach 5: (R-102+300 to R-110+100)

Volumetrically, Reach 5 shows a long-term benefit of material spreading from the Mid-Town project area into this area. Reach 5 experienced a shoreline recession of 3.2 ft during the 2024 to 2025 monitoring period. The shoreline recession measured the greatest in the center of the reach with a landward advance along the northern and southern limits. Overall, Reach 5 exhibited a volumetric loss of 221,535 cy out to the DOC during this monitoring period.

The long-term values measured between 1990 and 2025 show a volumetric gain of 690,927 cy or 2.3 cy/ft/yr. Predominantly, the short-term losses occurred below MHW although there was some volumetric loss above MHW. These results indicate a profile steepening as the MHW contour advances, with a volumetric loss in the lower profile region.

Reach 6: (R-110+100 to R-116+500)

Reach 6 experienced a relatively uniform trend of shoreline recession and volumetric erosion during the 2024 to 2025 monitoring period. The short-term shoreline migration and volumetric change (to MHW) measured an average seaward recession of 8.4 ft/yr and volumetric loss of 31,188 cy, or 4.7 cy/ft/yr. The short-term trends are in contrast to the long-term measurements for shoreline position and volumetric change. The average shoreline advance between 1990 and 2025 measures 67.9 ft or 2.0 ft/yr, and the net volumetric increase measures 566,307 cy, or 2.5 cy/ft/yr.

Reach 7: (R-116+500 to R-128+500)

The monitoring results for Reach 7 reflect the direct effects of the 2024-25 Phipps Nourishment event, which placed approximately 750,000 cy between R-119 and T-125. The shoreline recorded an average landward advance of 87.5 ft and a volumetric gain of 964,092 cy during the 2024 to 2025 monitoring.

A volumetric gain of 2,366,579 cy or 5.7 cy/ft/yr was measured from 1990 to 2025. This gain is a direct result of the Phipps Nourishment project placements in Reach 7. The volumetric gains within this reach are attributable to the multiple beach nourishment that have occurred in this area.

Reach 8: (R-128+500 to R-134+00)

The shoreline in Reach 8 exhibited a short-term recession between 2024 and 2025. The average short-term shoreline position for Reach 8 measured a loss of 5.9 ft during the current monitoring, whereas the long-term shoreline position has receded by 15.0 ft, or 0.4 ft/yr for the 1990 to 2025 monitoring period. Short-term volumetric losses of 232,684 cy were observed during the current monitoring period, which equate to 34.0 cy/ft/yr. The long-term analysis shows a volumetric gain within Reach 8 of approximately 181,499 cy, or 0.8 cy/ft/yr, between 1990 and 2025.

Shoreline North of Lake Worth Inlet

The shoreline from R-68 north to R-75 (north of Lake Worth Inlet) experienced a loss of approximately 94,733 cy or 13.2 cy/ft during the monitoring period. The Palm Harbor Maintenance Dredging influenced the shoreline performance with a removal of approximately 217,000 cy from the base and expanded settling basin adjacent to R-74 and R-75 and the entrance channel. Additionally, another 131,800 cy were bypassed through the STP in 2025. Overall surveys of the shorelines north of the inlet suggest a stable supply of sand to bypassing operations at the inlet.

Town-Wide Sediment Budget

The Town-wide sediment budget is consistent with the overall monitoring results for each reach and indicates the Town's management initiatives place sufficient material to mitigate the shoreline's long-term erosion. The sediment budget analysis shows the Town's annualized nourishment volume equals 240,546 cy/yr for the monitoring period between 1990 and 2025. The nourishment volume exceeds the annualized erosion (74,598 cy/yr) by approximately 165,948 cy/yr.

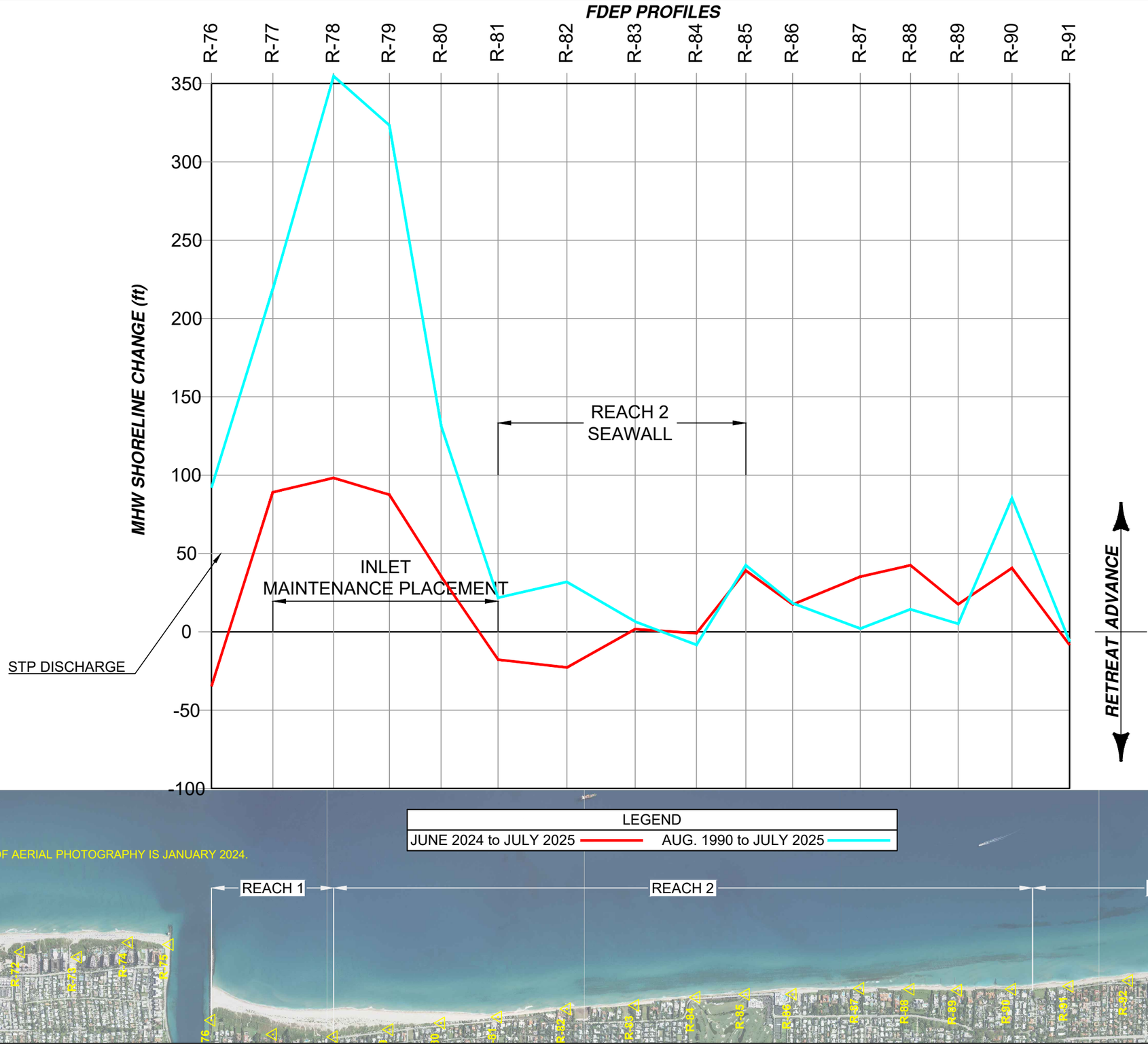


Figure 1a
Shoreline Changes

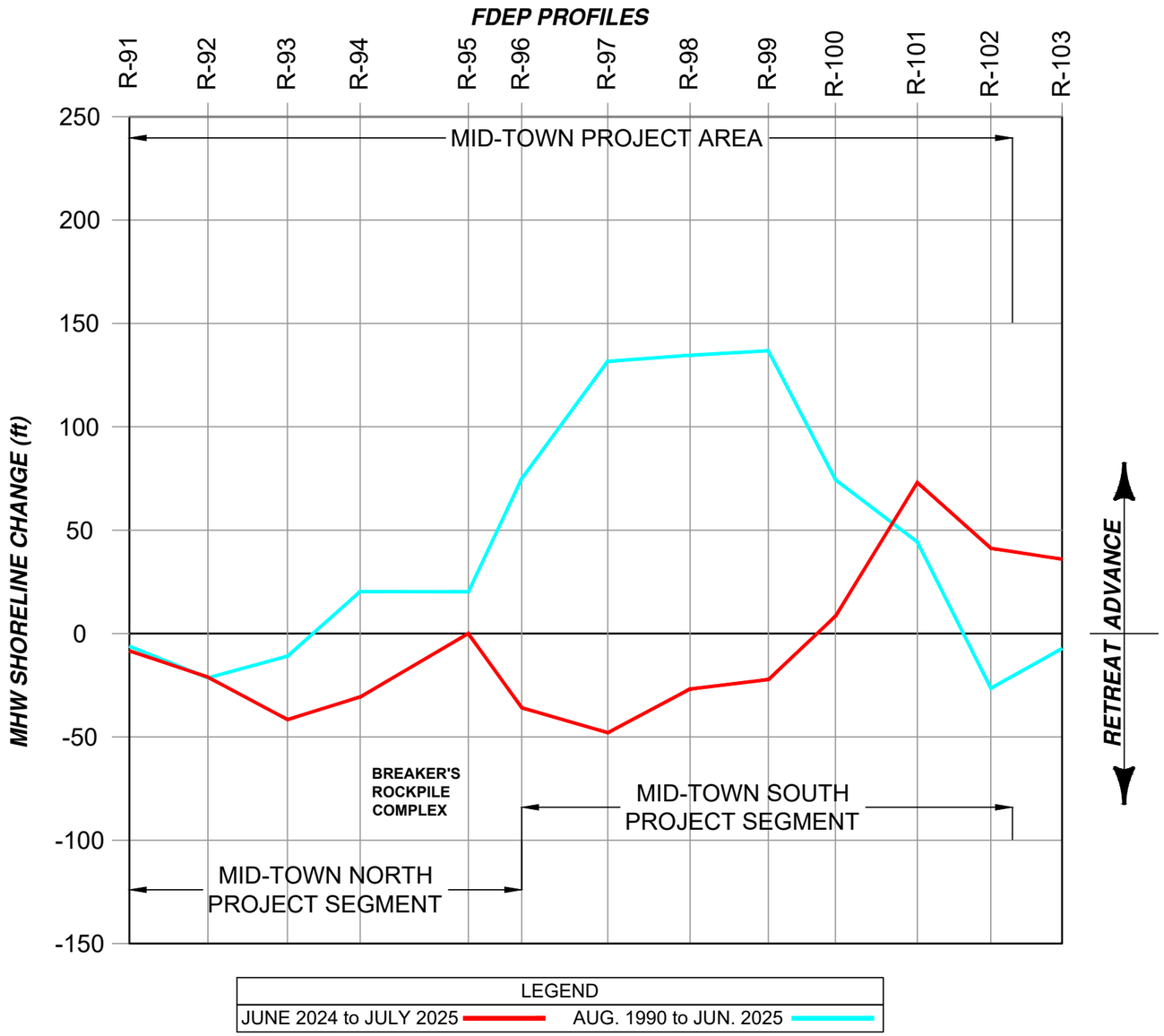
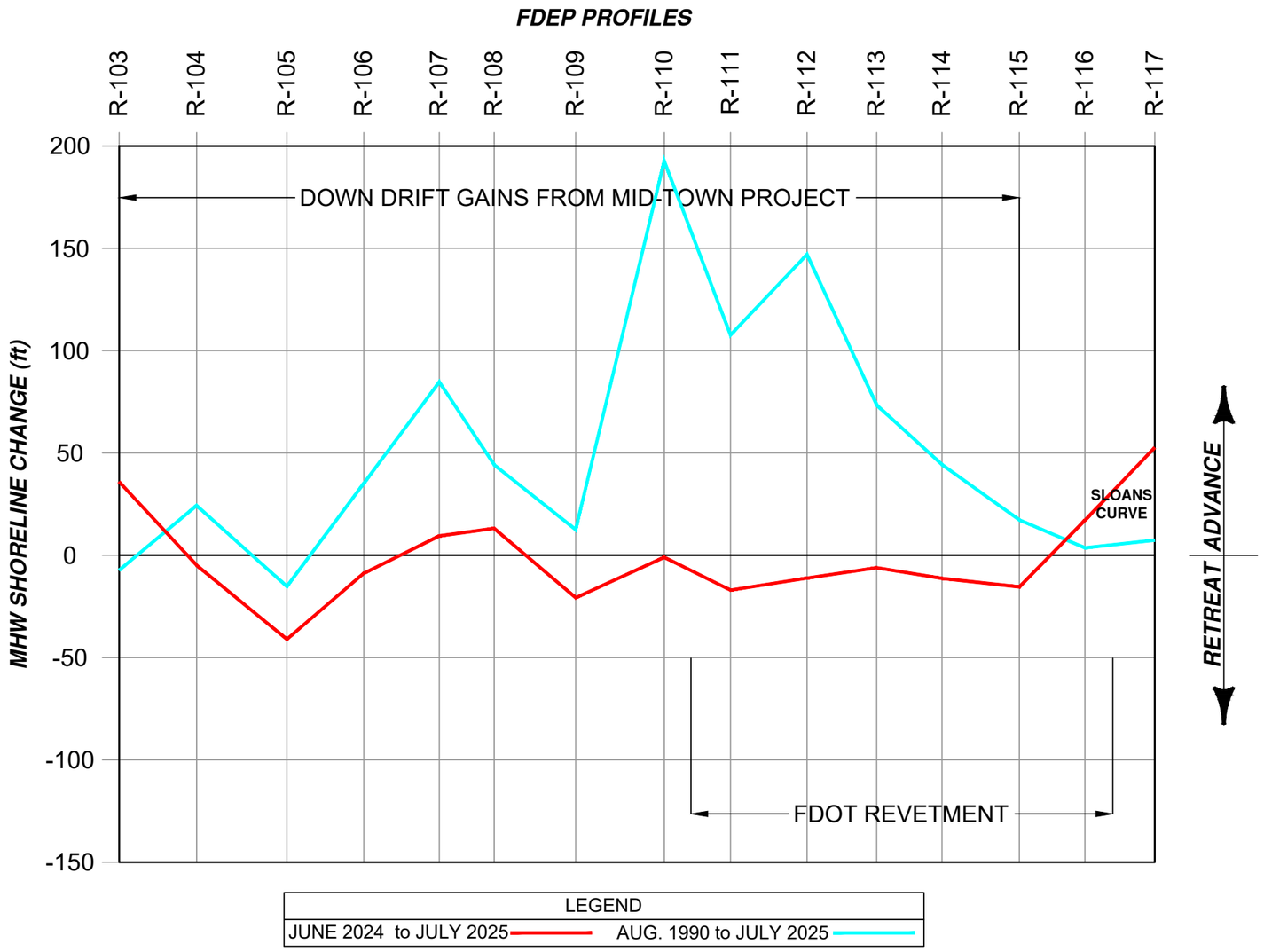


Figure 1b
Shoreline Changes



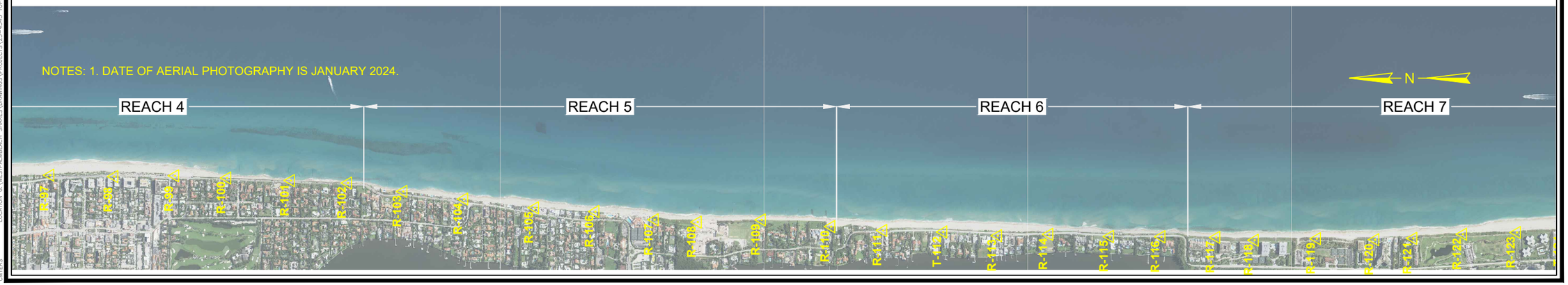
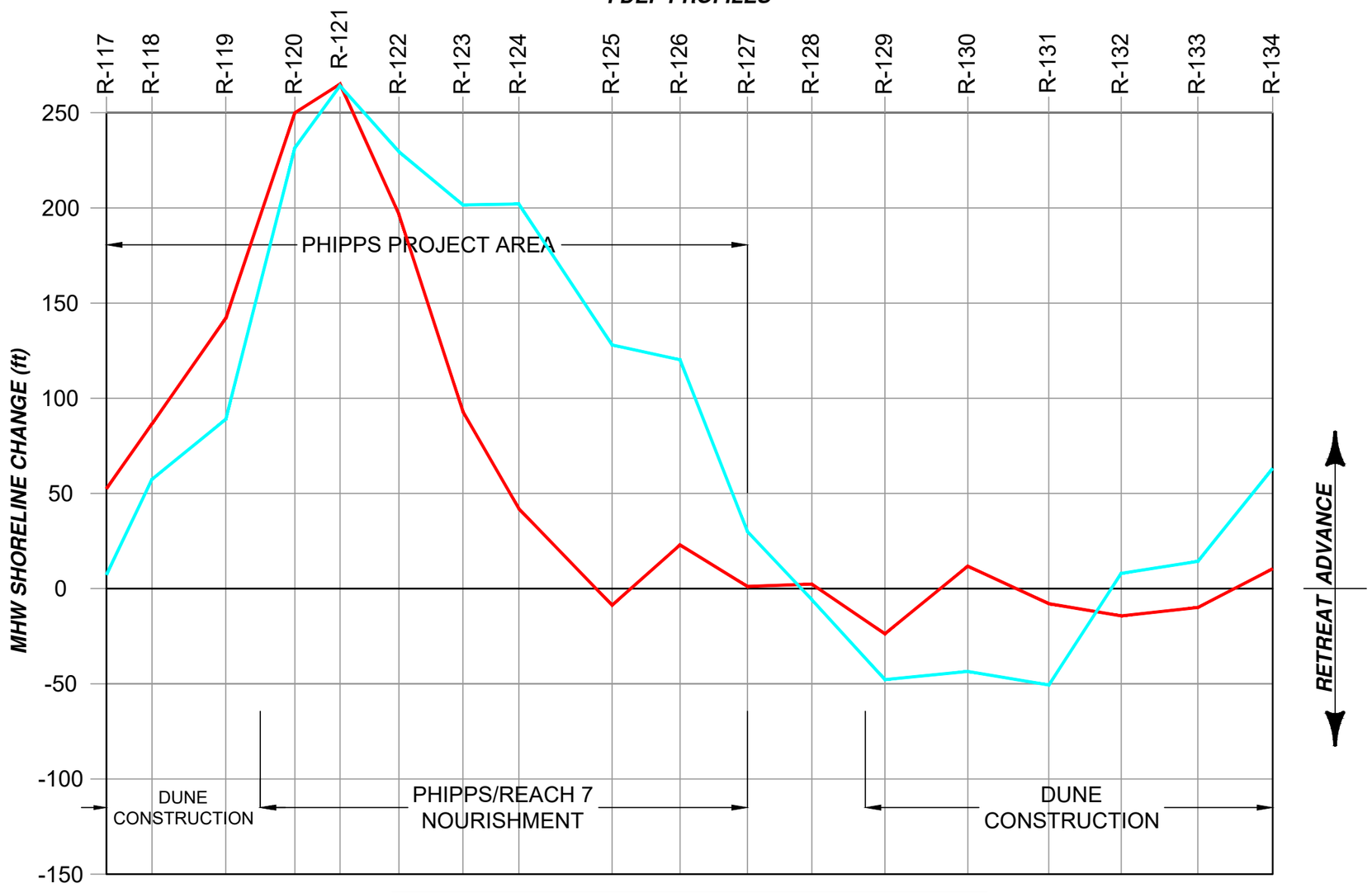


Figure 1c
Shoreline Changes

FDEP PROFILES



LEGEND

JUNE 2024 to JUL. 2025 — AUG. 1990 to JULY 2025

NOTES: 1. DATE OF AERIAL PHOTOGRAPHY IS JANUARY 2024.

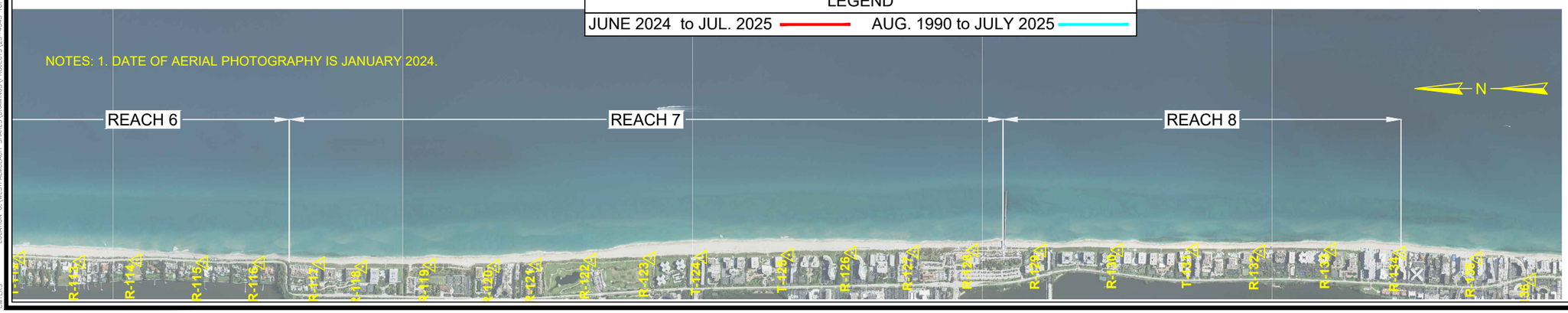


Figure 1d
Shoreline Changes

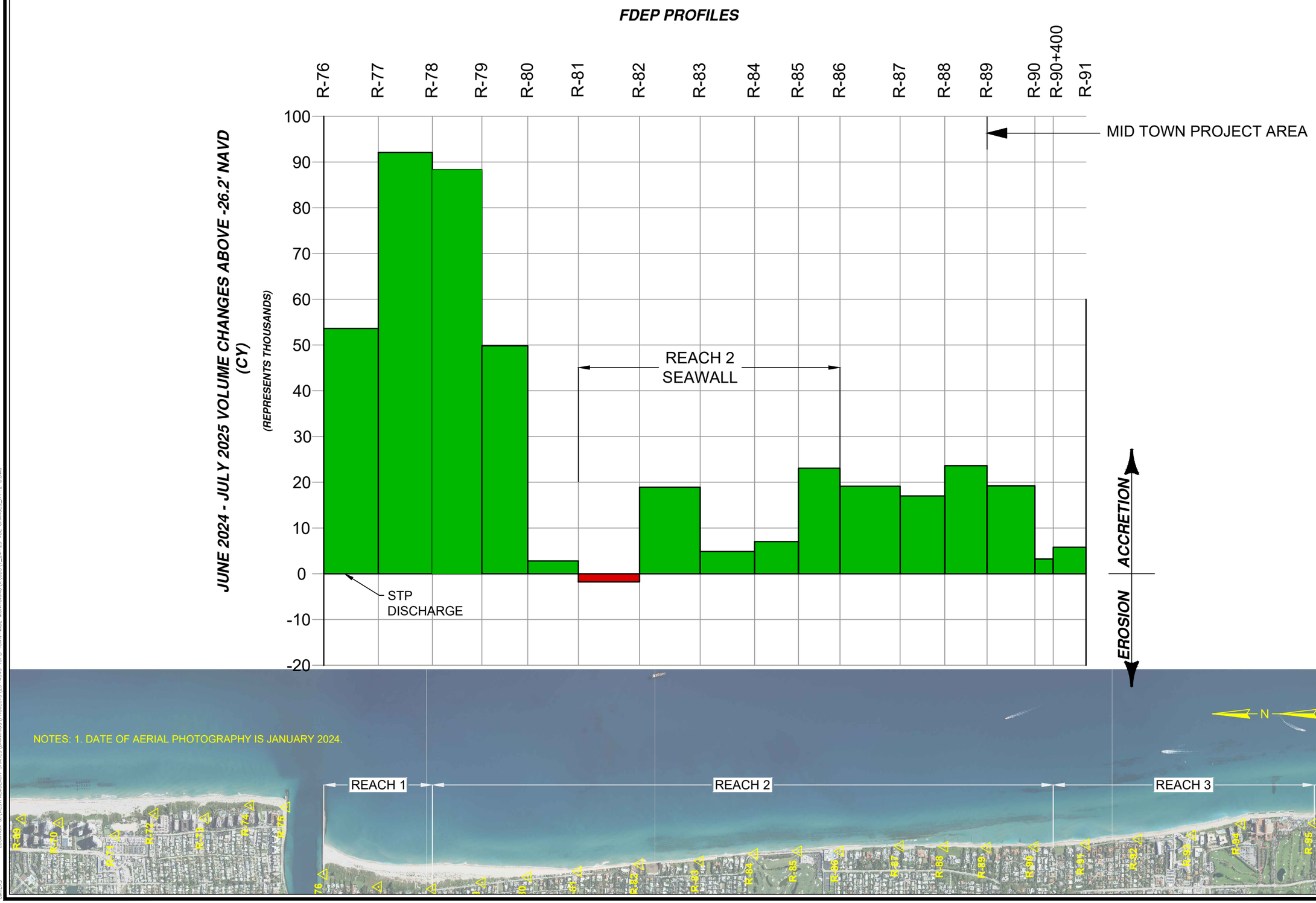


Figure 2a
June 2024 - July 2025 Volume Changes

Figure 2b
June. 2024 - July 2025 Volume Changes

ATM
A Geosyntec Company

NOTES: 1. DATE OF AERIAL PHOTOGRAPHY IS JANUARY 2024.

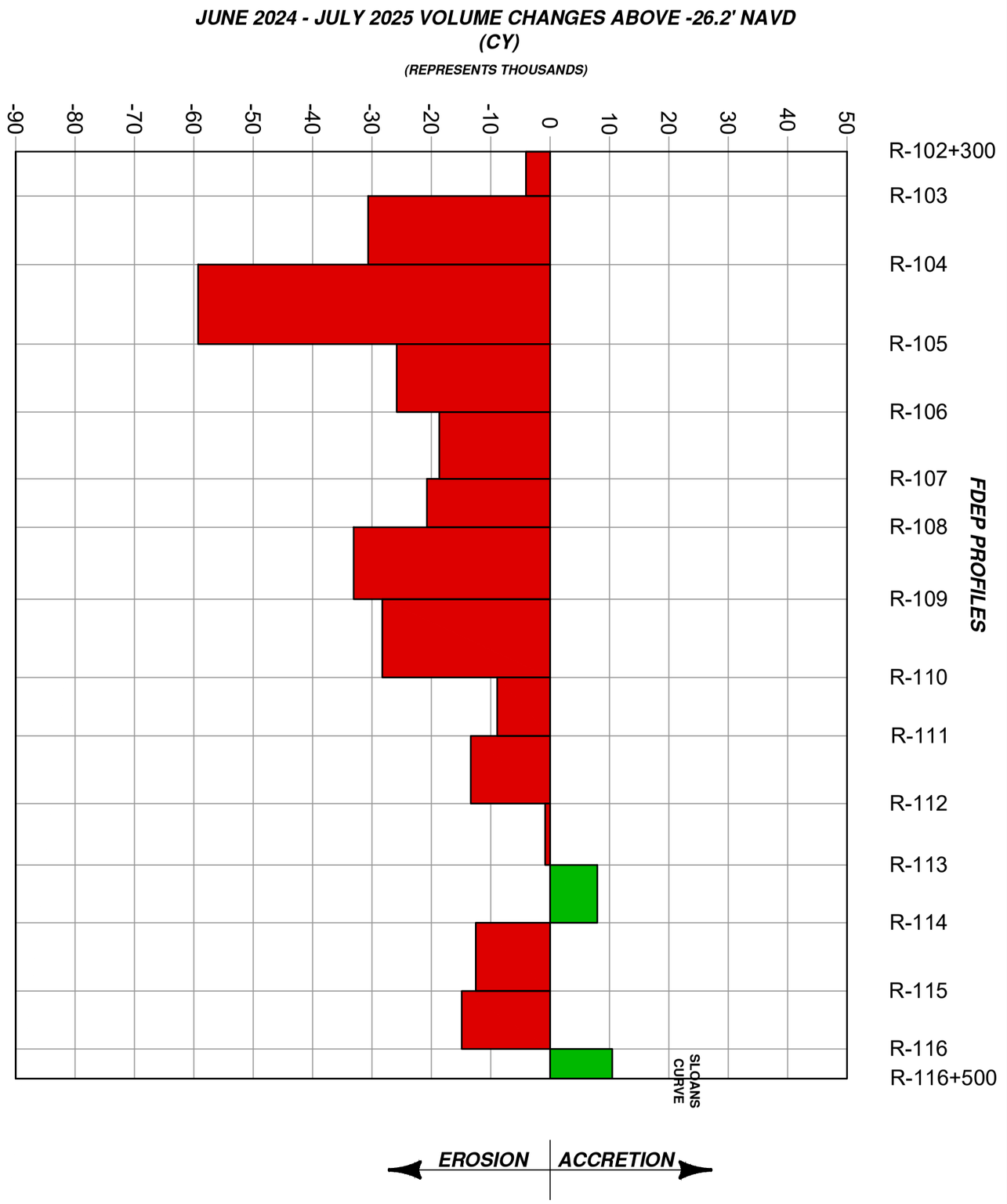


Figure 2c
June 2024 - July 2025 Volume Changes

ATM
A Geosyntec Company

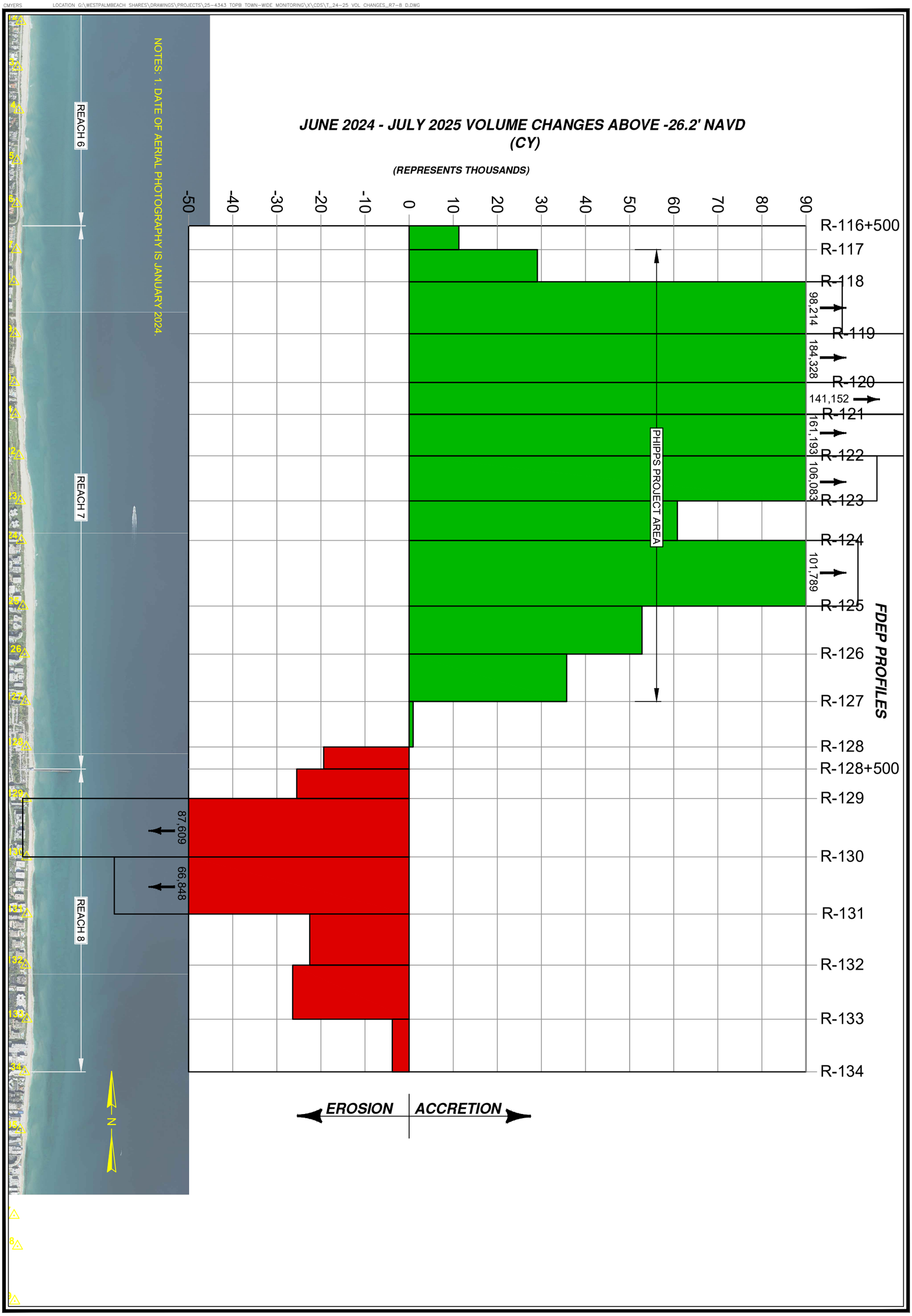
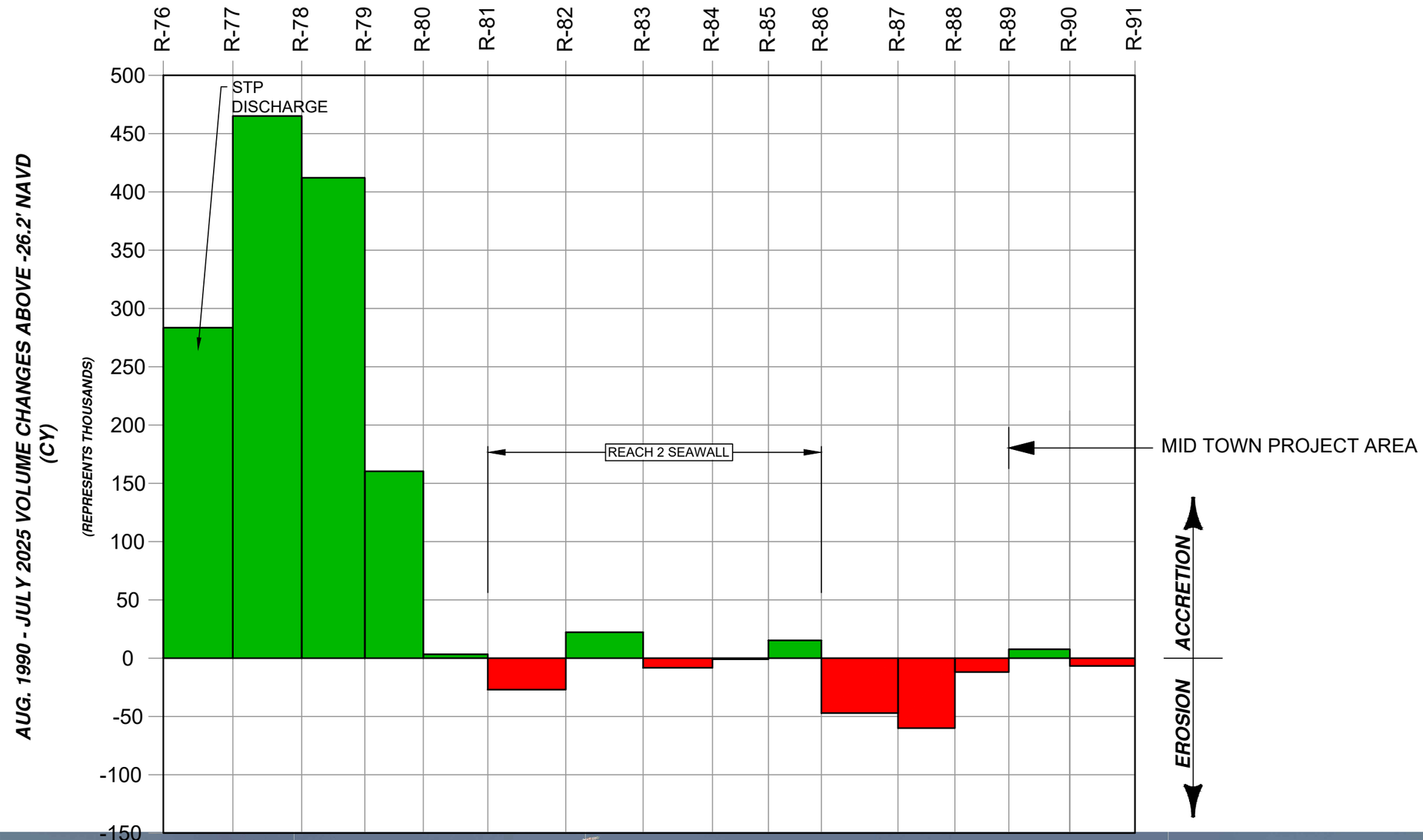


Figure 2d
June 2024 - July 2025 Volume Changes

ATM
A Geosyntec Company

FDEP PROFILES



NOTES: 1. DATE OF AERIAL PHOTOGRAPHY IS JANUARY 2024.

Figure 3a
Aug. 1990 - July 2025 Volume Changes

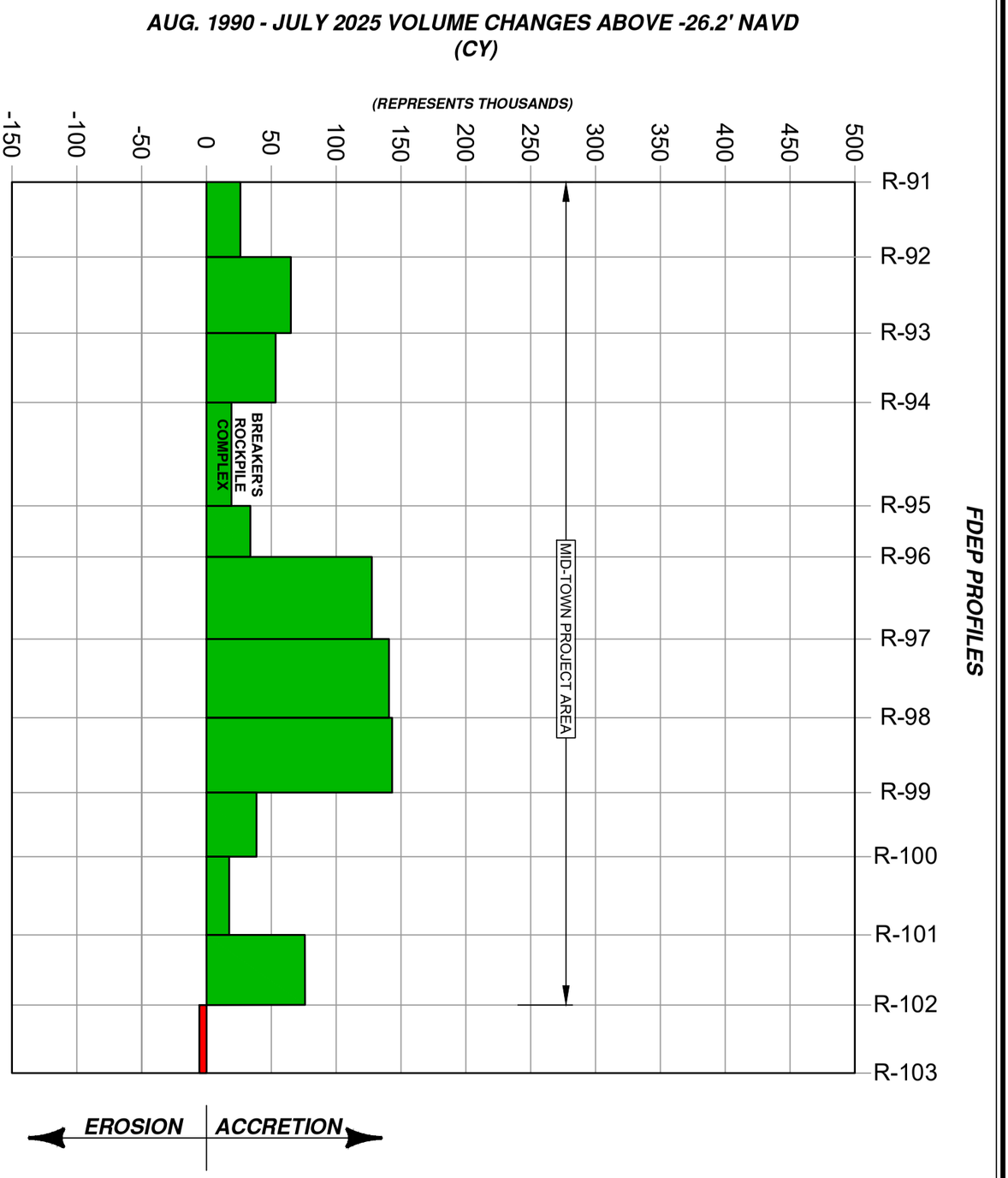


Figure 3b
Aug. 1990 - July 2025 Volume Changes

ATM
A Geosyntec Company

NOTES: 1. DATE OF AERIAL PHOTOGRAPHY IS JANUARY 2024.

AUG. 1990 - JULY 2025 VOLUME CHANGES ABOVE -26.2' NAVD (CY)

(REPRESENTS THOUSANDS)

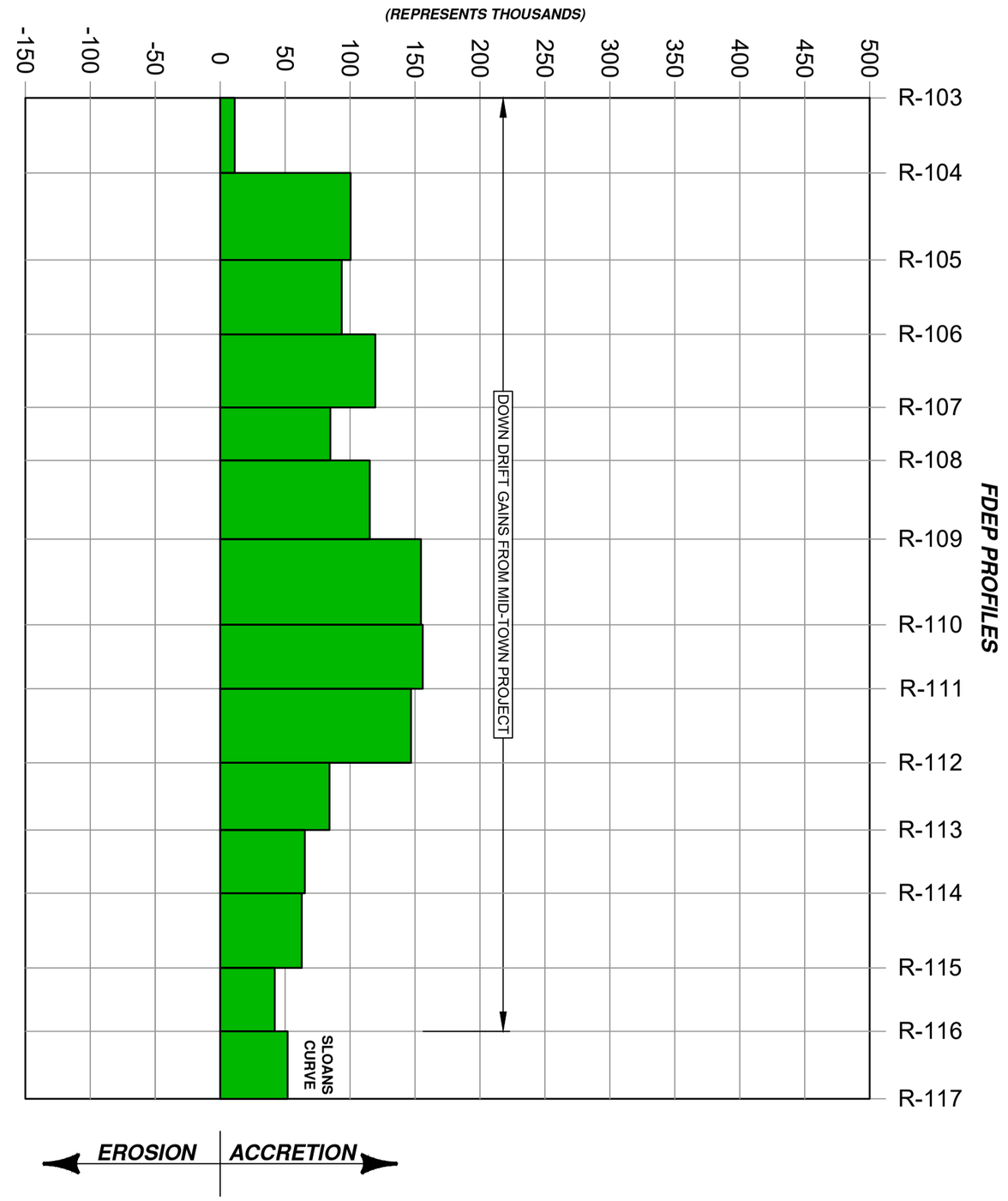


Figure 3c
Aug. 1990 - July 2025 Volume Changes

ATM
A Geosyntec Company

NOTES: 1. DATE OF AERIAL PHOTOGRAPHY IS JANUARY 2024.

AUG. 1990 - JULY 2025 VOLUME CHANGES ABOVE -26.2' NAVD (CY)

(REPRESENTS THOUSANDS)

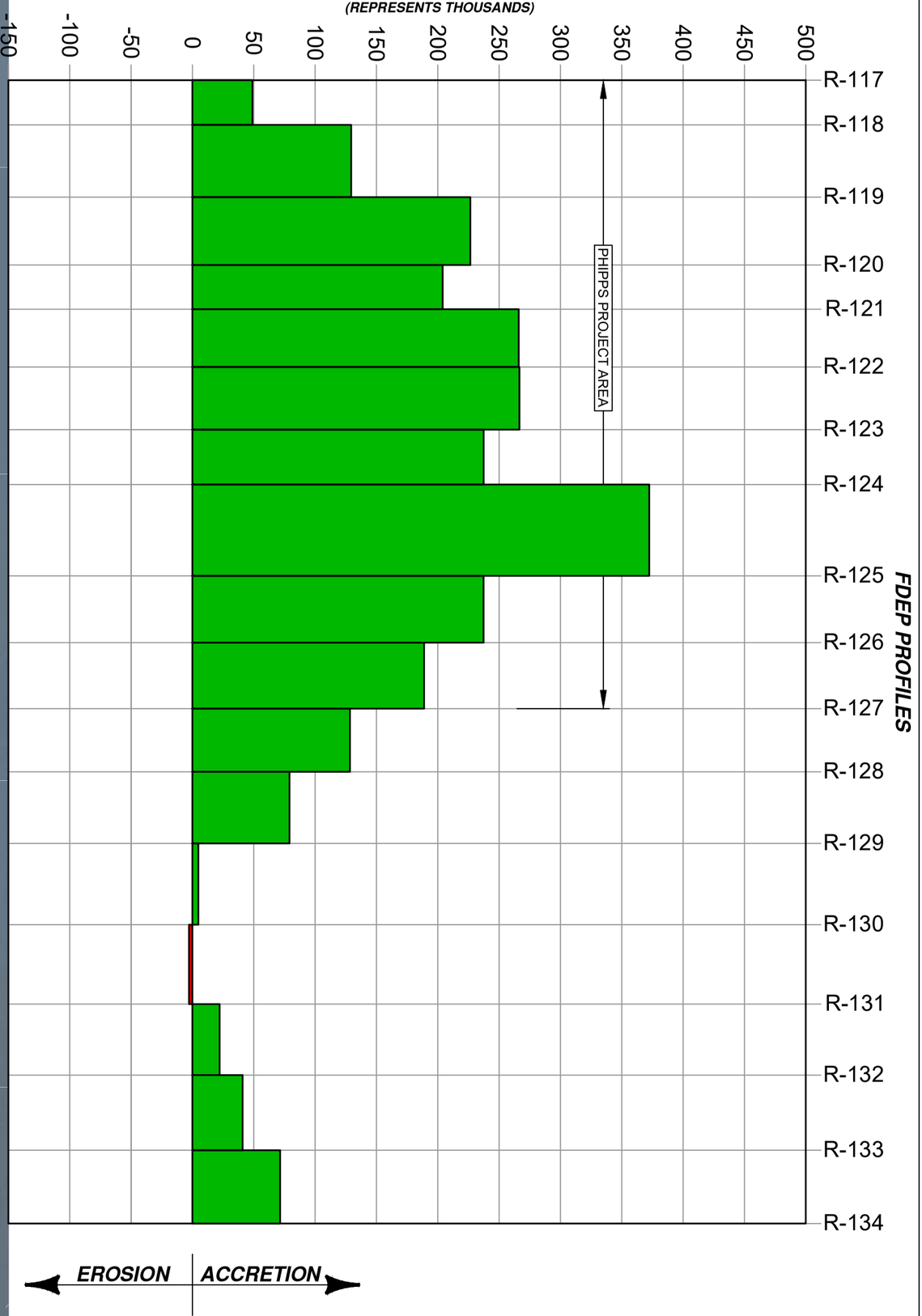


Figure 3d
Aug. 1990 - July 2025 Volume Changes

ATM
A Geosyntec Company

Coastal Management Program Requested FY 2026 Budget and 10 Year Plan

	Project Name	Accumulated Project Budget Through FY2025	FY2025 Available Balance as of 4/28/25	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034	FY2035
	EXPENDITURES												
	ANNUAL PROGRAM ACTIVITIES												
1	Coastal Management Program Operating Expenses		$ -	$ 204,841	$ 210,986	$ 217,316	$ 223,835	$ 230,550	$ 237,467	$ 244,591	$ 251,929	$ 259,486	$ 267,271
2	BMA Physical Monitoring (BMA Required)		$ 163,980	$ 257,500	$ 265,225	$ 273,182	$ 281,377	$ 289,819	$ 298,513	$ 307,468	$ 316,693	$ 326,193	$ 335,979
3	BMA Sea Turtle Nesting Monitoring (BMA Required)		$ -	$ 297,826	$ 306,761	$ 315,964	$ 325,443	$ 335,206	$ 345,262	$ 355,620	$ 366,288	$ 377,277	$ 388,595
4	BMA Biological Monitoring (BMA Required)		$ 215,574	$ 323,998	$ 333,718	$ 343,729	$ 354,041	$ 364,663	$ 375,602	$ 386,871	$ 398,477	$ 410,431	$ 422,744
5	BMA Beach Tilling (Reaches 1, 2, 3, 4, And 7)		$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
6	BMA Escarpment Removal (Reaches 1, 2, 3, 4, And 7)		$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
7	Flooding And Climate Change		$ 923,180	$ 309,000	$ 319,000	$ 328,000	$ 338,000	$ 348,000	$ 358,000	$ 369,000	$ 380,000	$ 391,000	$ 402,000
8	Water Level Monitoring		$ -	$ 15,500	$ 15,500	$ 15,500	$ 15,500	$ 15,500	$ 15,500	$ 15,500	$ 15,500	$ 15,500	$ 15,500
9	Lobbying		$ 21,500	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000
10	Dune Vegetation Maintenance		$ 296,192	$ 55,000	$ 58,000	$ 61,000	$ 64,000	$ 67,000	$ 70,000	$ 74,000	$ 78,000	$ 82,000	$ 86,000
11	General Coastal Engineering		$ 65,119	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000
12	Annual Debt Service Payment		$ -	$ 511,417	$ 512,778	$ 512,395	$ 511,062	$ 510,867	$ 510,832	$ 511,710	$ 512,772	$ 512,562	$ 513,298
13	Beach Cleaning (Public Beaches)		$ 113,075	$ 206,000	$ 212,180	$ 218,545	$ 225,102	$ 231,855	$ 238,810	$ 245,975	$ 253,354	$ 260,955	$ 268,783
14	Public Communication		$ 9,261	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000
	Annual Program Activities Subtotal		**$ 1,827,881**	**$ 2,581,082**	**$ 2,634,148**	**$ 2,685,631**	**$ 2,738,360**	**$ 2,793,459**	**$ 2,849,987**	**$ 2,910,734**	**$ 2,973,012**	**$ 3,035,404**	**$ 3,100,171**
	PLANNED PROJECTS												
1	Townwide: Seawall/Non-Structural Inventory Assessment & Analysis	$ 1,116,000	$ 1,116,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2	Townwide: Seawall Replacement/ Last Line of Defense Rehabilitation	$ 6,000,000	$ -	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000
3	Townwide: Shoreline Fortification (Lagoon side)		$ -	$ 650,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Townwide: Groin Assessment	$ 70,000	$ 70,000	$ -	$ -	$ -	$ 80,000	$ -	$ -	$ -	$ -	$ 80,000	$ -
5	Townwide: Regional Sand Needs/ Sand Search	$ 1,950,000	$ 256,530	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Inlet: Sand Transfer Plant Maintenance		$ 57,606	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000
7	Inlet: Sand Transfer Plant Repairs	$ 2,024,919	$ 1,915,739	$ -	$ -	$ 250,000	$ -	$ -	$ 250,000	$ -	$ -	$ -	$ 250,000

Coastal Management Program Requested FY 2026 Budget and 10 Year Plan (continued)

	Project Name	Accumulated Project Budget Through FY2025	FY2025 Available Balance as of 4/28/25	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034	FY2035
8	Inlet: Sand Forepassing		$ 385,000	$ -	$ 742,000	$ -	$ 787,000	$ -	$ 803,000	$ -	$ 819,000	$ -	$ 835,000
9	Bradley Park Bulkhead Replacement		$ -	$ -	$ -	$ 600,000	$ 10,000,000	$ -	$ -	$ -	$ -	$ -	$ -
10	N Lake Way Living Shoreline		$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Mid-Town Beach Renourishment Engineering/Permitting		$ -	$ -	$ 500,000	$ -	$ -	$ 1,000,000	$ -	$ -	$ -	$ 500,000	$ -
12	Mid-Town Beach Renourishment Construction	$ 3,000,000	$ 1,746,419	$ -	$ 16,000,000	$ -	$ -	$ -	$ 1,400,000	$ -	$ -	$ 20,000,000	$ -
13	Mid-Town Groin Replacement	$ 3,000,000	$ 2,886,181	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	Mid-Town Seawall Replacement	$ 11,500,000	$ 16,372,989	$ 1,000,000	$ 6,800,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15	Mid-Town Temporary Dune		$ -	$ -	$ 430,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Mid-Town Mitigation - Coral Nursery/ Transplantation (Regulatory Required)		$ 200,000	$ 100,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000
17	Mid-Town Mitigation - Artificial Reef Construction [*Carryover from FY 16]	$ 7,040,942	$ 6,679,836	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
18	Reach 7: Phipps Nourishment Engineering/Permitting		$ -	$ -	$ -	$ -	$ -	$ -	$ 400,000	$ -	$ -	$ 90,000	$ -
19	Reach 7: Phipps Ocean Park/Reach 7 Beach Nourishment Construction	$ 23,350,000	$ 5,512,789	$ -	$ -	$ -	$ -	$ -	$ 27,600,000	$ -	$ -	$ 1,400,000	$ -
20	Reach 8: South End Palm Beach Restoration Permitting		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21	Reach 8: Construction Access Easement and Site Restoration		$ -	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000	$ -	$ -	$ 150,000	$ -
22	Reach 8: Dune/Beach Construct Concurrently with Mid-Town or Phipps	$ 3,073,828	$ 3,073,828	$ -	$ -	$ -	$ -	$ -	$ 3,500,000	$ -	$ -	$ 3,600,000	$ -
23	Reach 8: Biological Monitoring (Non-BMA, Regulatory Required)				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
24	Reach 8: Project Engineering Report (Non-BMA, Regulatory Required)				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
25	Reach 8: Beach Tilling (Non-BMA, Regulatory Required)				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
26	Reach 8: Escarpment Removal (Non-BMA, Regulatory Required)				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
27	Expenditures/Encumbrances to Date		$ 23,679,340										
	Planned Projects Subtotal		**$ 63,952,257**	**$ 1,920,000**	**$ 25,692,000**	**$ 2,070,000**	**$ 12,087,000**	**$ 2,220,000**	**$ 35,323,000**	**$ 1,220,000**	**$ 2,039,000**	**$ 27,040,000**	**$ 2,305,000**
	TOTALS		**$ 65,780,138**	**$ 4,501,082**	**$ 28,326,148**	**$ 4,755,631**	**$ 14,825,360**	**$ 5,013,459**	**$ 38,172,987**	**$ 4,130,734**	**$ 5,012,012**	**$ 30,075,404**	**$ 5,405,171**

Coastal Management Program Requested FY 2026 Budget and 10 Year Plan (continued)

Source	FY2025 Estimated	FY2026 Estimated	FY2027 Estimated	FY2028 Estimated	FY2029 Estimated	FY2030 Estimated	FY2031 Estimated	FY2032 Estimated	FY2033 Estimated	FY2034 Estimated	FY2035 Estimated
						Outlook					
REVENUES											
General Fund Transfer	$ 5,791,205	$ 6,370,326	$ 7,007,359	$ 7,708,094	$ 8,478,904	$ 9,326,794	$ 10,259,474	$ 11,285,421	$ 12,413,963	$ 13,655,360	$ 15,020,895
County	$ 4,670,000	$ -	$ -	$ -	$ -	$ -	$ 5,520,000	$ -	$ -	$ 280,000	$ -
State portion of FEMA projects	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
State	$ 10,876,950	$ 659,493	$ 7,231,278	$ 699,656	$ 720,646	$ 742,265	$ 12,893,533	$ 787,469	$ 811,093	$ 10,975,426	$ 860,489
Federal	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,190,000	$ -
FEMA (including Mid-Town, Phipps, and Reach 8)	$ 5,330,914	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Bonds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest	$ 700,000	$ 700,000	$ 600,000	$ 600,000	$ 600,000	$ 600,000	$ 600,000	$ 600,000	$ 600,000	$ 600,000	$ 600,000
Grants Receivable	$ 3,700,000										
TOTALS	**$ 31,069,069**	**$ 7,729,819**	**$ 14,838,636**	**$ 9,007,751**	**$ 9,799,550**	**$ 10,669,059**	**$ 29,273,007**	**$ 12,672,890**	**$ 13,825,056**	**$ 33,700,786**	**$ 16,481,384**
NET ANNUAL COST											
	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)	Surplus/ (Deficit)
Surplus/Deficit	**$ (34,711,069)**	**$ 3,228,737**	**$ (13,487,512)**	**$ 4,252,120**	**$ (5,025,810)**	**$ 5,655,600**	**$ (8,899,980)**	**$ 8,542,156**	**$ 8,813,044**	**$ 3,625,381**	**$ 11,076,214**
FUND BALANCE											
Fund Balance 10/1	**$ 44,138,883**	**$ 9,427,814**	**$ 12,656,551**	**$ (830,960)**	**$ 3,421,159**	**$ (1,604,651)**	**$ 4,050,949**	**$ (4,849,031)**	**$ 3,693,125**	**$ 12,506,169**	**$ 16,131,550**
Fund Balance 9/30	**$ 9,427,814**	**$ 12,656,551**	**$ (830,960)**	**$ 3,421,159**	**$ (1,604,651)**	**$ 4,050,949**	**$ (4,849,031)**	**$ 3,693,125**	**$ 12,506,169**	**$ 16,131,550**	**$ 27,207,764**

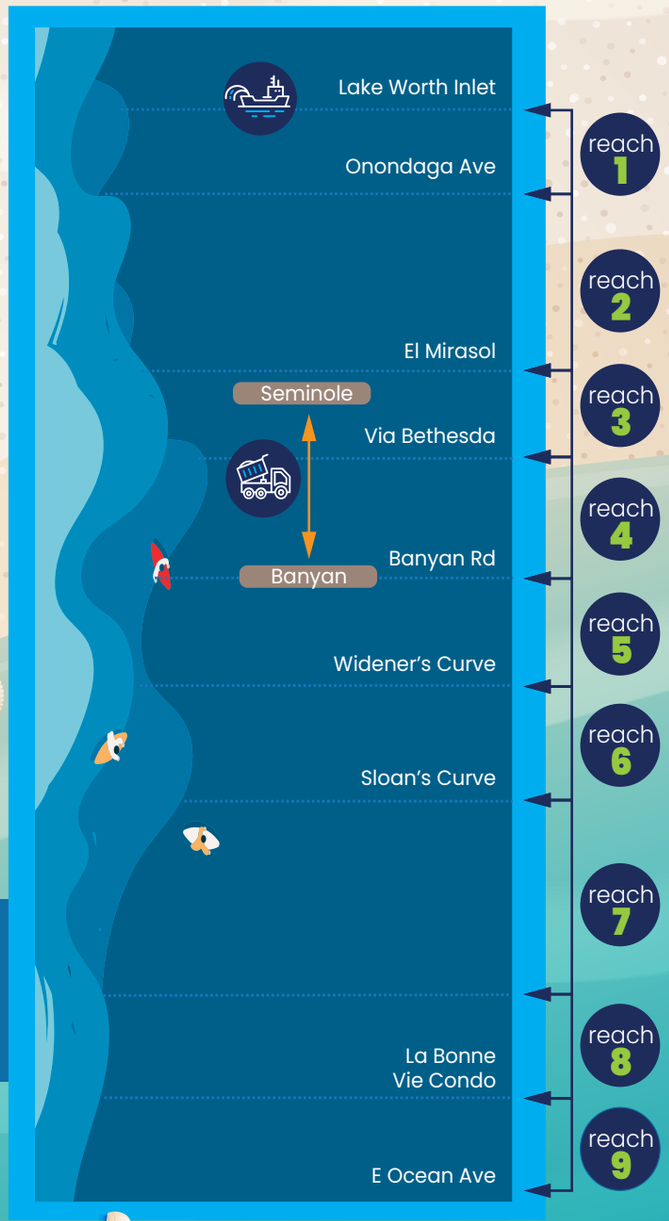
Town of Palm Beach

Mid-Town Beach Renourishment

Protecting our Homes and our Beaches Today and for the Future

Due to storm damage, approximately 500,000 cubic yards of sand are planned to be dredged offshore and placed on the beach in Mid-Town.

Over the next few months, the U.S. Army Corps of Engineers in partnership with the Town of Palm Beach will be restoring sand lost due to storm damage along the federally authorized Mid-Town Beach project area. The project includes sand placement along the beach from Seminole Ave to Banyan Road.



Project Summary

1. Sand will be dredged from Palm Beach Harbor or offshore borrow areas.
2. The sand will be pumped to the beach via pipeline, then graded and spread.
3. The beach will be accessed through Sunset Avenue and Peruvian Avenue, and equipment will be staged at Clarke Avenue.

Construction Window
January 2026 - April 2026
For project updates visit townofpalmbeach.com/133/Coastal-Protection

All work is taking place at a time of year when it has the least impact on sea turtles. Beach access closures will be minimized to the greatest extent possible. Weather conditions, technical and equipment challenges, and funding timelines can all contribute to changes in starting dates and estimated completion dates.

Learn more about the Town's Coastal Beach Management Plan, beach closures and progress updates

Scan here

Questions or concerns? Visit townofpalmbeach.com or Call 561-838-5440