

Lake Worth Inlet Maintenance Dredging

- The U.S. Army Corps of Engineers (USACE) will award a contract to dredge over 100,000 cubic yards of sand from the Lake Worth Inlet.
- The sand will be placed on the beach in Reach 1.
- The Town will also be mining sand from Reach 1 and trucking it to Reach 2
- This work is expected to start in January of 2025.



Mid-Town Seawall Replacement

- The seawall replacement design has been completed.
- Permits have been issued.
- Due to ongoing construction in Mid-Town, the award for construction has been delayed until other construction projects have been completed.
- Anticipated construction start is November 2027.



Mid-Town FCCE (Mid-Town Nourishment)

- USACE has received funding for a Flood Control and Coastal Emergency project to replace sand lost in the Federally authorized Mid-Town Beach Renourishment project due to Hurricane Ian impacts.
- Town staff are working with USACE in an effort to implement this project as soon as possible.
- FCCE projects are funded 100% by USACE.
- Due to limited amount of sand in the borrow areas, USACE had to complete an environmental review which required a delay of the project until November 2025
- Town staff are working to secure 10 remaining non-compliant easements.



Phipps Nourishment Project

- Construction of a 750,000 cubic yard renourishment project is underway
- Construction will include dune placement up to Sloan's curve
- A cost-share agreement with FEMA to offset losses from Hurricane Nicole last year is in process.
- Great Lakes Dredge and Dock Company have been awarded the contract.
- Mobilization will occur imminently.



Reach 8

- FDEP RAI response #2 submitted to Department staff in draft form and currently being reviewed.
- Regulatory agency consultations ongoing.
- Sand will be trucked into Reach 8 to create dunes as part of the Phipps Ocean Park Renourishment Project.
- Access will be through the southern portion of the Lake Worth Beach Park area.



Reach 9 Dune Restoration

- Funds to offset impacts from Hurricane Nicole have been made available by the FDEP.
- Anticipated placement to occur beginning in November 2024 with Phipps project.



Groin Rehabilitation

- USACE permit modification filed for 5-year time extension.
- NMFS consultation is ongoing



TOWN OF PALM BEACH

SHORELINE CONDITION ASSESSMENT

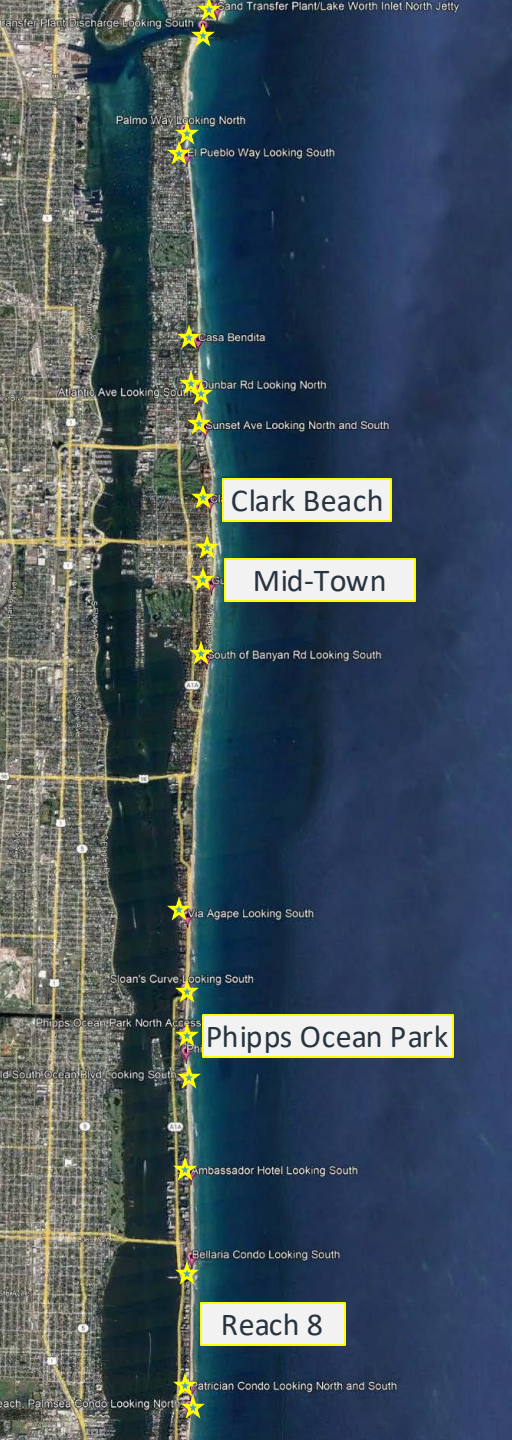
NOVEMBER 2024

Shore Protection Board Meeting
November 14, 2024

Thomas Pierro, D.CE, PE
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NOVEMBER 2024 CONDITION UPDATE

- 16 site visits with photo assessments since August 2023
- 20 locations from Lake Worth Inlet to South Palm Beach
- Hurricane Milton followed by weeks of heavy winds
- Key areas of interest:
 - Clark Beach
 - Mid-Town Public Beach
 - Phipps Ocean Park
 - Reach 8
- General observations:
 - Milton overtopping
 - Seasonal erosion
 - Impacts absorbed

Pre-Milton (October 8, 2024)



Post-Milton (October 14, 2024)



TOWN OF PALM BEACH SHORES

SAND TRANSFER PLANT/LAKE WORTH INLET NORTH JETTY



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 1
SAND TRANSFER PLANT DISCHARGE
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 2
PALMO WAY
LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 2
EL PUEBLO WAY
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 3
DUNBAR ROAD
LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 3

ATLANTIC AVENUE

LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 3
SUNSET AVENUE
LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 3 SUNSET AVENUE LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 4
CLARKE AVENUE
LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 4 GULFSTREAM ROAD LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 4
GULFSTREAM ROAD
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 6 VIA AGAPE LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 7
PHIPPS OCEAN PARK, NORTH ACCESS
LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 7
PHIPPS OCEAN PARK, NORTH ACCESS
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 7

PHIPPS OCEAN PARK, SOUTH ACCESS

LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 7
OLD SOUTH OCEAN BOULEVARD
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 7
AMBASSADOR HOTEL
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 8 BELLARIA CONDOMINIUM LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

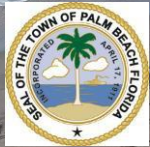
REACH 8 PATRICIAN CONDOMINIUM LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 8
PATRICIAN CONDOMINIUM
LOOKING SOUTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

REACH 9

TOWN OF SOUTH PALM BEACH, PALMSEA CONDOMINIUM
LOOKING NORTH



CONDITION UPDATE
NOVEMBER 2024

2024/11/12

THANK YOU!

**Shore Protection Board Meeting
November 14, 2024**

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COASTAL
PROTECTION
ENGINEERING