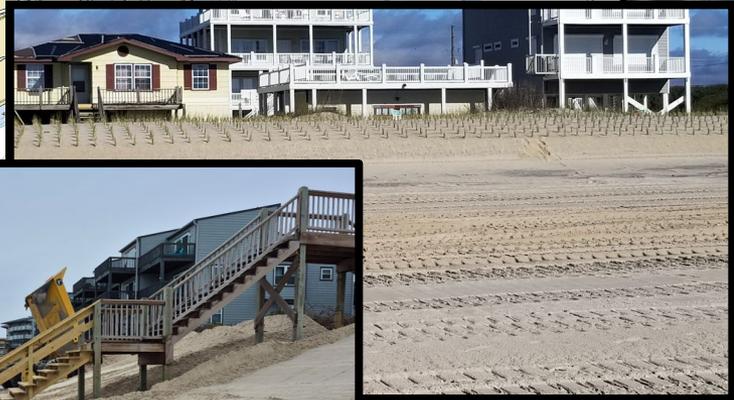
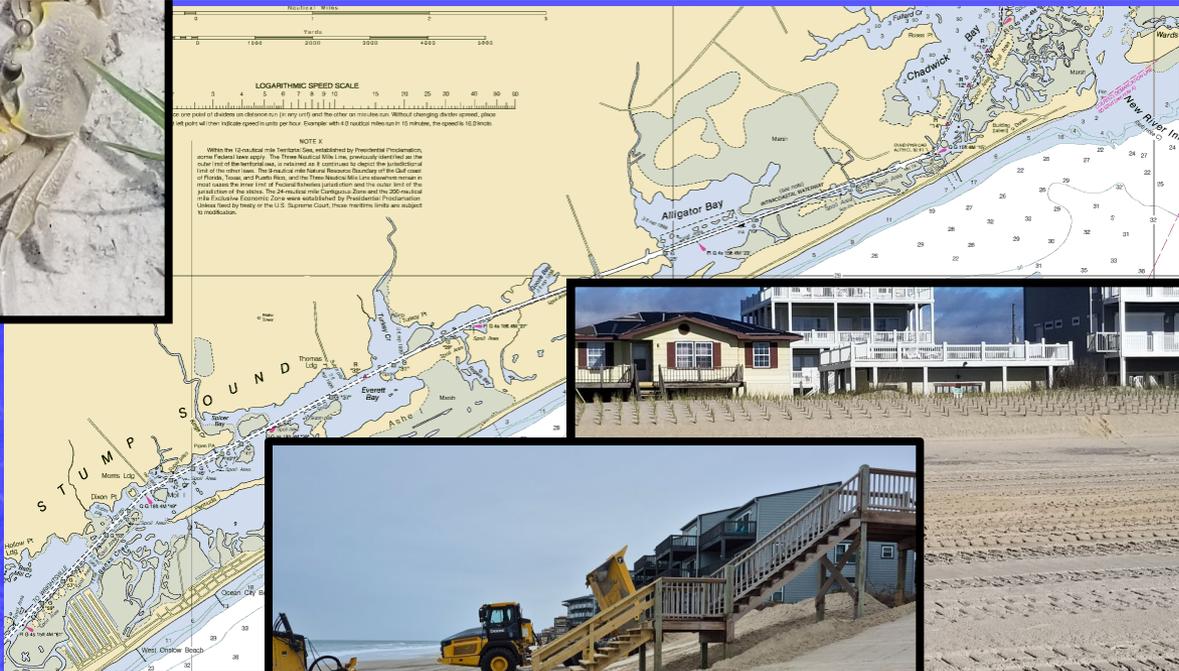


North Topsail Beach Coastal Update March 2026



Marina, Coastal, Environmental
& Water Resources Engineers

Recent and Upcoming Projects Overview

State Grant, Beneficial Reuse, FEMA, Corps Projects



USACE Navigation Dredging and Placement Phase 1 Corps Beneficial Reuse Project

Completed at end of February 2025. Long pumping distance presents a challenge for dredgers.

Dredging

Fill Placement

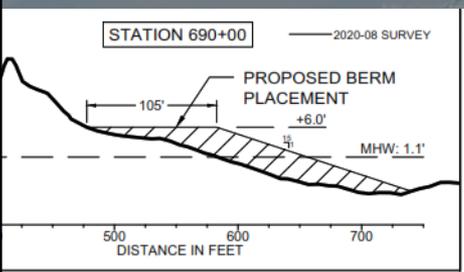


77,000 cy
Placement North of Topsail
Reef Condos

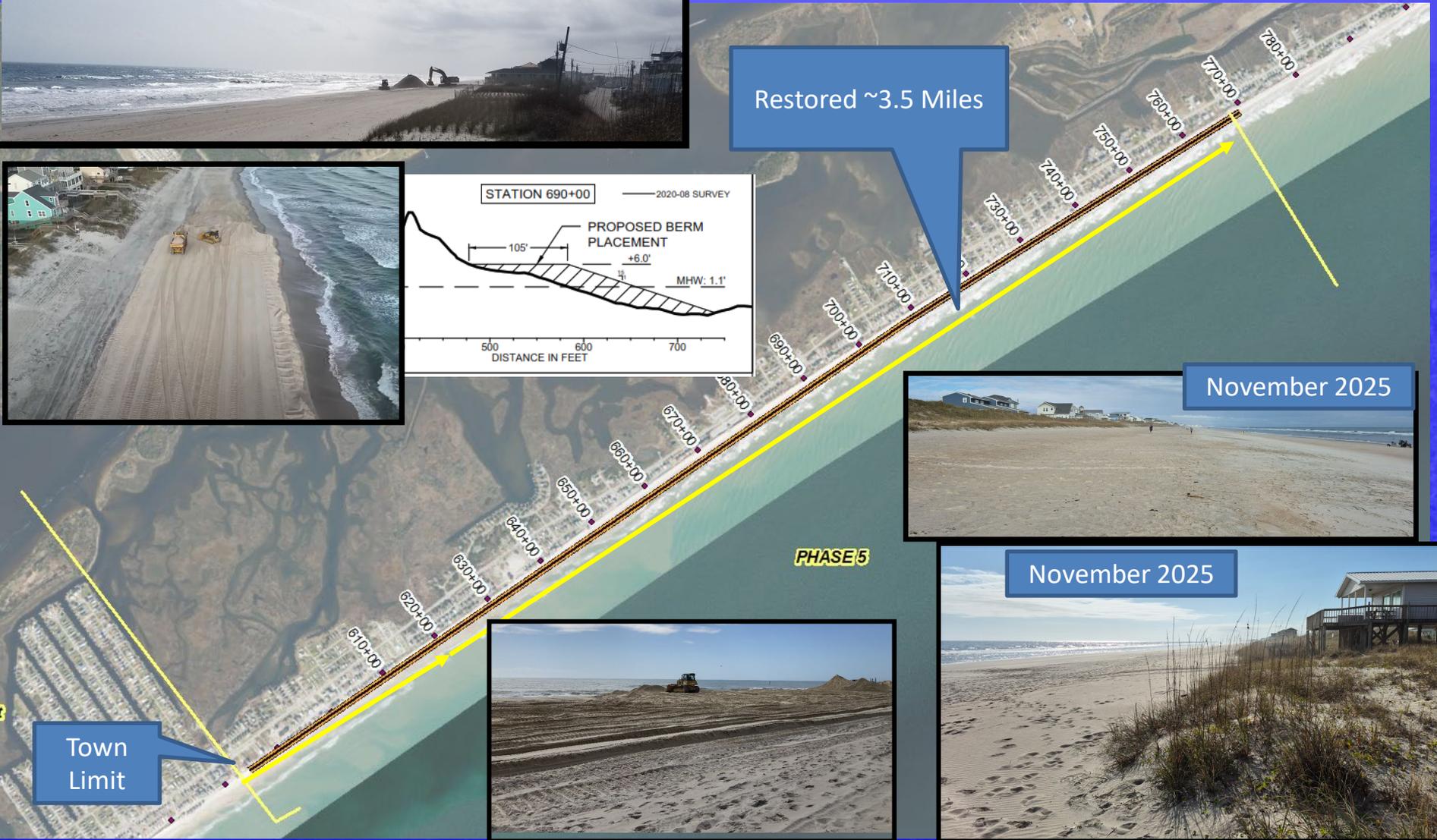


No USACE Intracoastal Waterway dredging planned for this winter (2026)
USACE plans for next winter will be announced this spring

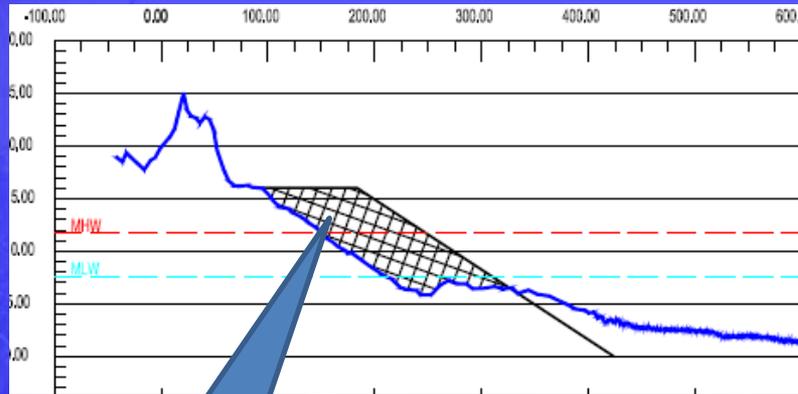
Completed FEMA Mitigation Nourishment in Phase 5 (and some Phase 4) Beach (not Dune) Nourishment. ~3.5 Miles of Restored Beach. Held up well to PTC-8 and other recent storms (including Hurricane Erin and recent wave/surge events).



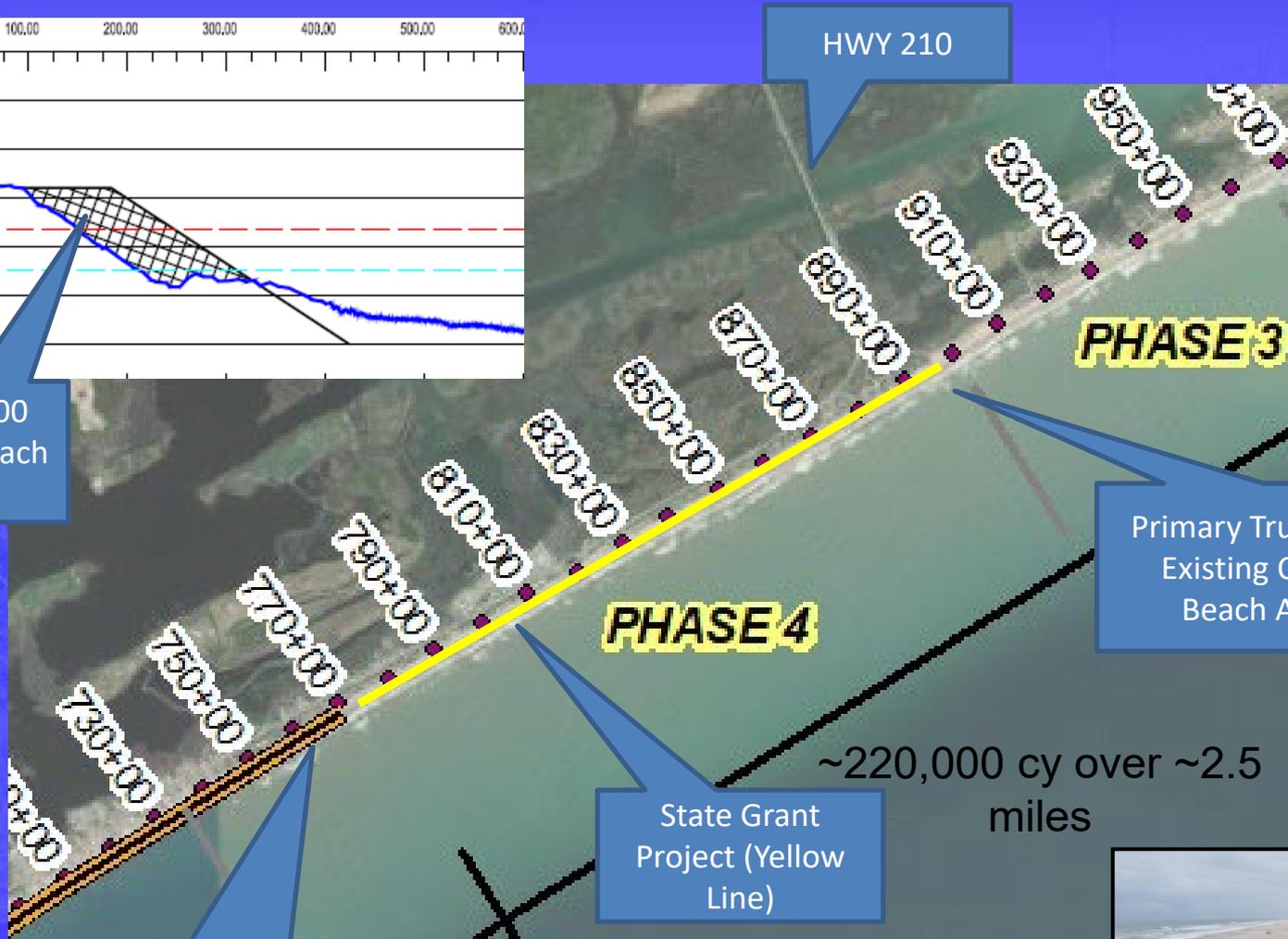
Restored ~3.5 Miles



Completed State Grant Phase 4 Beach Nourishment – Held up well to Hurricane Erin and recent wave/surge events.



~80 to 100 Feet of Beach Width



HWY 210

PHASE 3

PHASE 4

Primary Truck Access at Existing Opening at Beach Access 33

State Grant Project (Yellow Line)

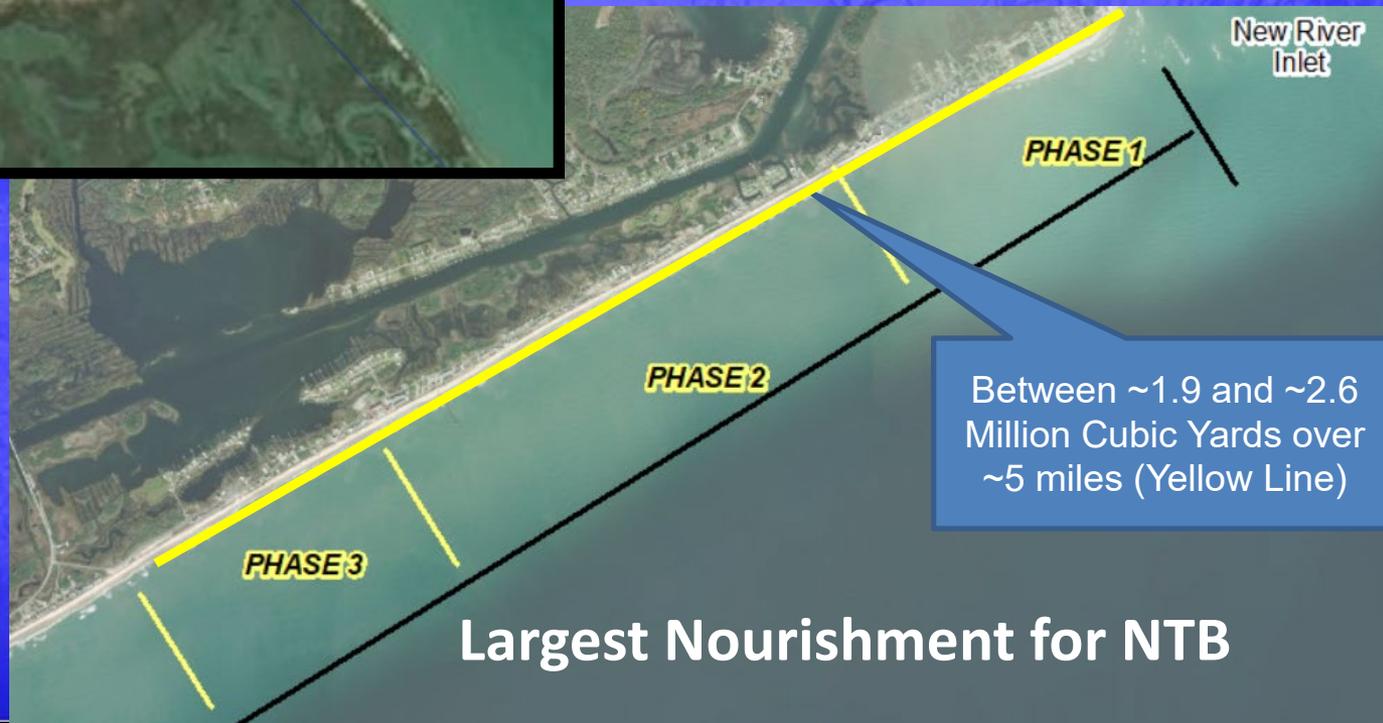
~220,000 cy over ~2.5 miles

Secondary Truck Access at Existing Opening at 2nd Avenue



Disposal Area (DA) 143 Beneficial Reuse and Placement in Phases 1, 2, and 3

- Based on Agency Feedback, ~1.9 to 2.6 Million CY at DA 143
- Easement coordination continues with state agencies
- Permit Application Submission Follows Easement.
- Funding Research and Coordination Ongoing.



Largest Nourishment for NTB

Potential Tropical Cyclone (PTC) 8

DECLARED OCTOBER 19, 2024

SUMMARY

STATE: North Carolina
 NUMBER: FEMA-4837-DR
 INCIDENT: Potential Tropical Cyclone Eight
 INCIDENT PERIOD: September 16-20, 2024
 DATE REQUESTED BY GOVERNOR: October 16, 2024
 FEDERAL COORDINATING OFFICER: E. Craig Levy, Sr.
 National FCO Program

DESIGNATIONS AND TYPES OF ASSISTANCE:

INDIVIDUAL ASSISTANCE (Assistance to individuals and households):

Not Requested.

PUBLIC ASSISTANCE (Assistance for emergency work and the repair or replacement of disaster-damaged facilities):

Brunswick, Carteret, New Hanover, and Onslow Counties.

- Dune Restoration to Withstand 5-Year Storm
- FEMA Project Processing Continues
- No Additional FEMA Information Requests (three total)

Public Assistance (PA)

Provides grants to eligible state, local governments, EBCI and eligible private non-profits ("Applicants") to assist with the cost of responding to and recovering from disasters

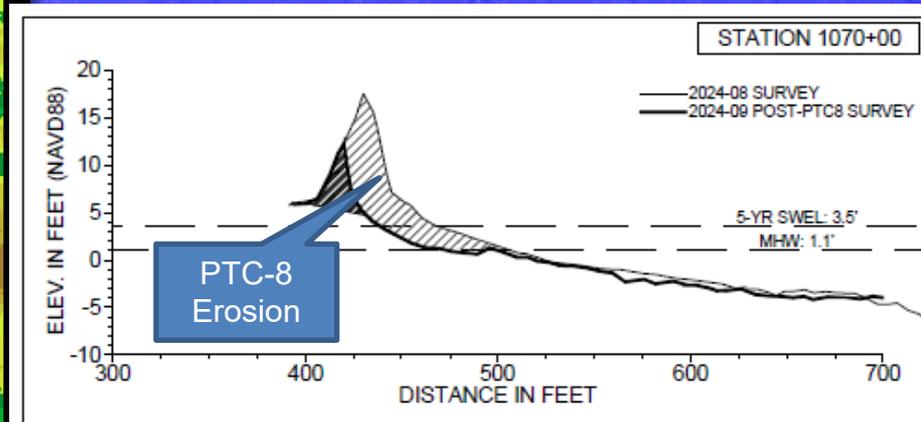
Governing Laws, Regulations, and Policies



FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) ENVIRONMENTAL PLANNING AND HISTORIC PRESERVATION (EHP) GREENSHEET FOR DR-4837-NC



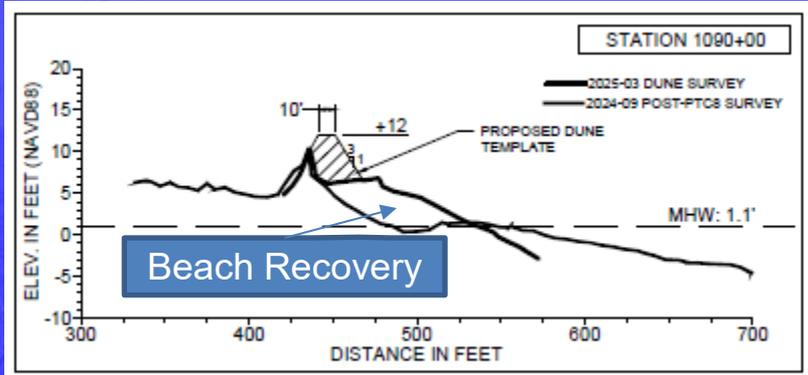
PTC 8 Rainfall (Sept. 16, 2024)



Critical Dune Restoration: ~8,000 cy in April/May

FEMA PTC-8 Mitigation

ST Wooten – Contractor

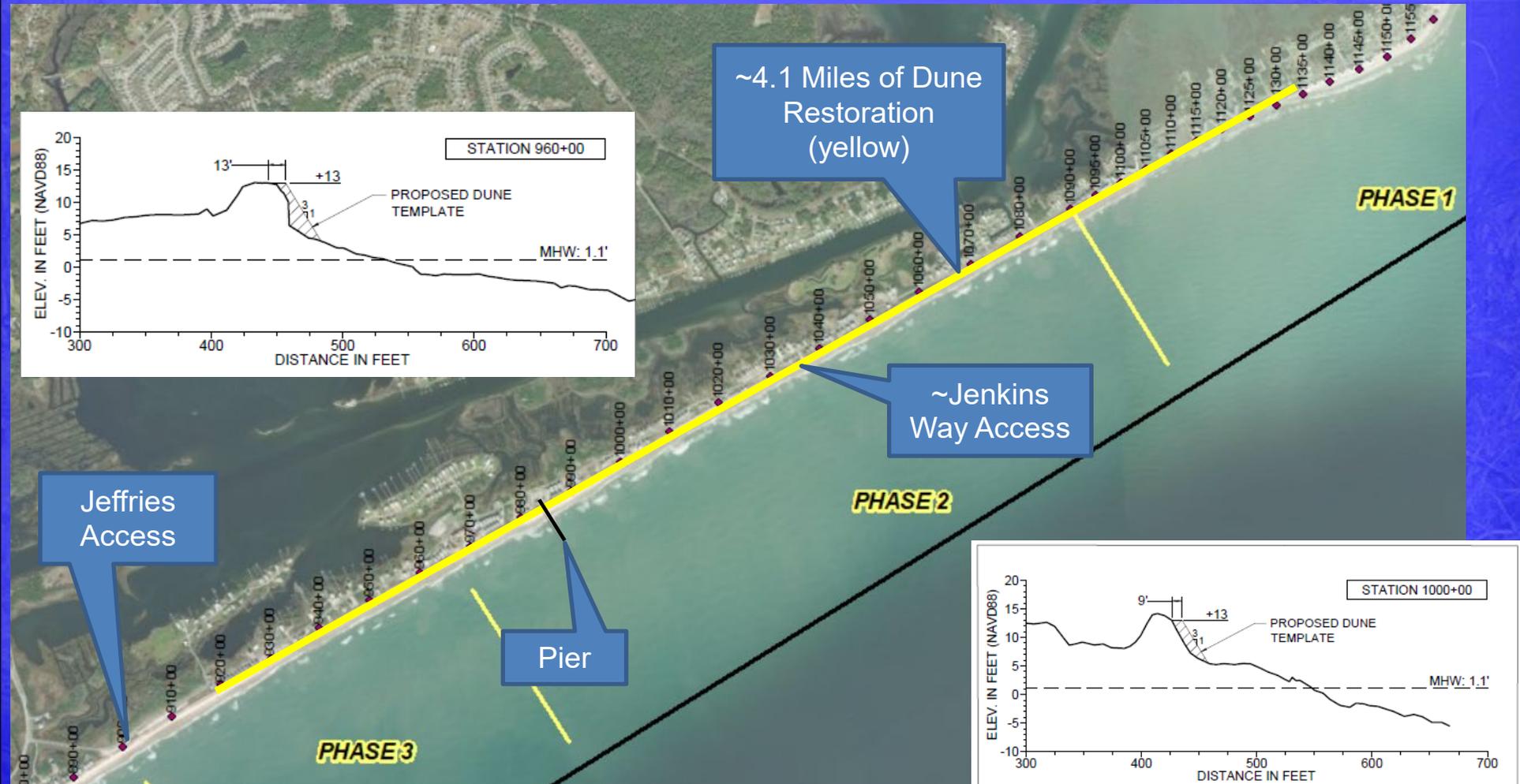


Northern Shoreline Dune Restoration (Phases 1 to 3 for 53,000 cy)

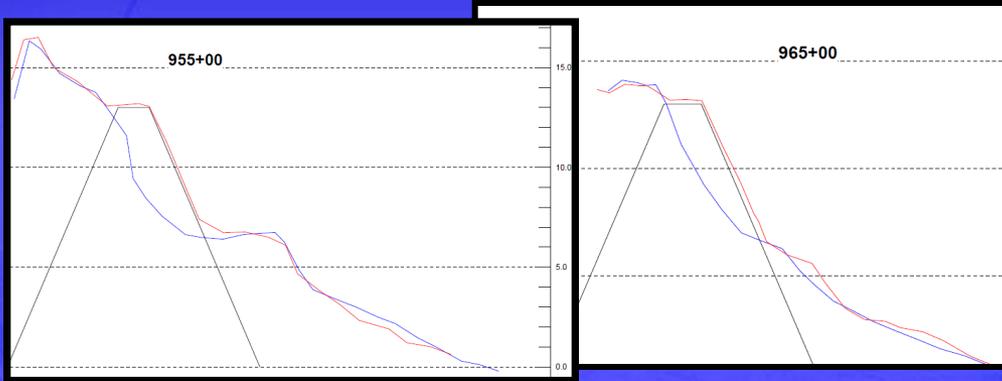
An Additional ~12,000 cy is Potentially Available

Work Completed February 18

FEMA PTC-8 Mitigation



Northern Shoreline Dune Restoration (Phases 1 to 3 for 53,000 cy)



Northern Shoreline Dune Restoration (Phases 1 to 3 for 53,000 cy) February 2026 Photos



Town Beach Projects Updates

- New River Inlet Management Master Plan EIS: Draft EIS under several levels of USACE review. Higher level review ongoing. Shutdowns have slowed this. Biological Assessment (BA) and Essential Fish Habitat (EFH) in progress.
- Post Tropical Cyclone 8 FEMA/NCEM- 53,000 cy dune restoration (in addition to 8,000 cy last April) in Phases 1, 2 and 3 COMPLETED. Another ~12,000 cy potentially available.
- Disposal Area 143 (DA 143) Beneficial Reuse for Nourishment of Phases 1,2,3 of between ~1.9 and ~2.6 million cubic yards. Easement coordination on DA143 use ongoing with state agencies. Then final permit application submittal.
- DA 143 Grant Research and Funding Options Ongoing.
- Critical Dune Restoration in Phases 1 and 2 COMPLETED.
- State Grant Nourishment - ~220,000 cy in Phase 4 COMPLETED.
- Phase 1 – Corps AIWW Project (~77,000 cy placed north of Topsail Reef condos) COMPLETED.
- Working with NTB Staff regarding funding, accounting and reimbursement for FEMA funded projects
- Permitting Coordination (all projects)

