

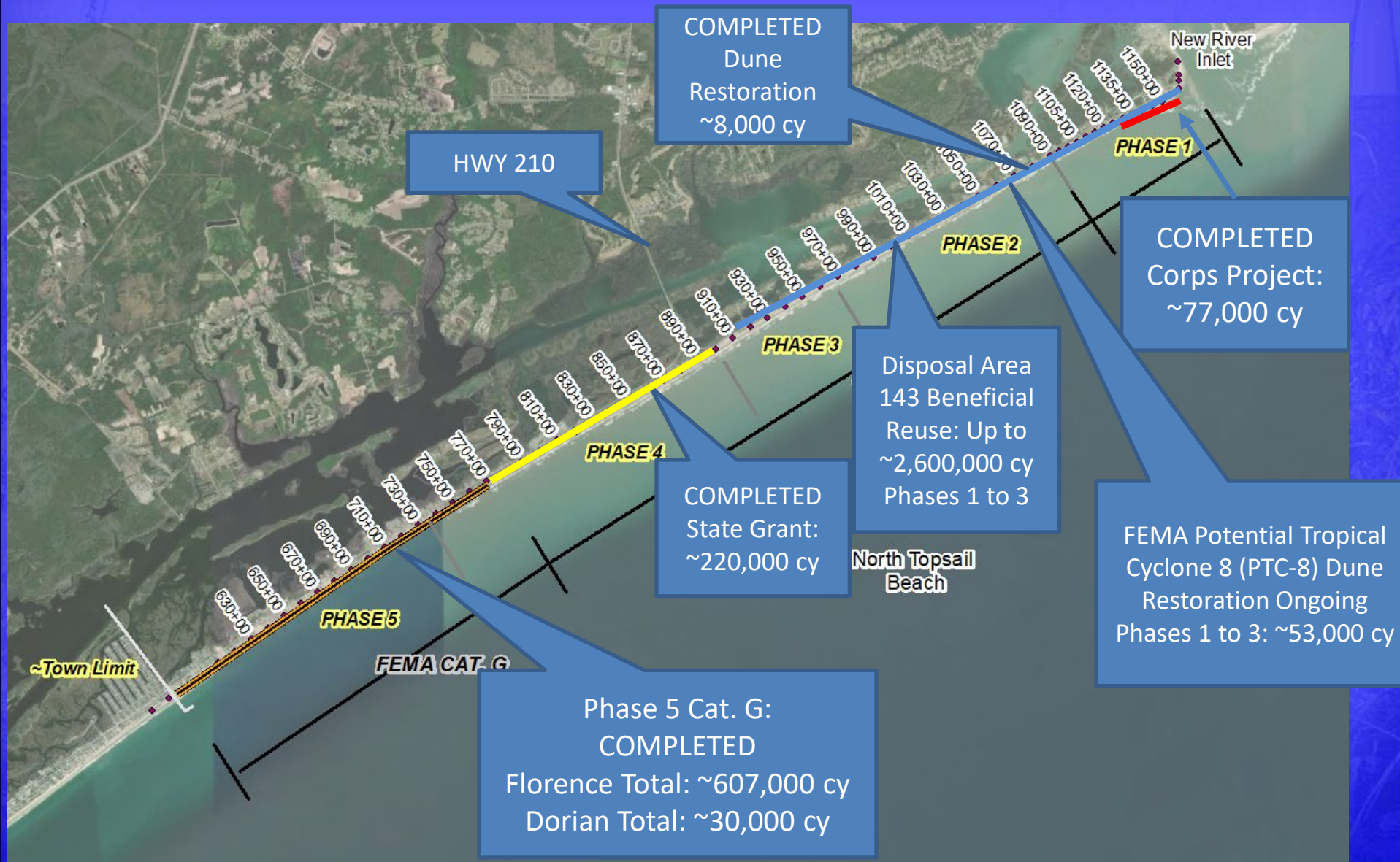
North Topsail Beach Coastal Update February 2026



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.
Long pumping distance
presents a challenge for
dredgers.

Dredging

Fill Placement



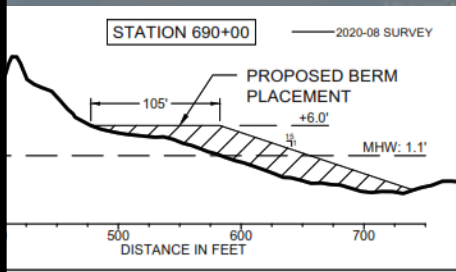
**77,000 cy
Placement North of Topsail
Reef Condos**

**No USACE Intracoastal Waterway dredging planned for this winter
USACE plans for next winter will be announced this spring**

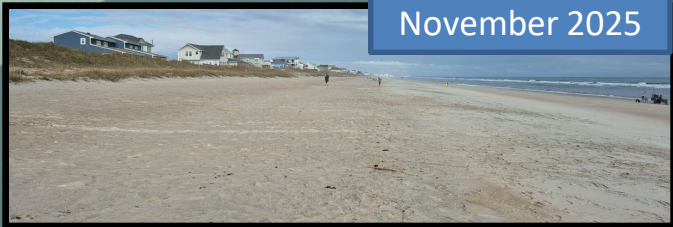


December 2025

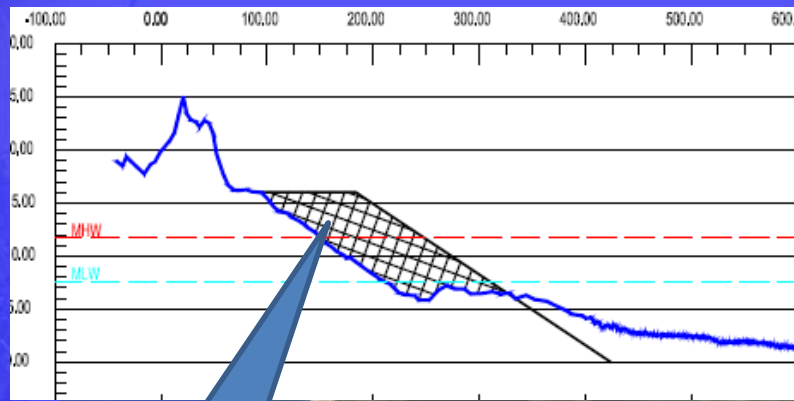
**Completed FEMA Mitigation Nourishment in Phase 5 (and some Phase 4)
Beach (not Dune) Nourishment. ~3.5 Miles of Restored Beach. Held up well to PTC-8 and
other recent storms (including Hurricane Erin and recent wave/surge events).**



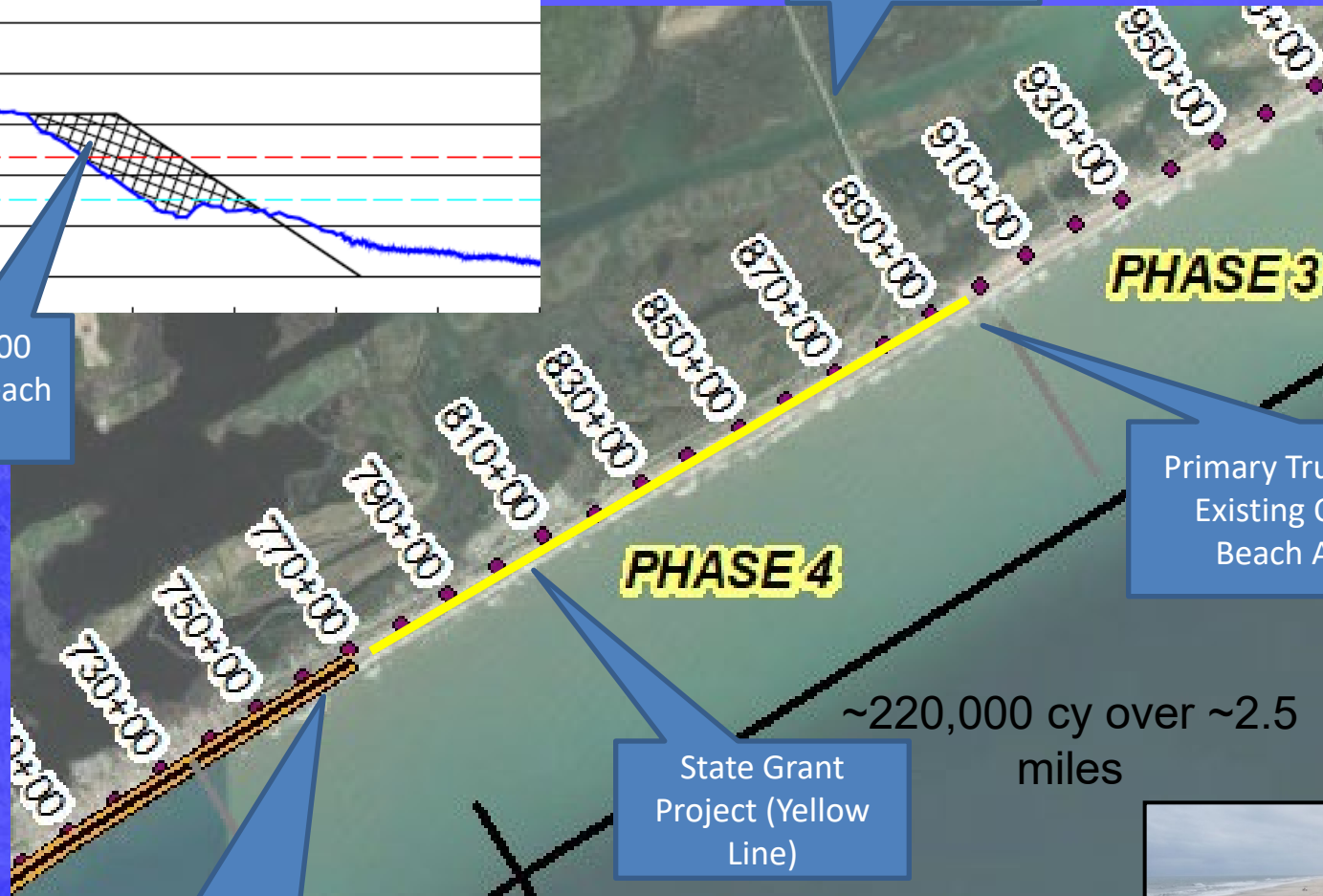
Restored ~3.5 Miles



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

~220,000 cy over ~2.5
miles

State Grant
Project (Yellow
Line)

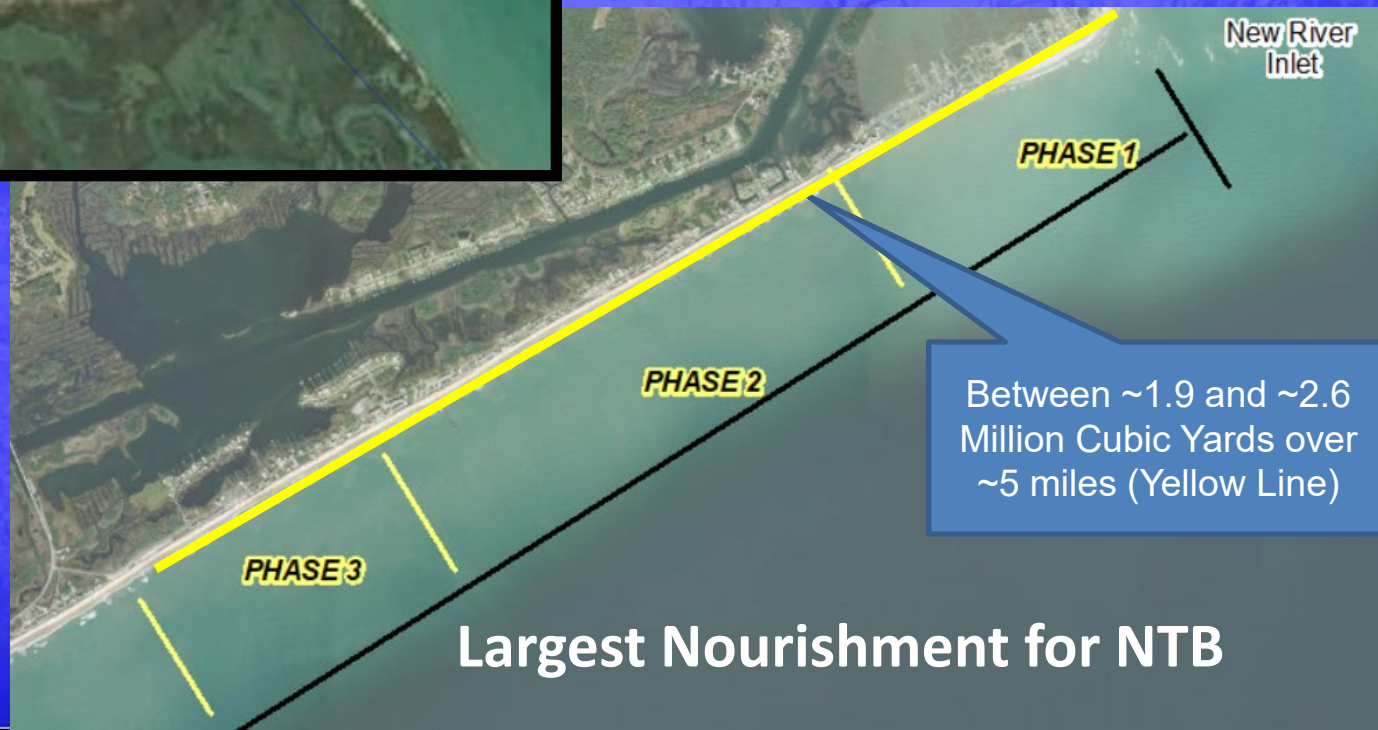
Secondary Truck Access
at Existing Opening at 2nd
Avenue



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

Stafford Act

Law

44 CFR

Program Regulations

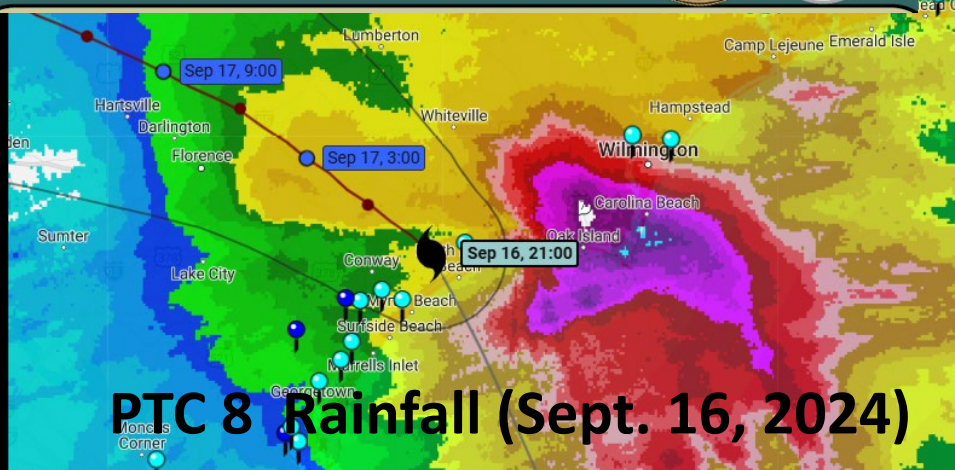
2 CFR

Procurement Requirements

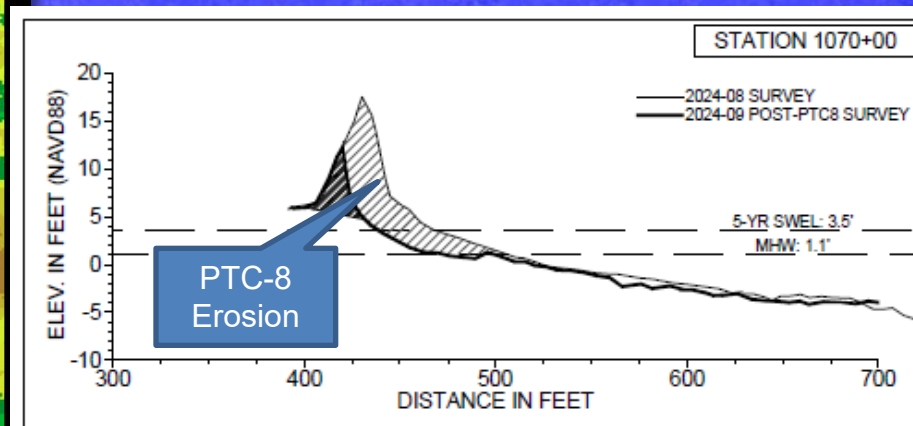
PA Program & Policy Guide (PAPPG)

Policy

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



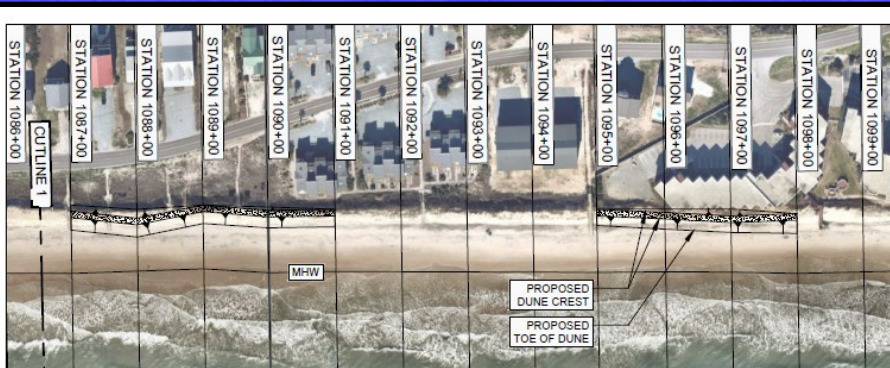
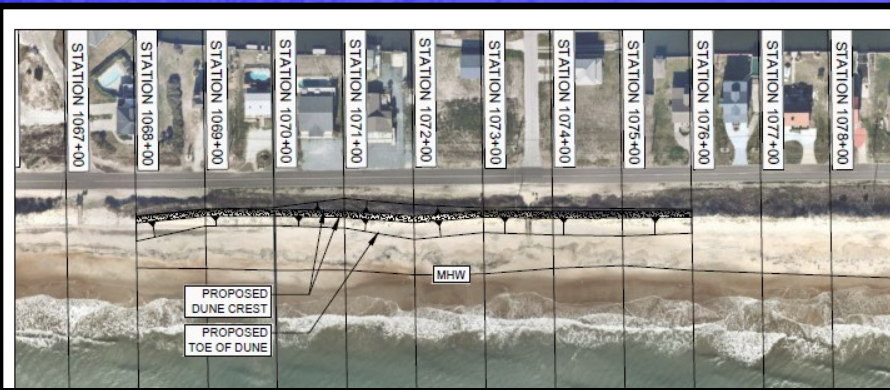
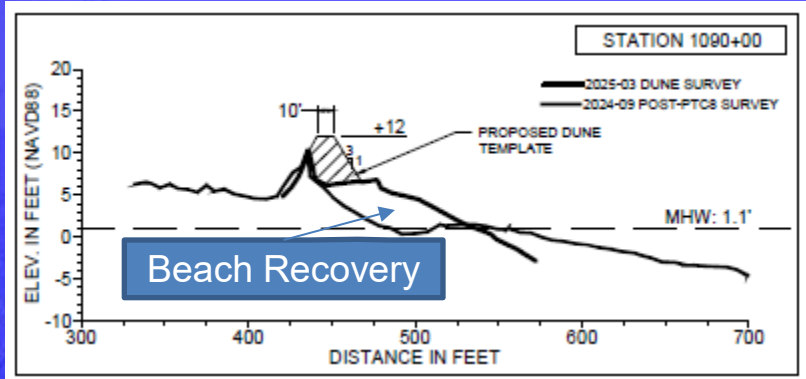
PTC 8 Rainfall (Sept. 16, 2024)



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

FEMA PTC-8 Mitigation

ST Wooten – Contractor

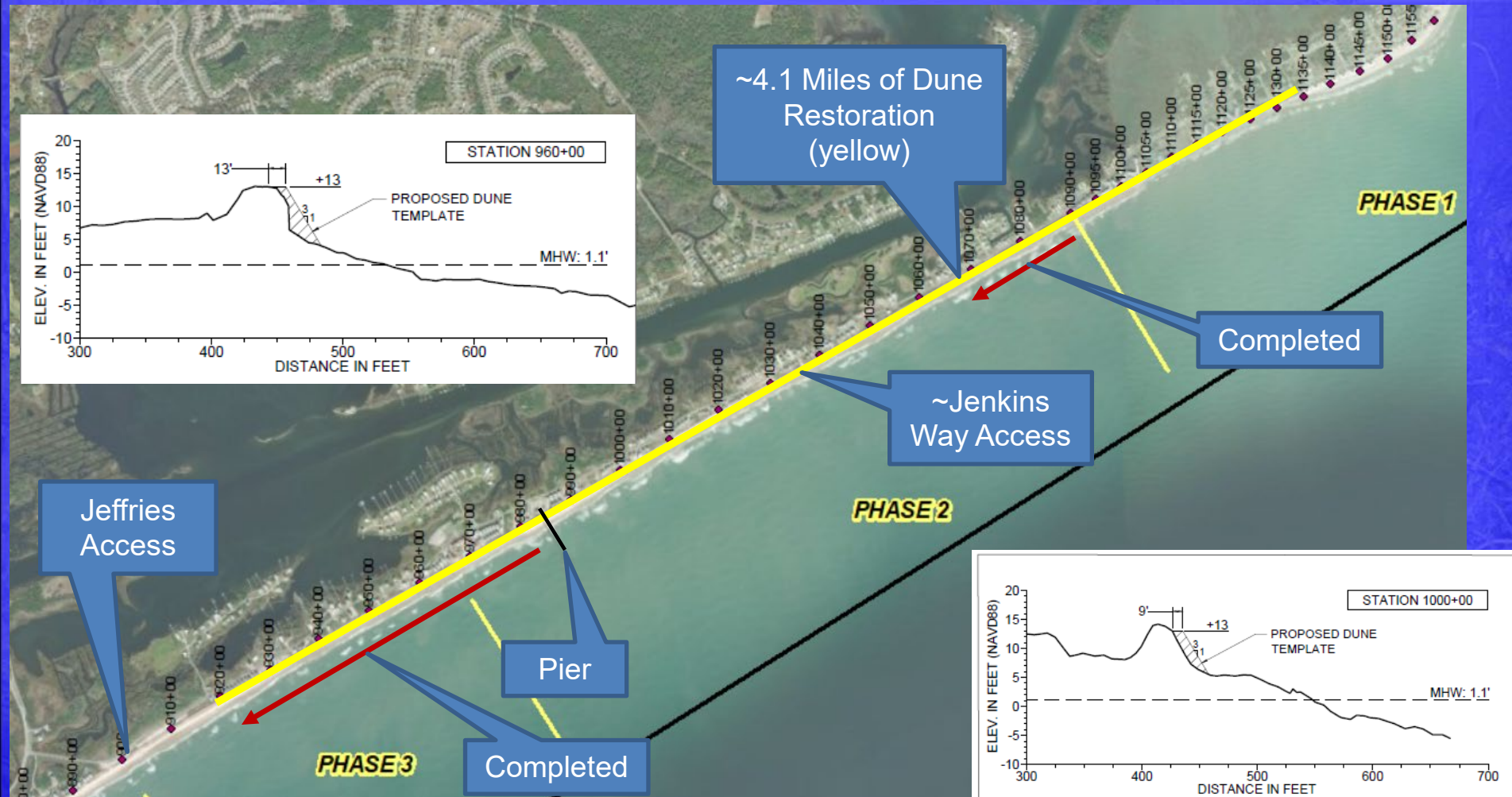


Northern Shoreline Dune Restoration (Phases 1 to 3 for 53,000 cy)

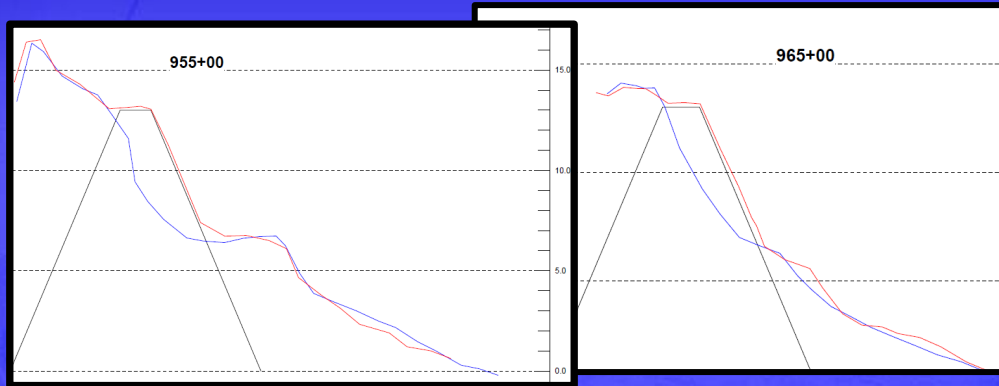
ST Wooten – Contractor – Approximately 3 Month Timeline

Work Started Monday, January 5

FEMA PTC-8 Mitigation



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



Town Beach Projects Updates

- New River Inlet Management Master Plan EIS: Draft EIS under several levels of USACE review. Higher level review ongoing. Shutdown has 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 ongoing.
- Disposal Area 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)

