

# North Topsail Beach Coastal Update March 2025

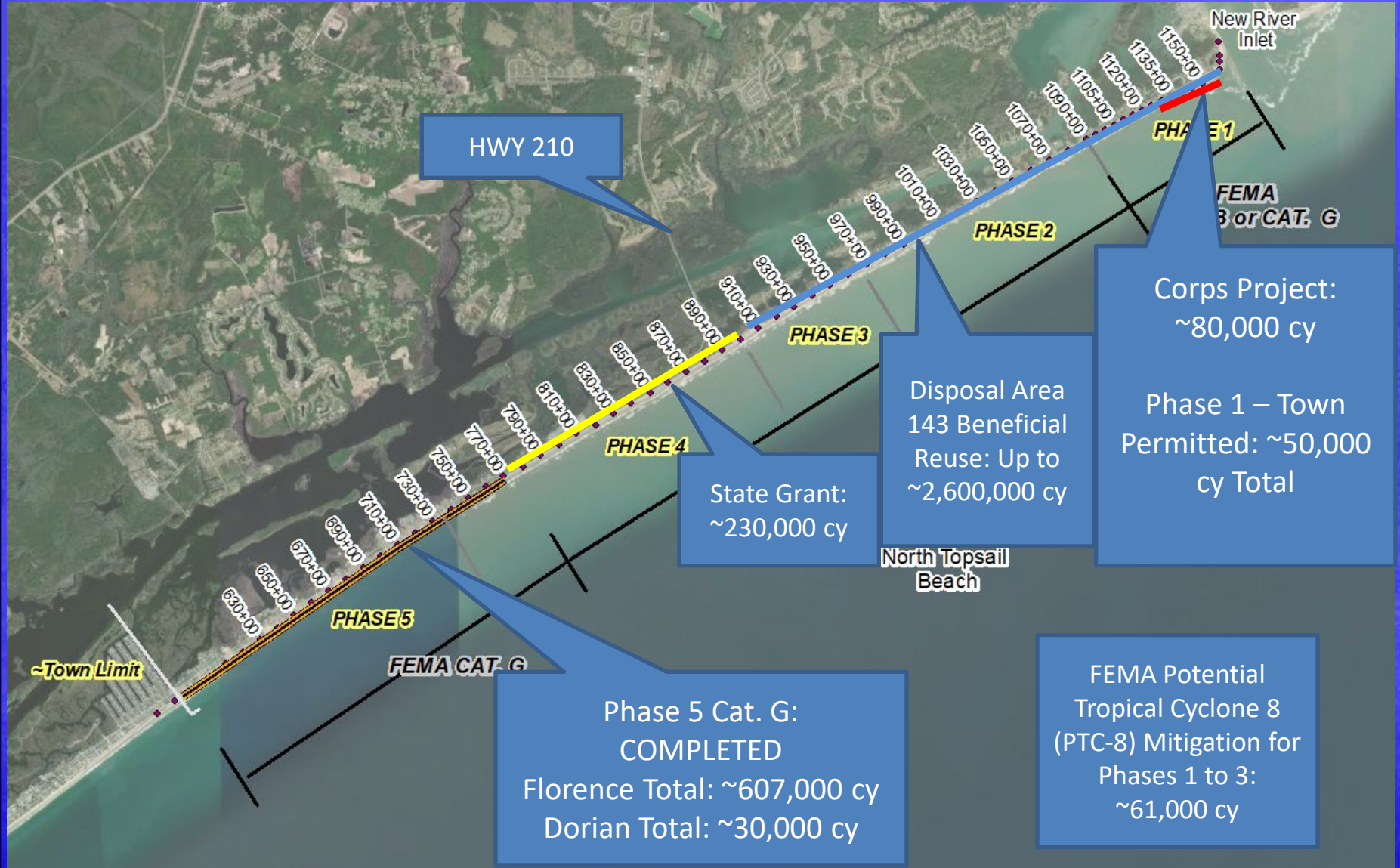


Marina, Coastal, Environmental  
& Water Resources Engineers



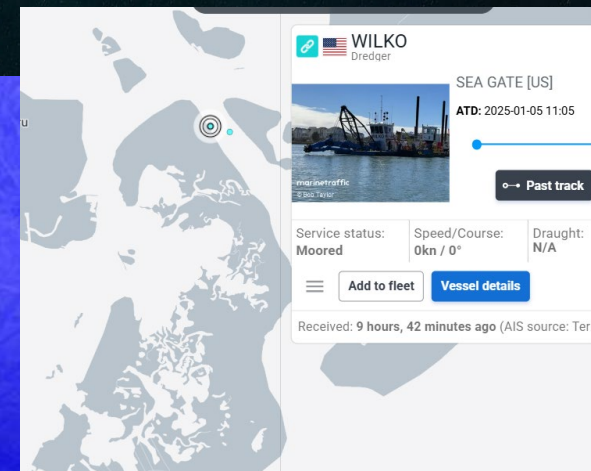
# Recent and Upcoming Projects Overview

## State Grant, Beneficial Reuse, FEMA, Corps Projects



# USACE Navigation Dredging and Placement Corps Project Awarded to Southwinds:

On site January 28 and anticipated finish by end of February. Dredge experienced some mechanical issues.

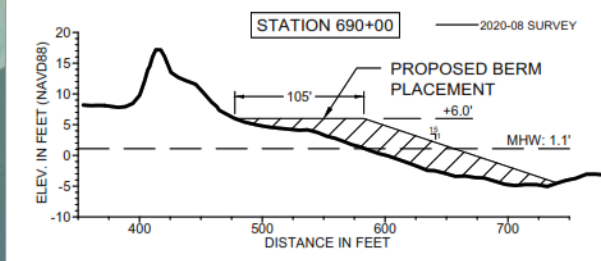
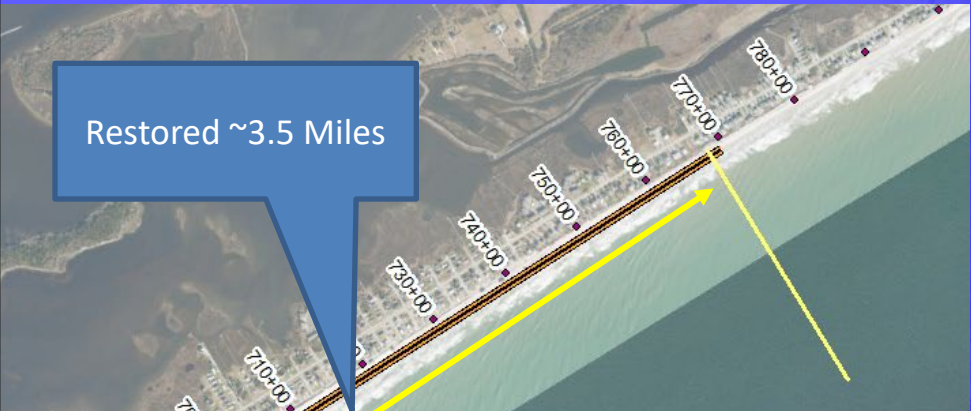


Estimated Yardage : 80,000 cy

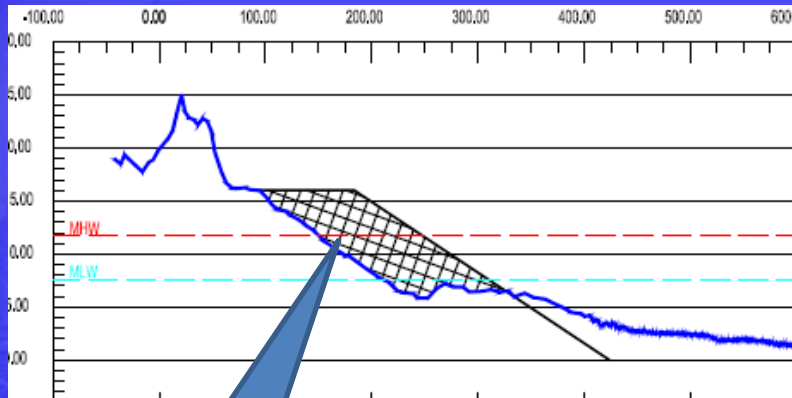
Begins at 2334 New River Inlet Road and Works South



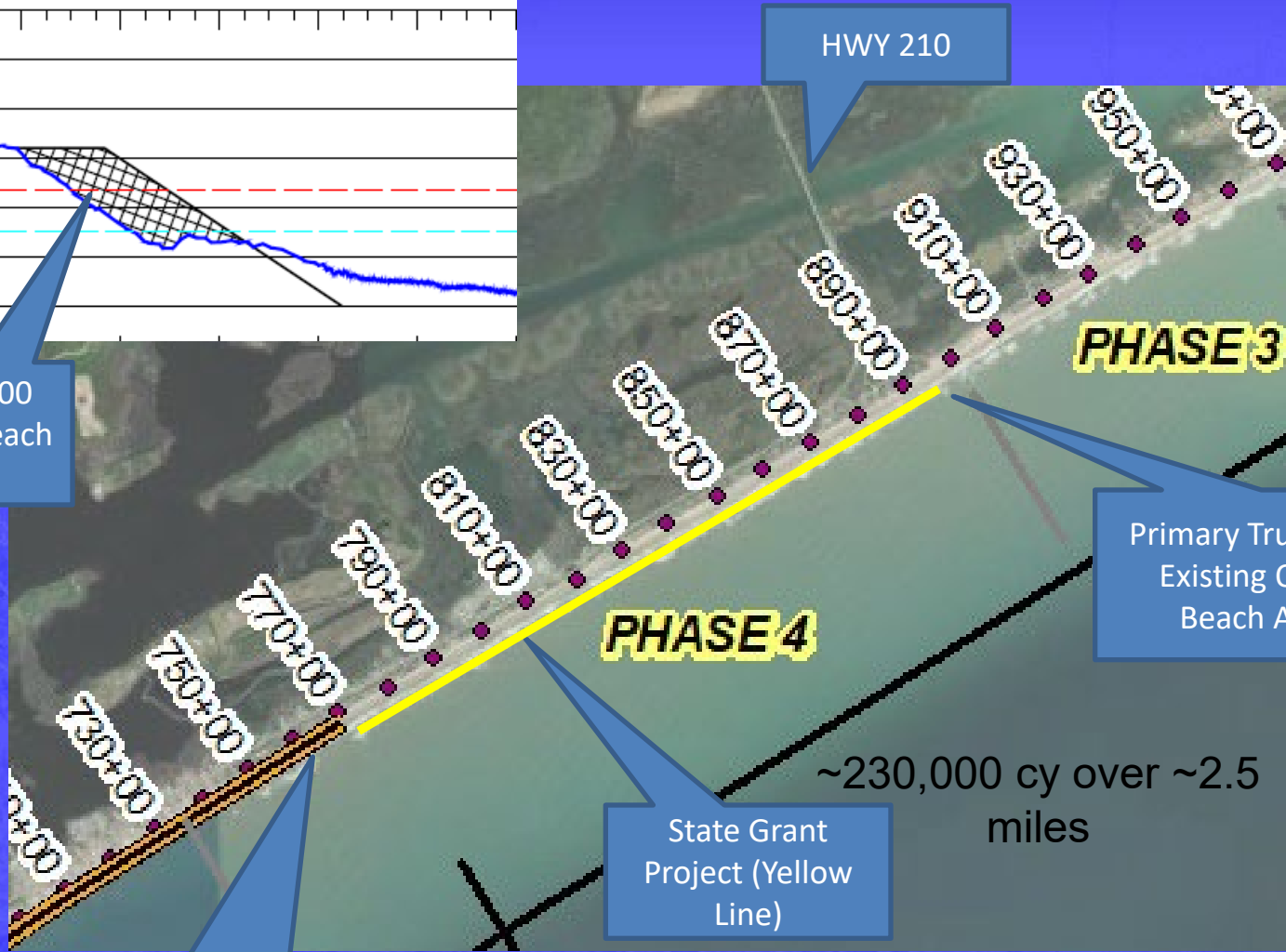
# COMPLETED FEMA Mitigation Nourishment in Phase 5 (and some Phase 4) Beach (not Dune) Nourishment. ~3.5 Miles of Restored Beach. Held up well to PTC-8 and other recent storms.



# Successful State Grant in Phase 4. Beach (and some Dune) Nourishment



~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)

~230,000 cy over ~2.5 miles

Secondary Truck Access at Existing Opening at 2<sup>nd</sup> Avenue

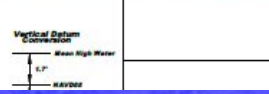
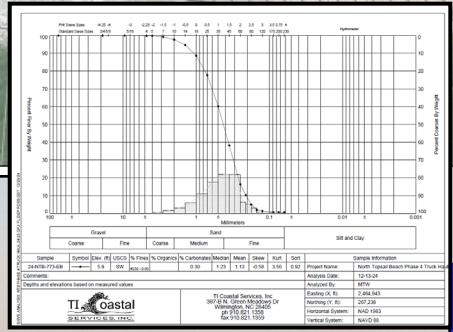


# Phase 4 Nourishment

~120,000 cy Placed



Direction of Work



Ti Coastal Services, Inc.  
3800 N. Greenway Blvd  
P.O. Box 1000  
P.O. Box 1000



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

- Investigations Ongoing,
- Permit Application to Follow.
- 2024 Analysis shows up to 2.6 million cubic yards at DA 143 (1.9 million cubic yards was previous estimate)



# 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 losses for Phases 1,2,3 & 4

## Public Assistance

### APPLICANT BRIEFING

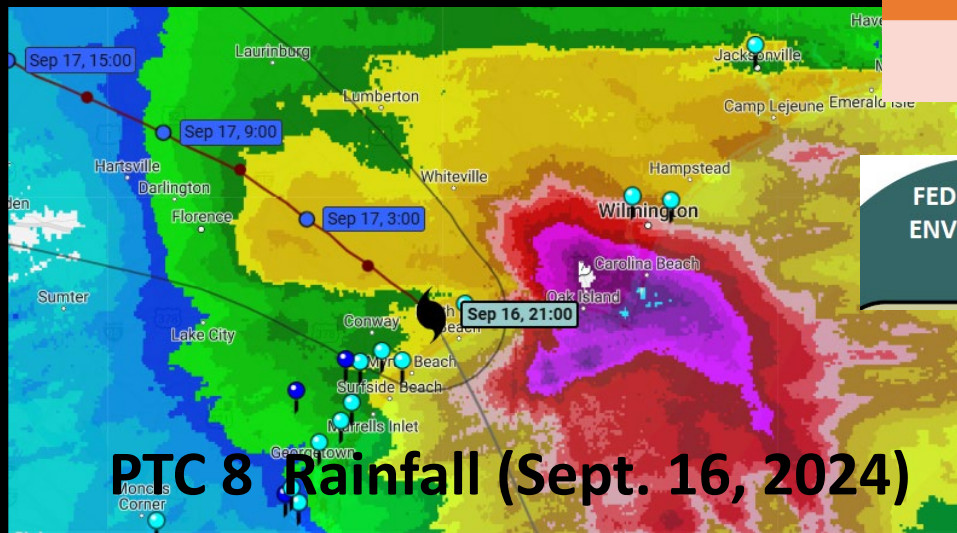
Potential Tropical Cyclone Eight 2024

### Public Assistance (PA)

Provides grants to eligible state, local governments, EBCL 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	44 CFR	2 CFR	PA Program & Policy Guide (PAPPG)
Law	Program Regulations	Procurement Requirements	Policy



PTC 8 Rainfall (Sept. 16, 2024)

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





# Potential Tropical Cyclone (PTC) 8

## Dune Losses

	Shoreline Length (miles)	Net loss (CY)	Gross Loss (CY)
PHASE 1	1.5	14,641	15,629
PHASE 2	2.3	22,068	33,710
PHASE 3	1.3	7,414	7,697
PHASE 4	3.2	16,956	26,274
<b>TOTALS</b>		<b>61,079</b>	<b>83,310</b>

Net Losses ≈ 61,000 cy

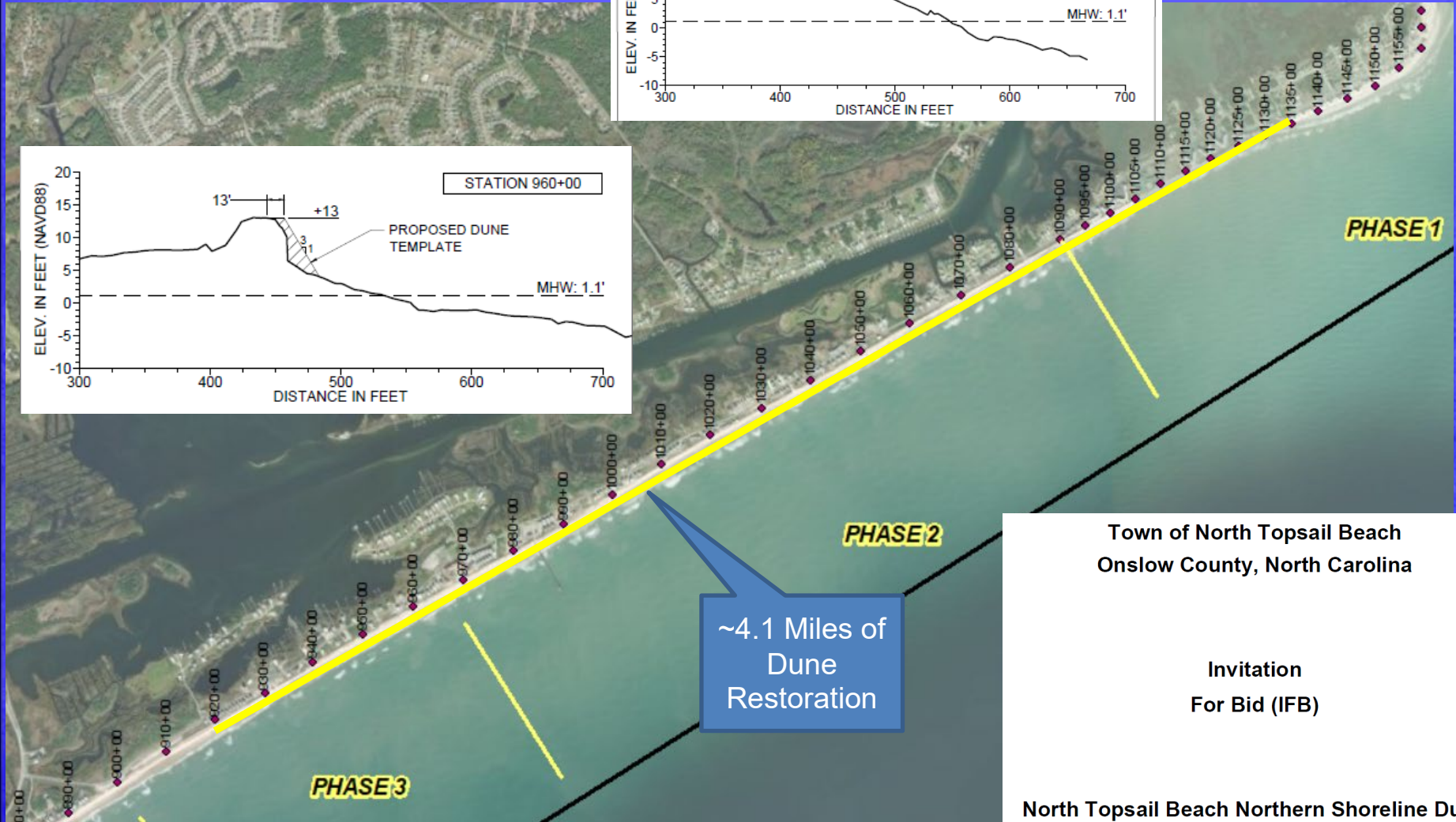
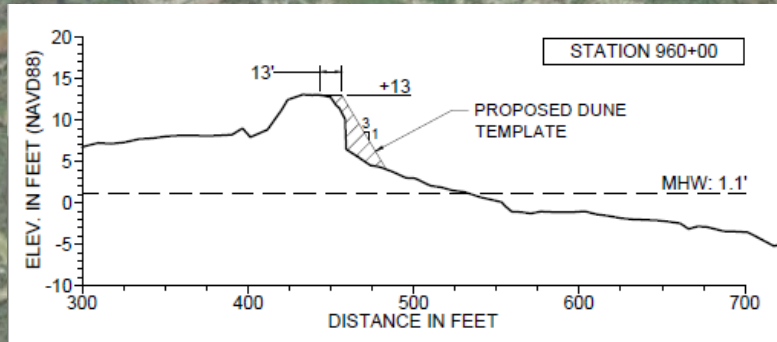
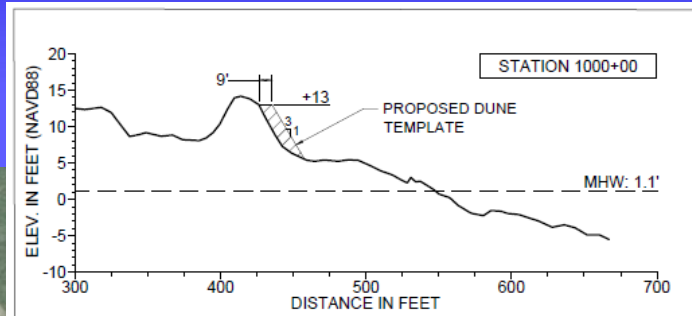
## Dune Losses





# Northern Shoreline Dune Restoration (Phases 1 to 3 for 61,000 cy)

## Bidding Process Update



Town of North Topsail Beach  
Onslow County, North Carolina

Invitation  
For Bid (IFB)

North Topsail Beach Northern Shoreline Dune  
Truck Haul Project



# Town Beach Projects Updates

- Phase 1 – Corps AIWW Project (~80,000 cy estimated, Southwinds Dredging).
- New River Inlet Management Master Plan EIS: Final Sections of Draft EIS under development.
- State Grant Nourishment - ~230,000 cy in Phase 4 proceeding as planned
- Post Tropical Cyclone Survey submitted to FEMA/NCEM for PTC 8. 61,000 cy. Focus on Phases 1,2 and 3. FEMA/NCEM coordination has begun. Costs, Dune Analysis. Bidding Update.
- Disposal Area 143 Beneficial Reuse for Nourishment of Phases 1,2,3 of between ~1.9 and ~2.6 million cubic yards - investigations ongoing , then permitting
- Working with NTB Finance Officer and DEC Associates regarding funding for FEMA and State funded projects
- Grant Coordination
- Permitting Coordination (all projects)

