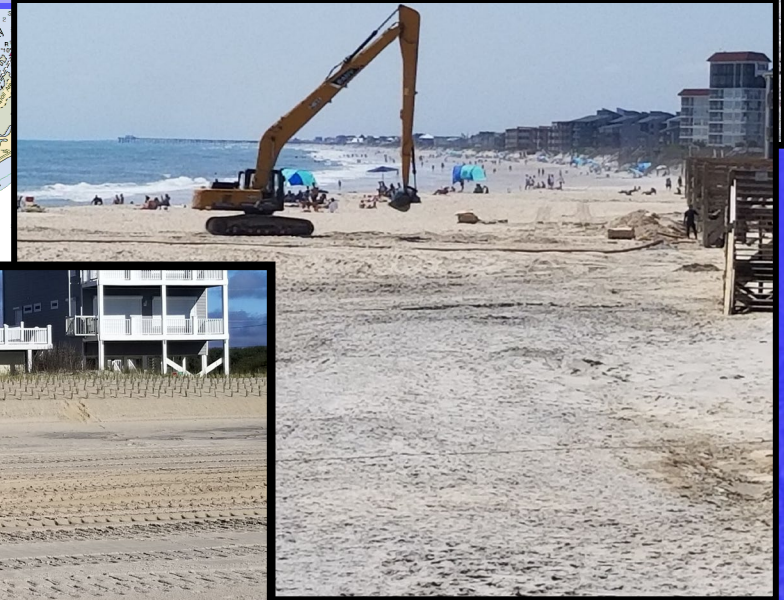
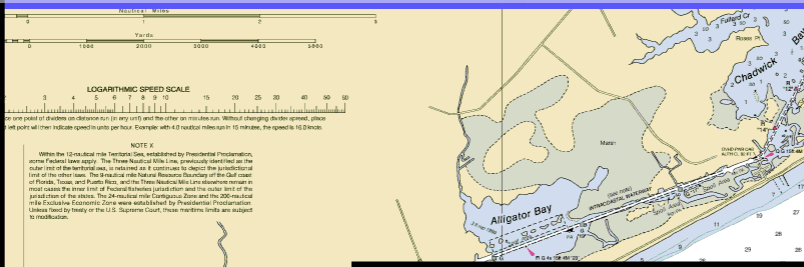


# North Topsail Beach Coastal Update

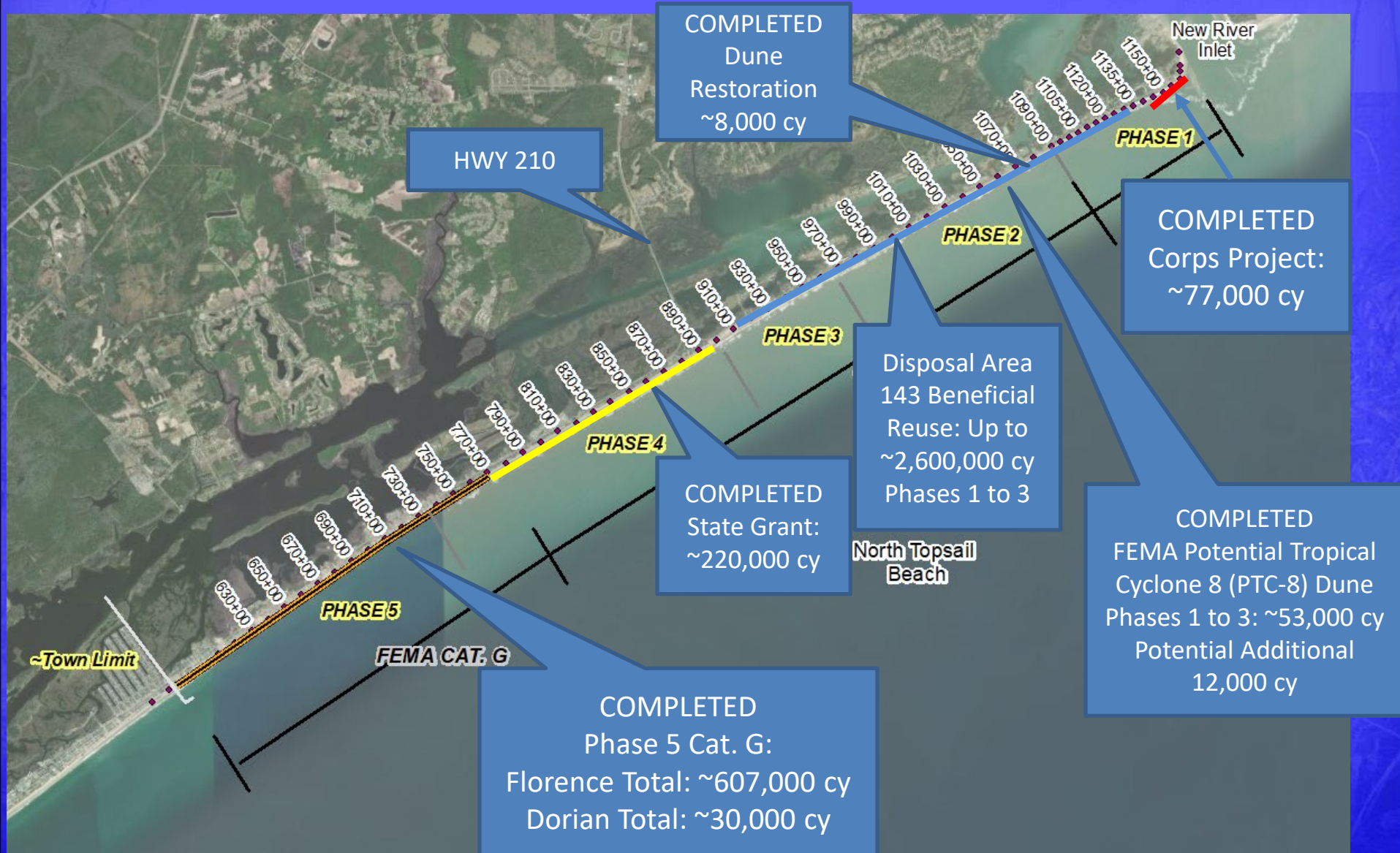
## June 2026



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

Typically Occurs  
Every 2 years

2025: 77,000 cy  
2023: 163,000 cy  
2021: 101,000 cy

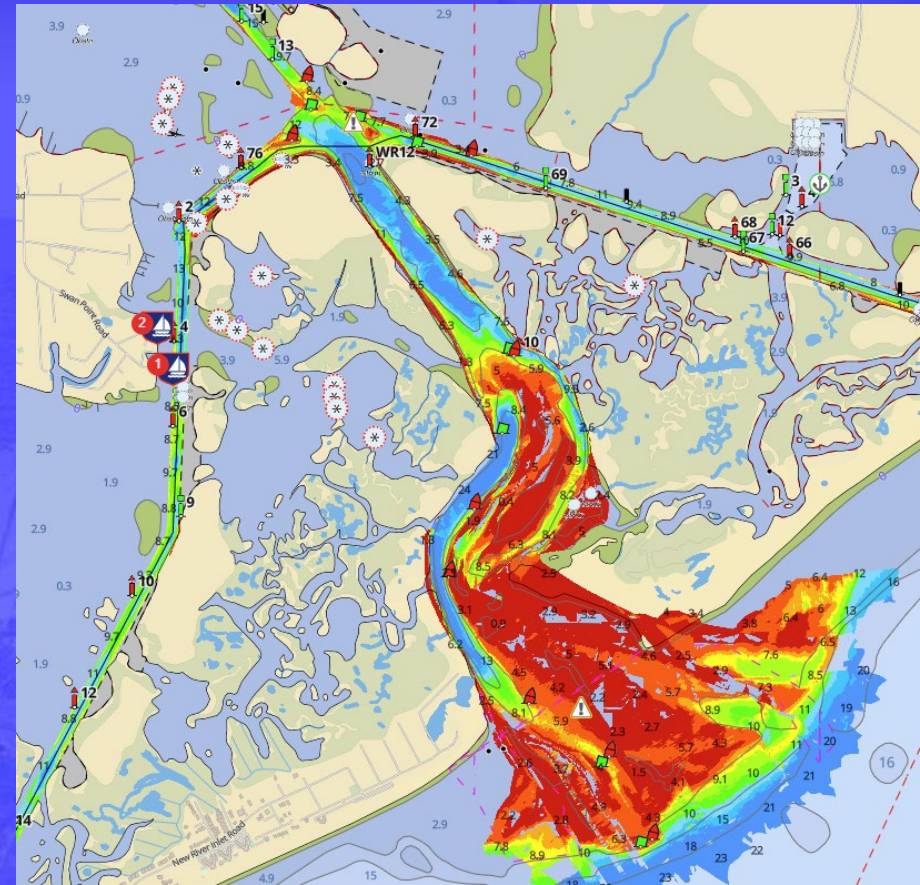
Dredging

Fill Placement



USACE plans for next winter will be announced this spring/summer

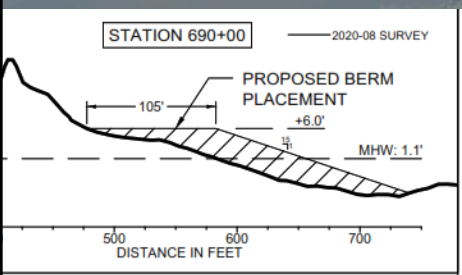
# New River Inlet & AIWW Conditions



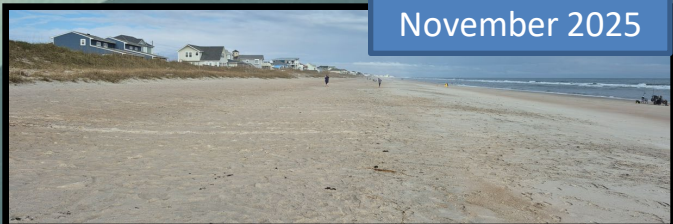
USACE Surveys + Aqua Map

USMC Meeting on May 20 on NRI  
and Cedar Bush Cut

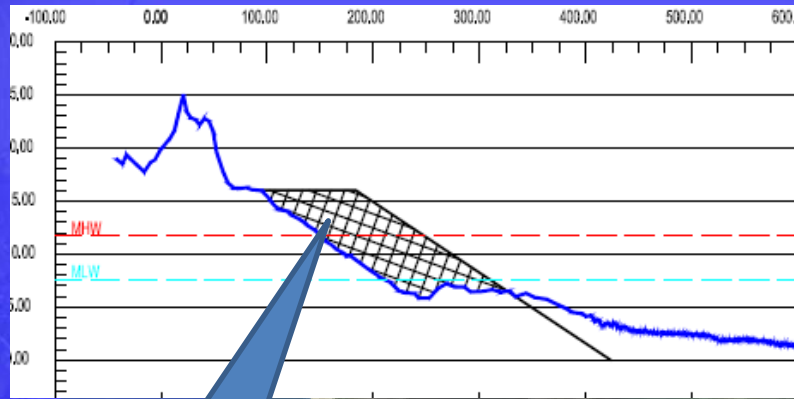
# Completed FEMA Mitigation Nourishment in Phase 5 (and some Phase 4) Beach (not Dune) Nourishment. ~3.5 Miles of Restored Beach. Held up well to PTC-8 and other recent storms (including Hurricane Erin and recent wave/surge events).



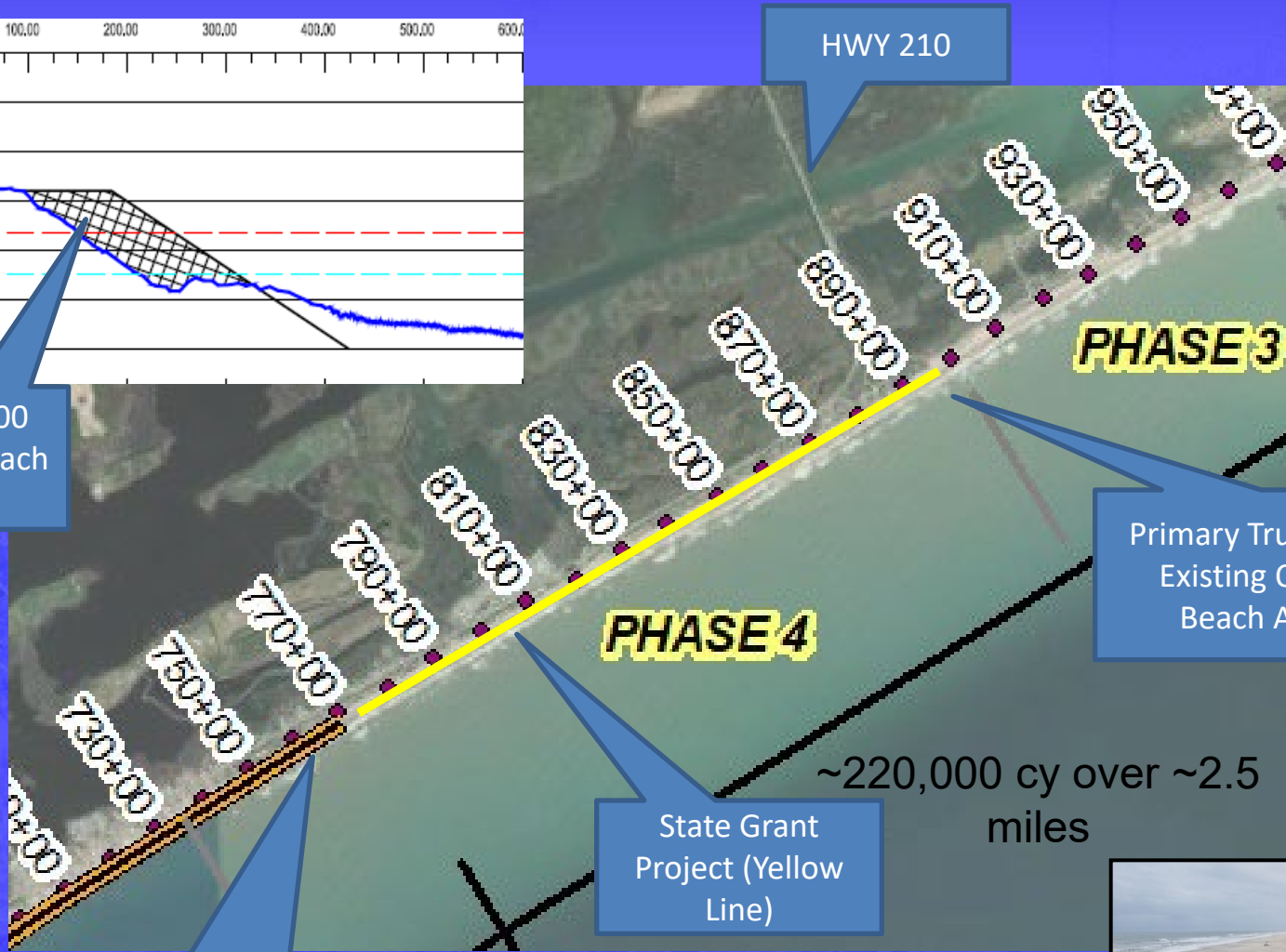
Restored ~3.5 Miles



# 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)

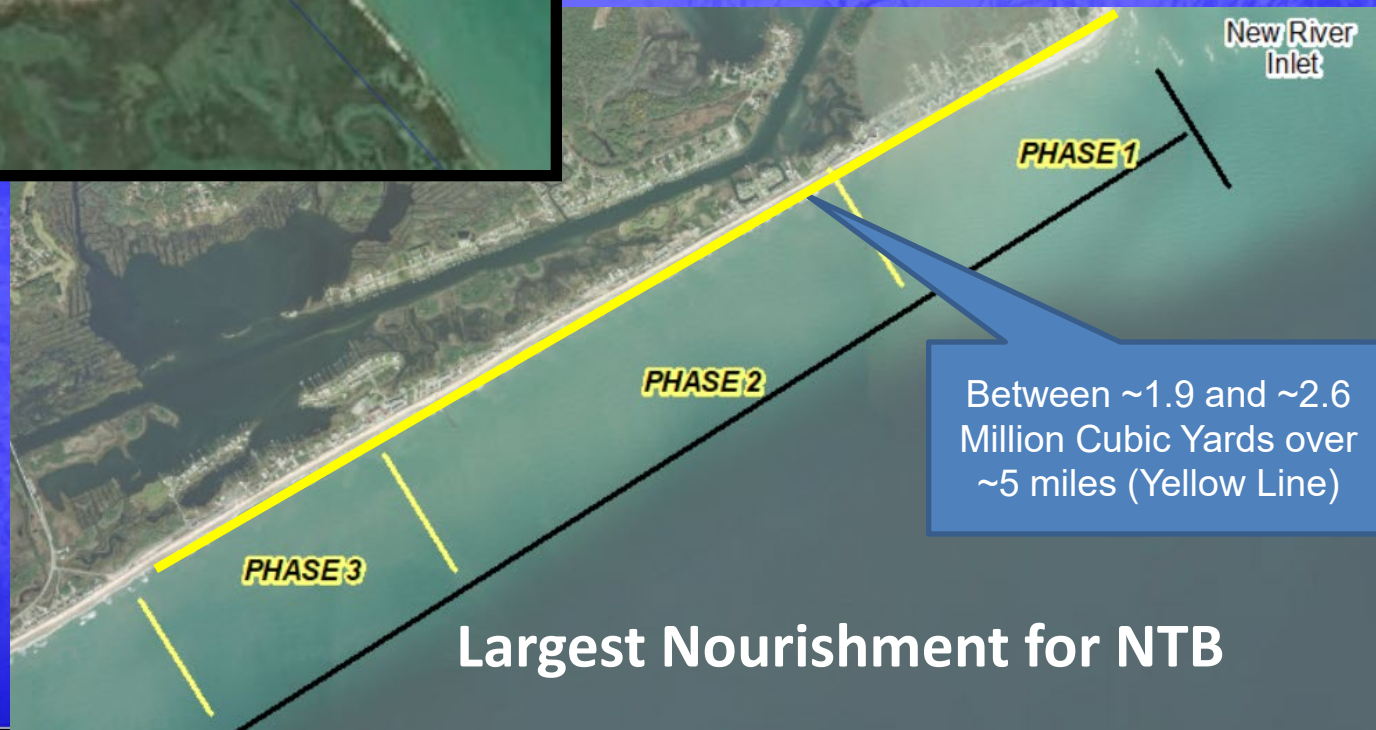
~220,000 cy over ~2.5 miles

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



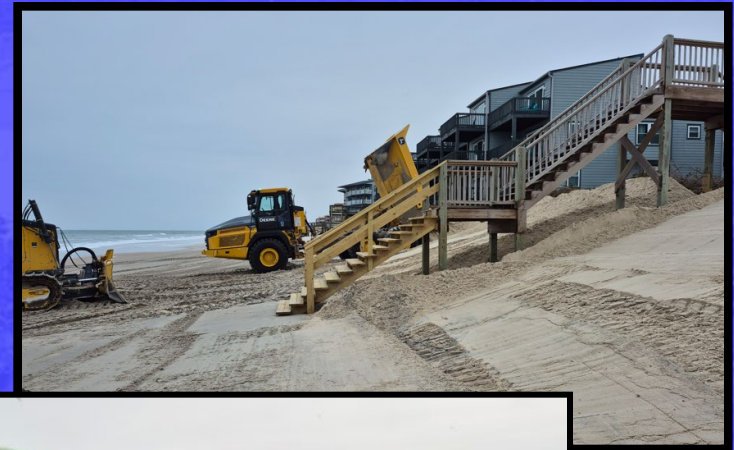
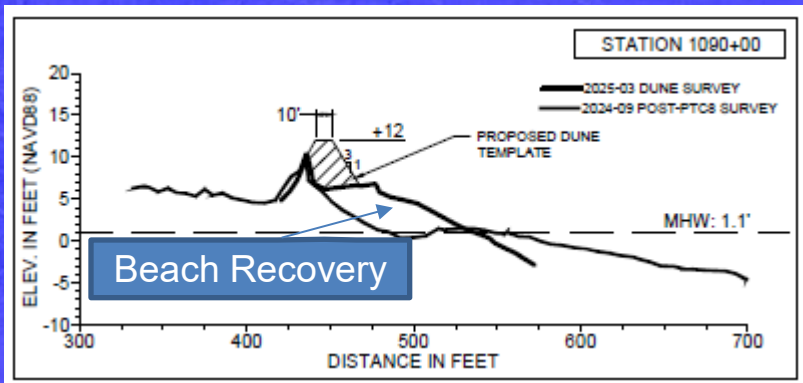
**Largest Nourishment for NTB**

# FEMA PTC-8 Mitigation Includes:

1. Critical Dune Restoration: ~8,000 cy in April/May 2025
2. Phase 1, 2, and 3 Dune Restoration: ~53,000 cy January/February 2026
3. An additional ~12,000 cy that has officially been obligated by FEMA in March

Dune Plant Sprigging this May/June

ST Wooten – Contractor

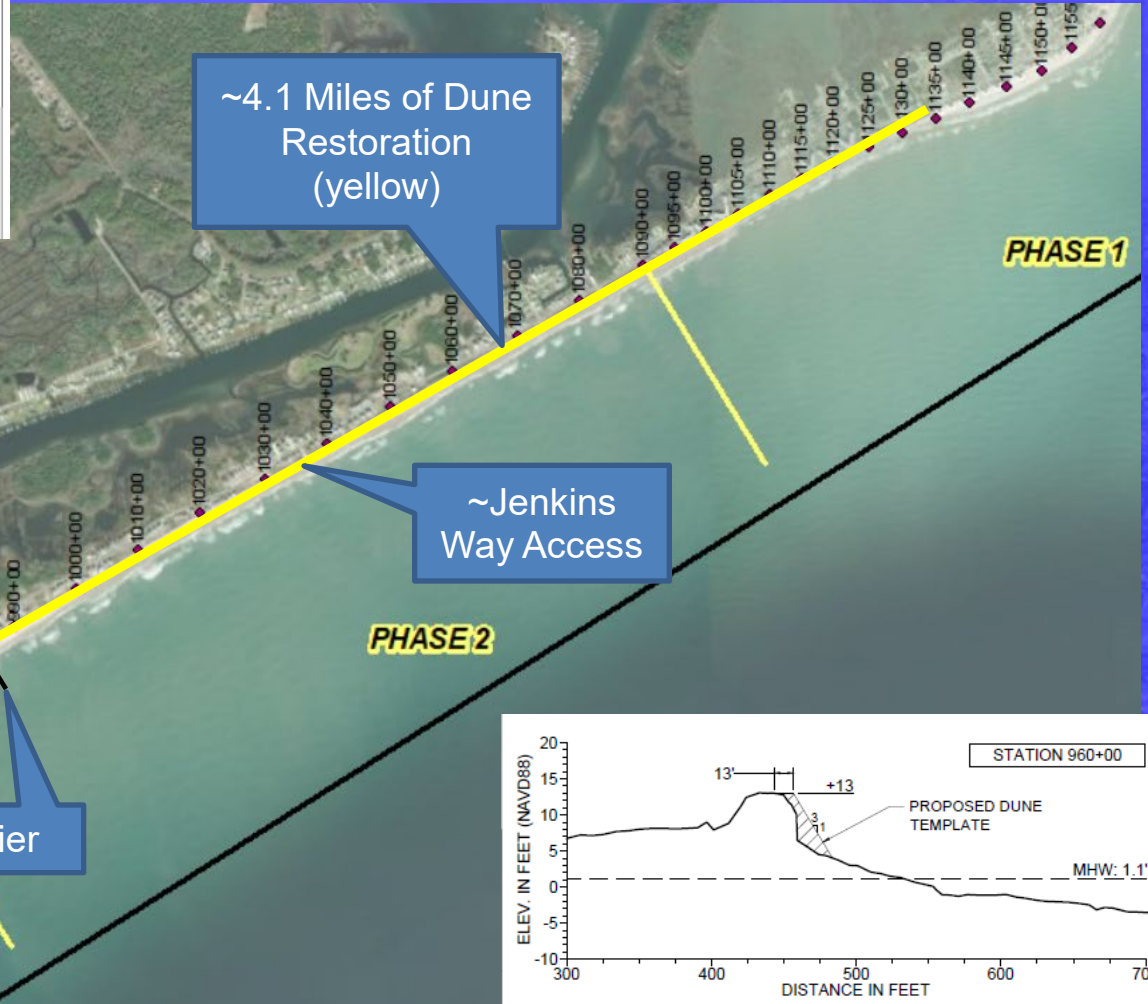
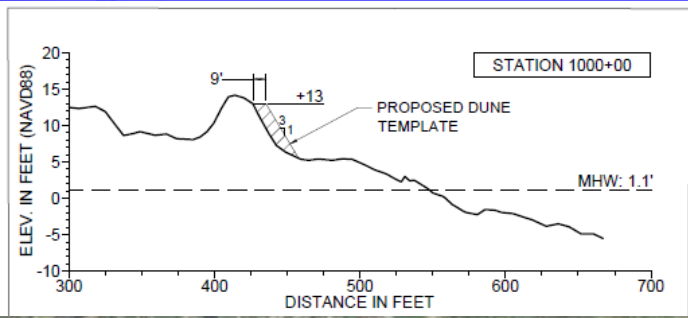


# Northern Shoreline Dune Restoration (Phases 1 to 3 for 53,000 cy)

An Additional ~12,000 cy is Potentially Available

Work Completed February 18

FEMA PTC-8 Mitigation

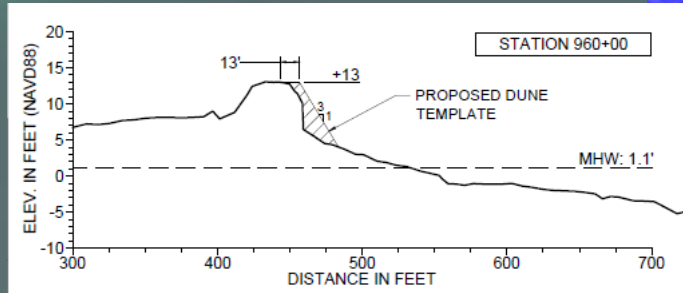


CAMA Permit Restrictions Include Not Placing Sand On Mature, Healthy Vegetation On The Dune Face

Jeffries Access

Pier

~Jenkins Way Access



Existing:



Proposed:

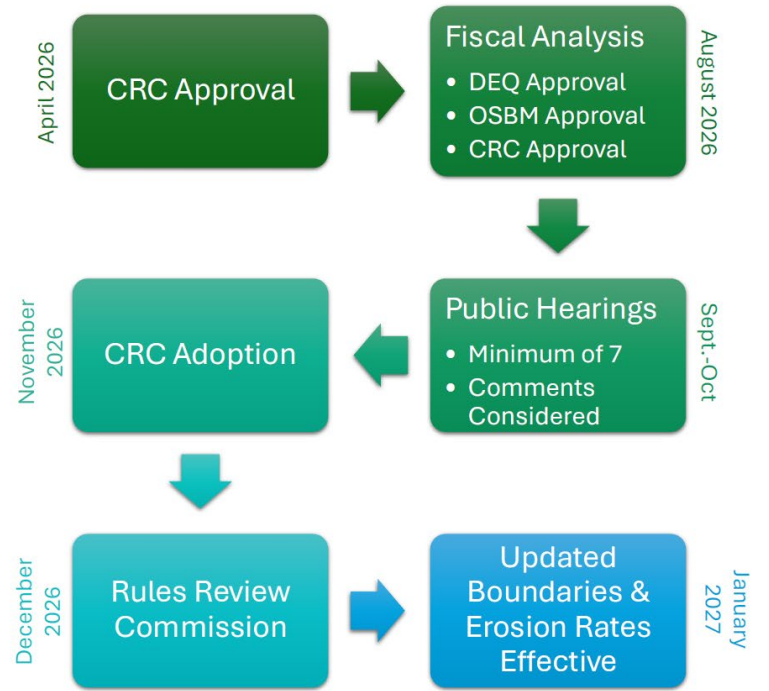
Area Inside 2025 IHA	2020	2013	2004	1997	1986	1983	1980
SBF = 2	2	2	2	2	2	2	2.5
SBF = 2.5	2	2	2	2	2	2	2.5
SBF = 5	2	2	2	2	2	2	2.5
SBF = 7	2	2	2	2	2	2	2.5
SBF = 6	2	2	2	2	2	2	2.5
SBF = 10	2	2	2	2	2	2	2.5



2025 Inlet Hazard Area Setback Factors

# State Inlet Hazard Area Proposed Update

## Rule-Making Process



# Town Beach Projects Updates

- New River Inlet Management Master Plan EIS: Meeting held in April with Dial Cordy and USACE.
- Meeting with USMC in May on New River Inlet and Cedar Bush Cut.
- 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 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.
- 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
- IHA comment letter from the Town?
- Permitting Coordination (all projects)

