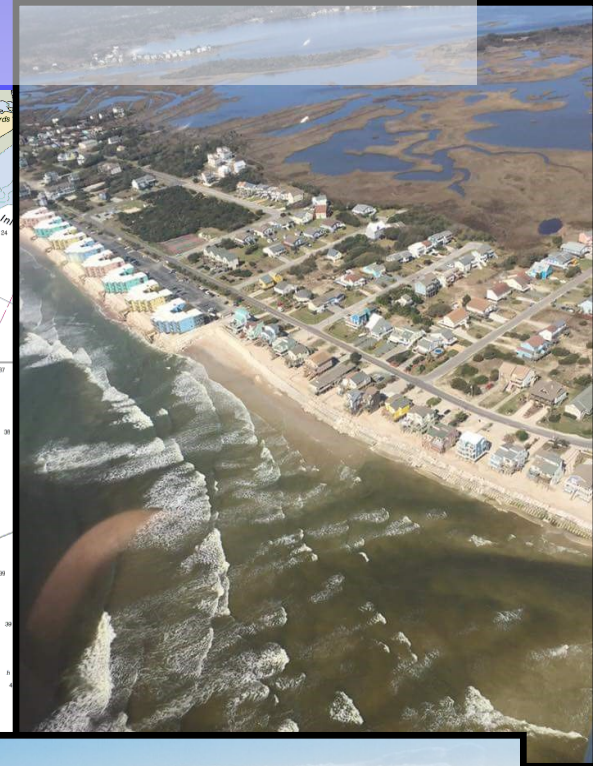
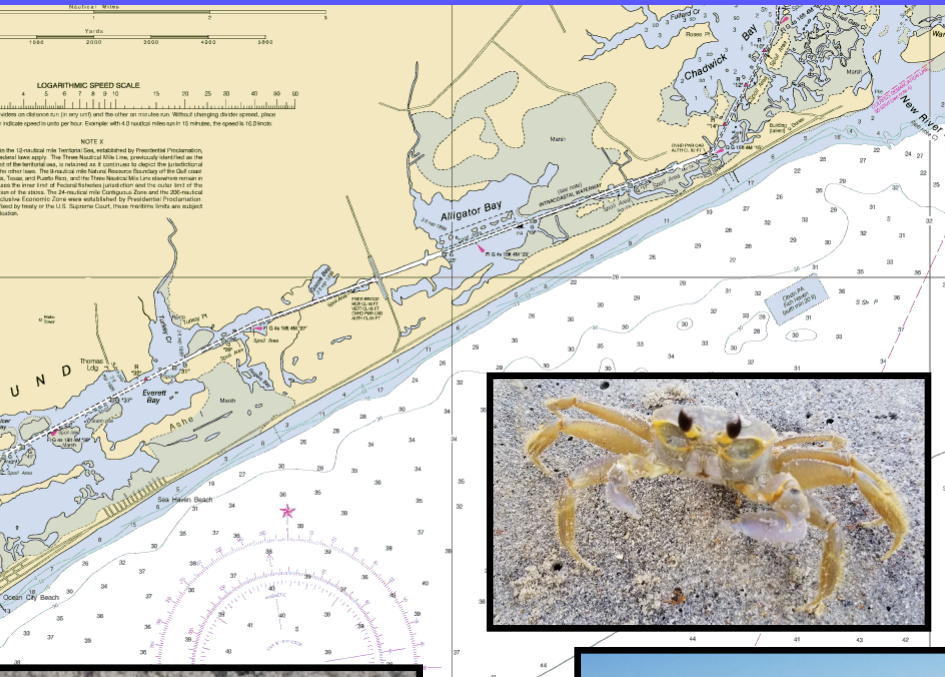


# North Topsail Beach Coastal Update

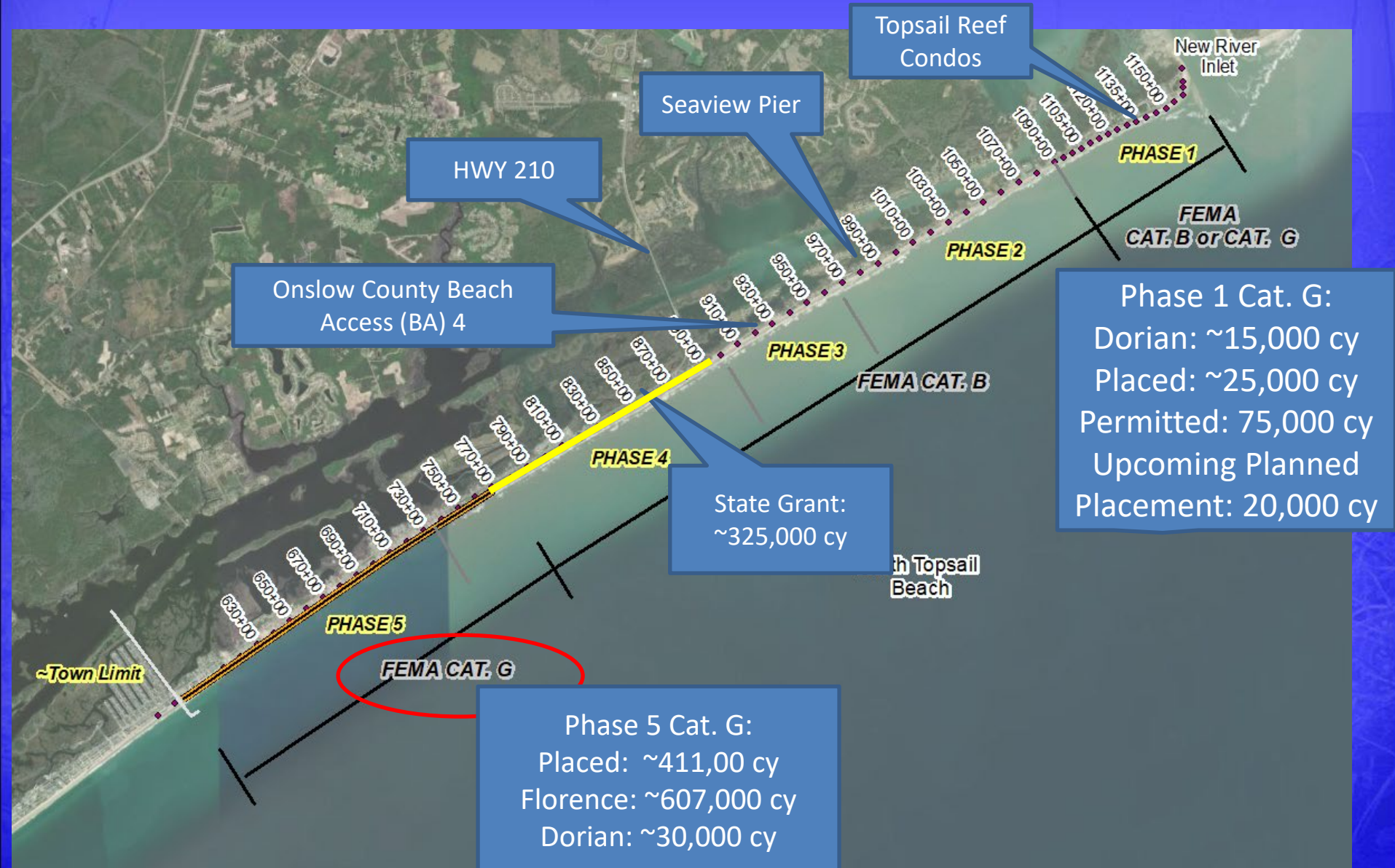
## July 2023



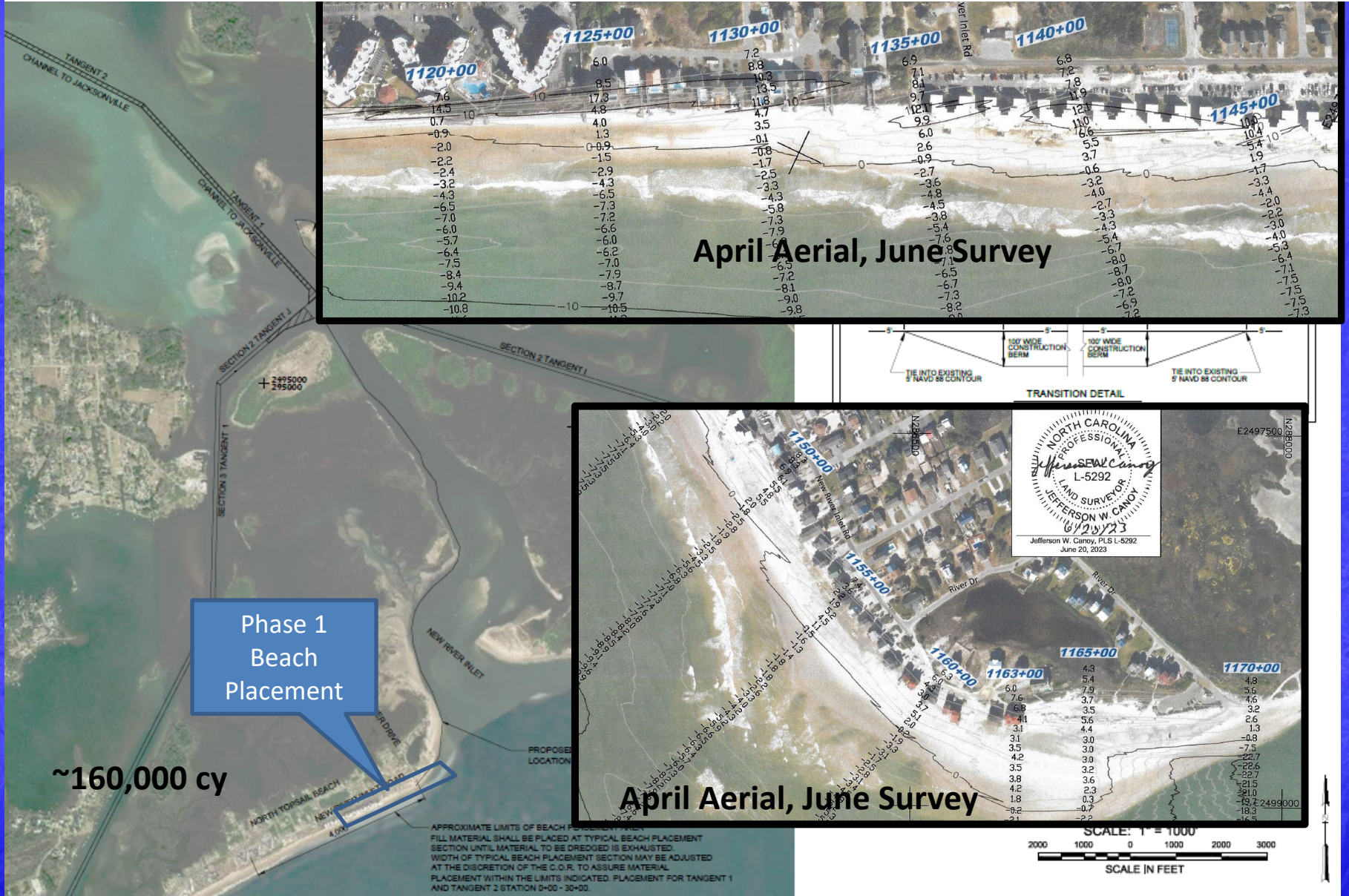
Marina, Coastal, Environmental  
& Water Resources Engineers

# Ongoing and Upcoming Projects Overview

## State Grant, Dorian and Florence FEMA Category G



# USACE (Corps) AIWW/Channel Dredging. Completed Mid March. June Survey Shows Material Still There.



# Phase 1 Beach (not Dune) Truck Haul Nourishment

Phase 1 Nourishment  
20,000 CY Planned for  
Upcoming Placement  
Environmental  
Window

March 2023 Placement: ~25,000 cy

Permitted for Placement

POTENTIAL BEACH ACCESS  
(TO BE COORDINATED WITH  
TOPSAIL REEF VILLAS)

REEF VILLAS)

EXISTING TEMPLATE  
(HATCHED)

EXISTING BEACH  
ACCESS AT  
JENKINS WAY  
MAY BE UTILIZED

LANDWARD EDGE OF FILL

MODIFIED  
TOE OF FILL

LANDWARD EDGE OF FILL

MODIFIED  
EDGE OF BERM

MHW:  
+1.1' NAVD88

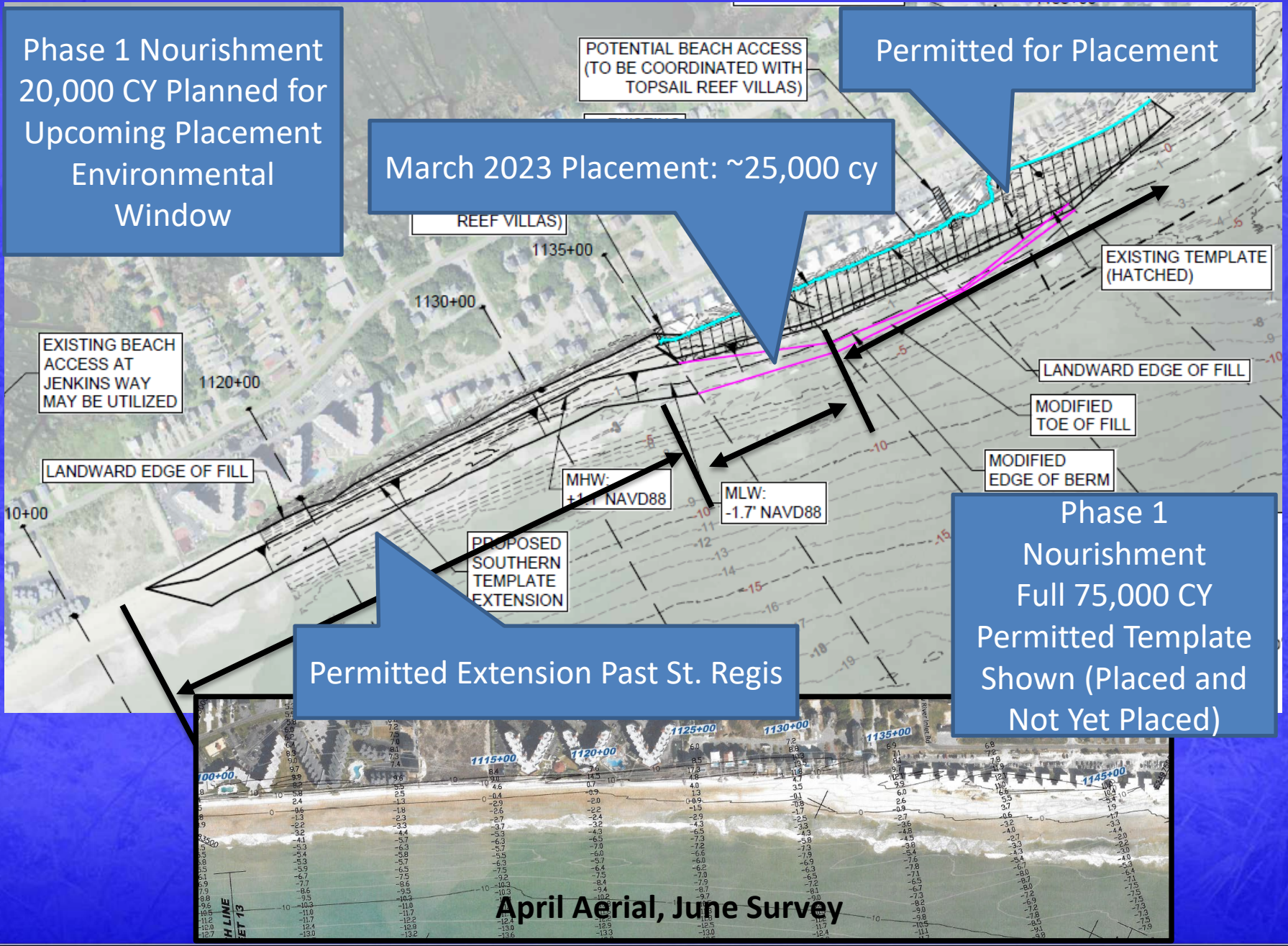
MLW:  
-1.7' NAVD88

PROPOSED  
SOUTHERN  
TEMPLATE  
EXTENSION

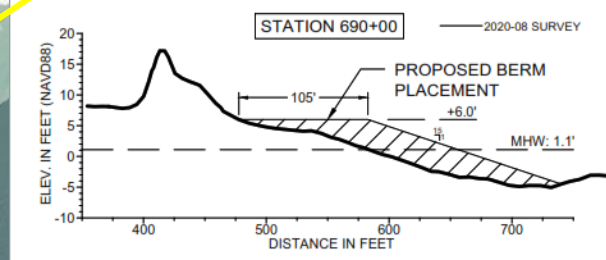
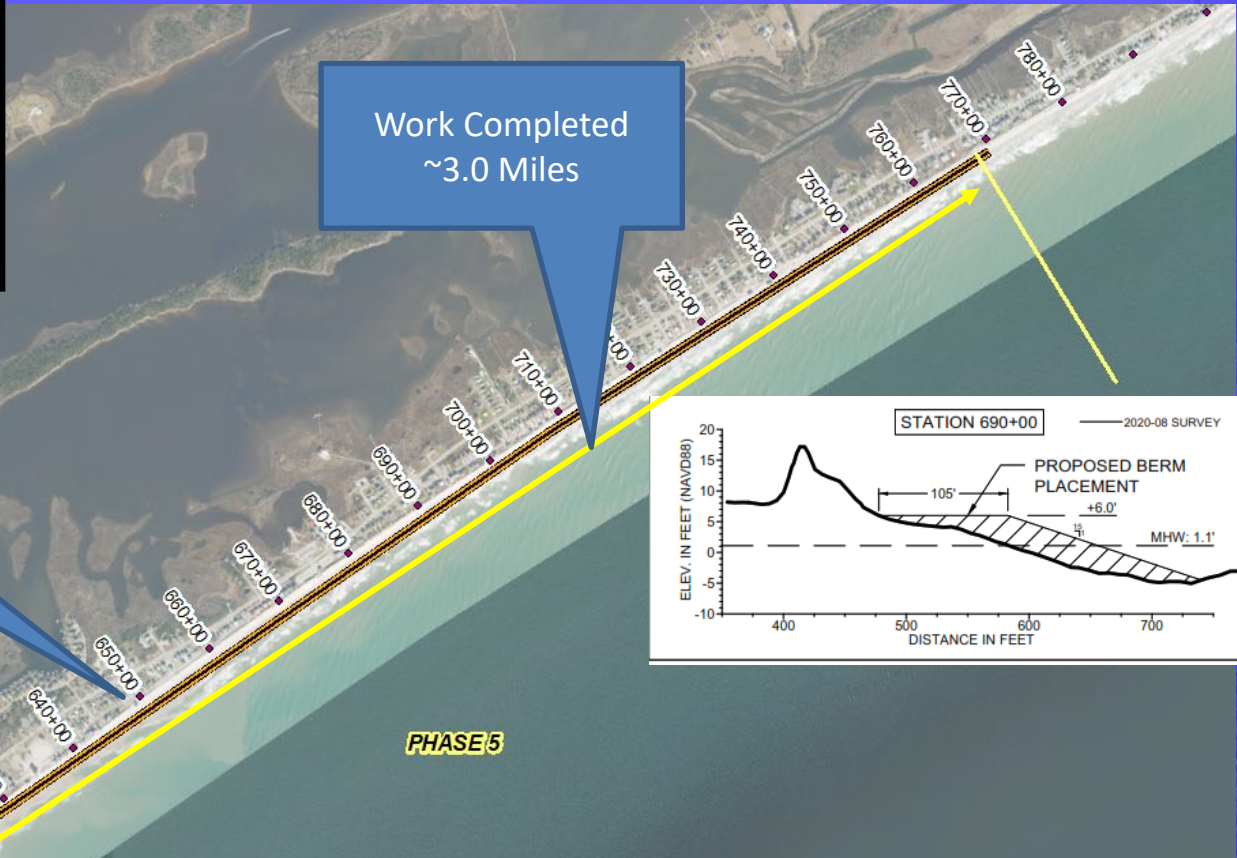
Phase 1  
Nourishment  
Full 75,000 CY  
Permitted Template  
Shown (Placed and  
Not Yet Placed)

Permitted Extension Past St. Regis

April Aerial, June Survey



# Ongoing Florence & Dorian Nourishment in Phase 5 Beach (not Dune) Nourishment. ~3.0 Miles of New Beach



Access at Gray Street and Working South

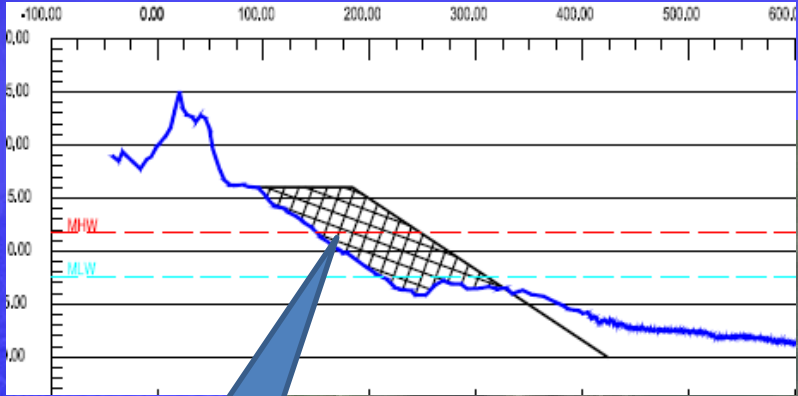
Remaining Work

Town Limit

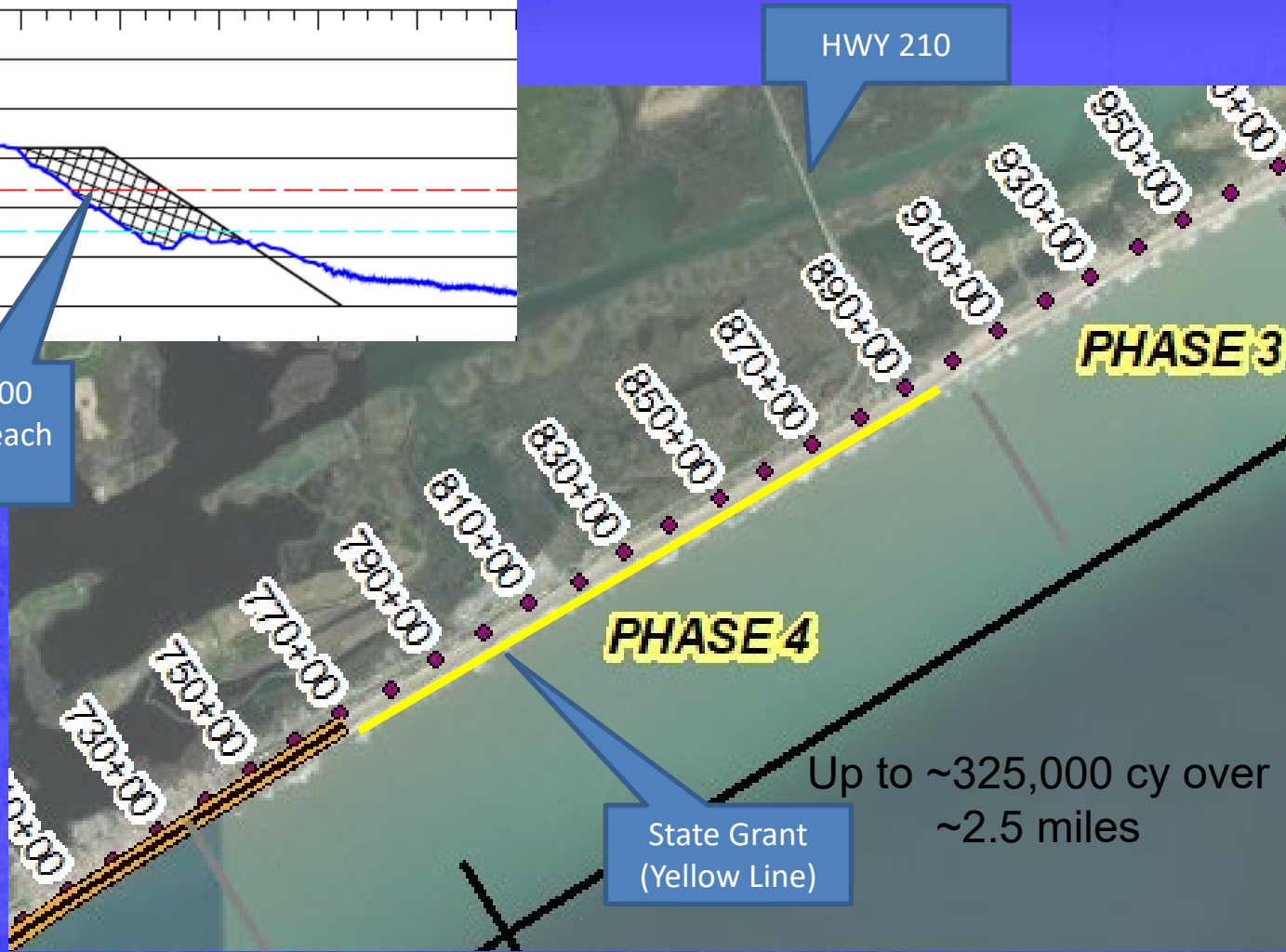


April Aerial June Survey

# Successful State Grant in Phase 4. Beach (not Dune) Nourishment



~80 to 100 Feet of Beach Width



State Grant (Yellow Line)

Project Timing vs Project Production

# County Beach Access Dune Rehabilitation - Completed

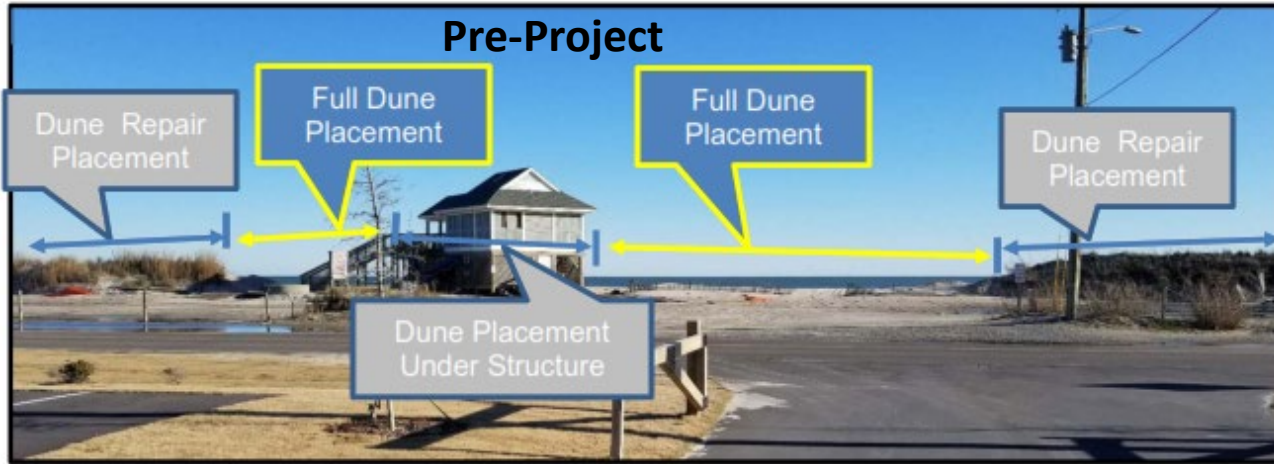
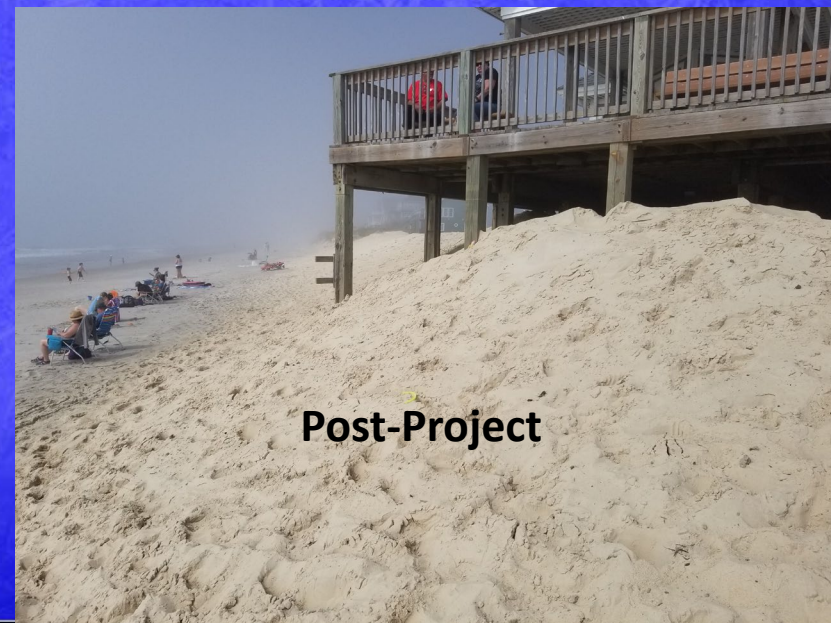


Figure 1: Dune Material Placement (photo taken February 3, 2021).



## Vegetation Sprigging Occurred last week of May (Sea Oats and Bitter Panicum)



# Town Beach Projects Updates

- Annual Monitoring Completed in June. Beach Wide Volume Comparison with Last Year's Survey Underway.
- Hurricane Dorian Phase 1 FEMA Category G (~15,000 cy) near Topsail Reef Condos. Completed ~25,000 cy at Topsail Reef Condos (bldgs. 5, 6, 7, 8) and ~20,000 cy now planned for placement.
- New River Inlet Management Master Plan EIS: Notice of Intent (NOI) has been published and Draft EIS under development.
- County Beach Access 4 –Vegetation Sprigging Completed Late May
- State Grant Nourishment - ~325,000 cy in Phase 4 and connects with Phase 5 Truck Haul.
- Phase 5 Beach Nourishment – Placed ~411,000 cy. Remaining volume (~226,000 cy).
- Working with NTB Finance Officer and DEC Associates regarding funding for FEMA and State funded projects
- Permitting Coordination (all projects)

