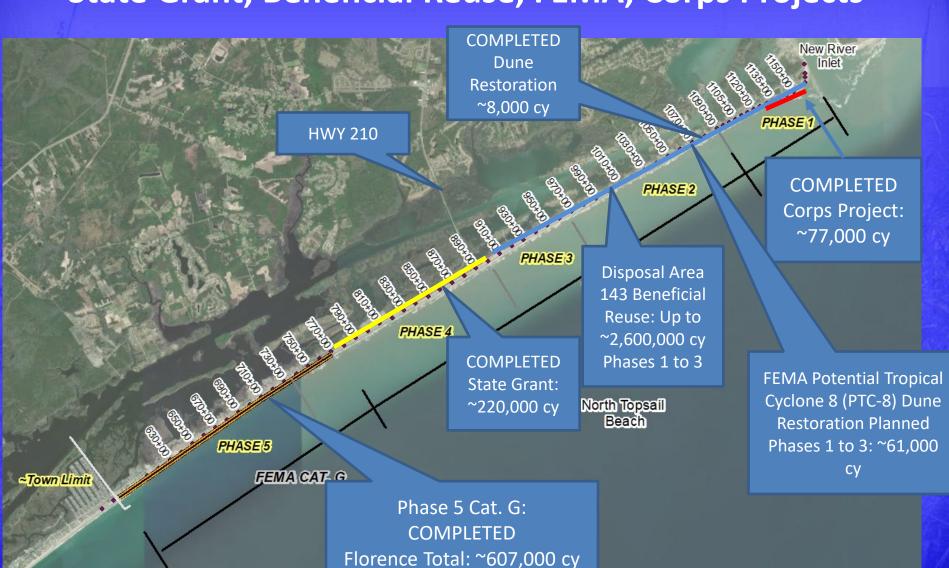


## Recent and Upcoming Projects Overview State Grant, Beneficial Reuse, FEMA, Corps Projects



Dorian Total: ~30,000 cy

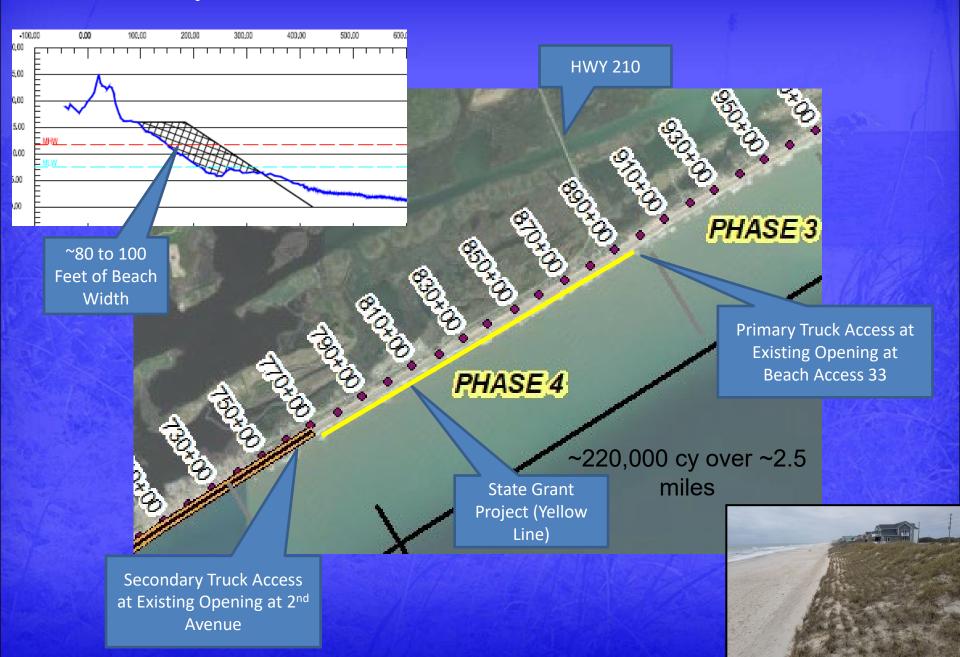
### **USACE Navigation Dredging and Placement Phase 1 Corps Beneficial Reuse Project**



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 waves/surge).



#### **Completed State Grant in Phase 4. Beach Nourishment**



#### **Phase 4 Nourishment**

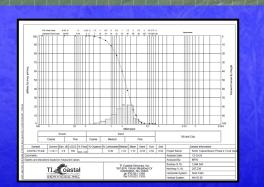
#### ~220,000 cy Placed













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



#### **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.

<u>PUBLIC ASSISTANCE</u> (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

#### **Public Assistance**

APPLICANT BRIEFING
Potential Tropical Cyclone Eight 2024

#### 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

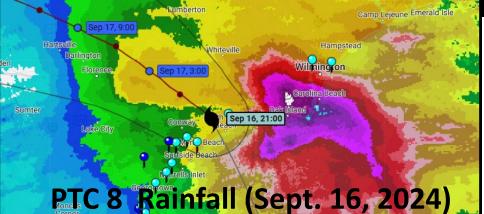
2 CFR

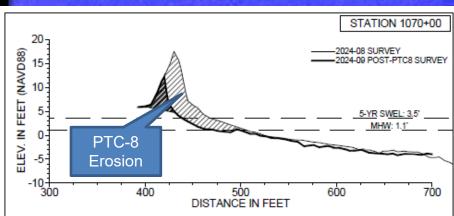
Procurement Requirements PA Program & Policy Guide (PAPPG)

Policy

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







#### **Potential Tropical Cyclone (PTC) 8**

- FEMA Qualified Volume Calculations Based on 5-Year Storm Runup and Erosion Analysis
- FEMA Consolidated Resource Center (CRC) continues to review. Have issued 3 requests for additional information.



FEMA Category B
Mitigation Not
Calculated by Dune
Losses

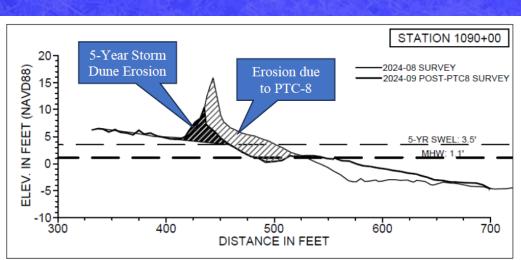
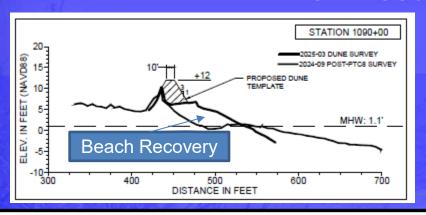


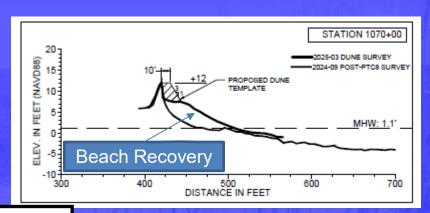
Figure 4: Transect 1090+00 profile showing PTC-8 erosion as well as 5-year storm erosion of 6 cy/ft (as recommended in FEMA mapping guidance).



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

#### **ST Wooten – Contractor**

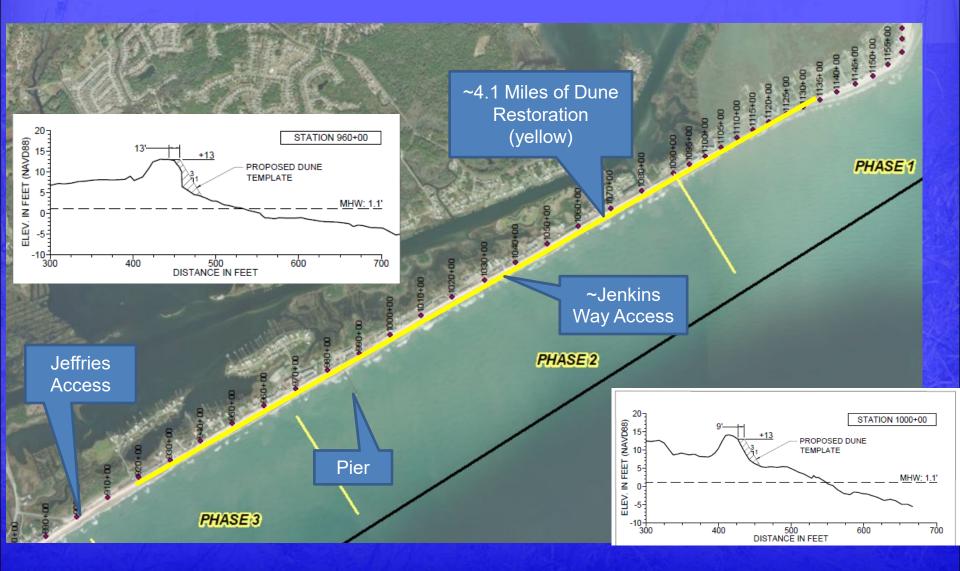






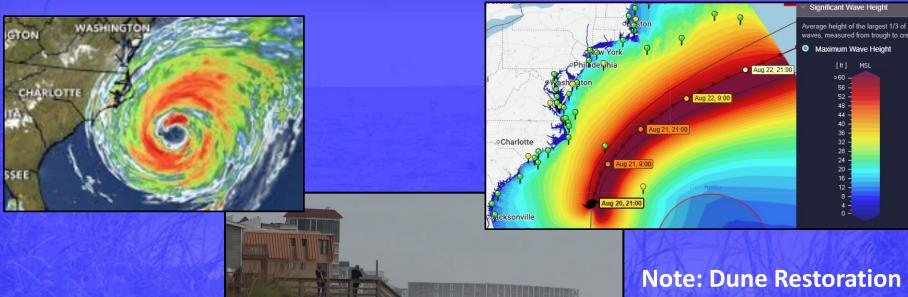


# Northern Shoreline Dune Restoration (Phases 1 to 3 for 61,000 cy) Planned to Start This November ST Wooten – Contractor



#### Hurricane Erin August 20-21

Phases 4 and 5 held up well. Dune scarping and erosion along Phases 1, 2, and 3



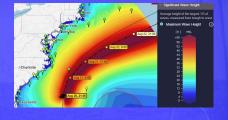
Note: Dune Restoration
Planned for Phases 1, 2, 3
Starting November 16



#### Hurricane Erin August 20-21

Phases 4 and 5 held up well. Dune scarping and erosion along Phases 1, 2, and 3











#### **Post-Erin**

Note: Dune Restoration
Planned for Phases 1, 2, 3
Starting November 16



### Town Beach Projects Updates

- New River Inlet Management Master Plan EIS: Final Sections of Draft EIS under several levels of USACE review. Higher level review ongoing.
- Post Tropical Cyclone 8 FEMA/NCEM coordination continues. FEMA have issued 3 requests for Information. 61,000 cy dune restoration in Phases 1,2 and 3 to occur beginning this November 16.
- Disposal Area 143 Beneficial Reuse for Nourishment of Phases 1,2,3 of between ~1.9 and ~2.6 million cubic yards. "One-Stop" pre-permit application held with agencies and final permit application in development. Coordination on DA143 use ongoing with Wildlife Resources Commission (WRC)
- 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)







