

# TOWN OF OAK ISLAND

## Update on the Lower Lockwood Folly Habitat Restoration and Dredging Project

**Informational Briefing for the Oak  
Island Town Council  
January 13, 2015**



# What is the Purpose of the “Eastern Channel Project

1. Assist in the preservation of clean shell fish waters in the Town of Oak Island, and
2. Improve flow to the estuarine areas on Oak Island for fish nurseries and nursery habitats, and
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3. Restore the historical original channel of the river behind existing Blue Water Point Marina to the Ocean.
4. Provide high quality beach sand for beach renourishment.
5. Restore a safe navigational channel for both commercial and recreational fishermen.

# Beach Sand Investigations



**Eastern Channel would be a more available sand source of Beach Sand.**

**Legend**

- Wilmington Harbor Navigation Channel

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# Overview of the Proposed Project



▣ **What is urgency of this Project ?**









# Tool Box of Financing Options

- ❖ State Funding

- ❖ Accommodations Tax (Beach Fund)

- ❖ No Ad Valorem Tax is planned to be used

# Costs and Revenues for the Project

- ▣ Total cost for LLFHRP ~ \$3,545,000  
(Pending final figure from Moffat and Nichol Coastal Engineers)
- ▣ State Request \$1,772,000
- ▣ County Request \$ 500,000
- ▣ Beach Fund and Accommodation Fund

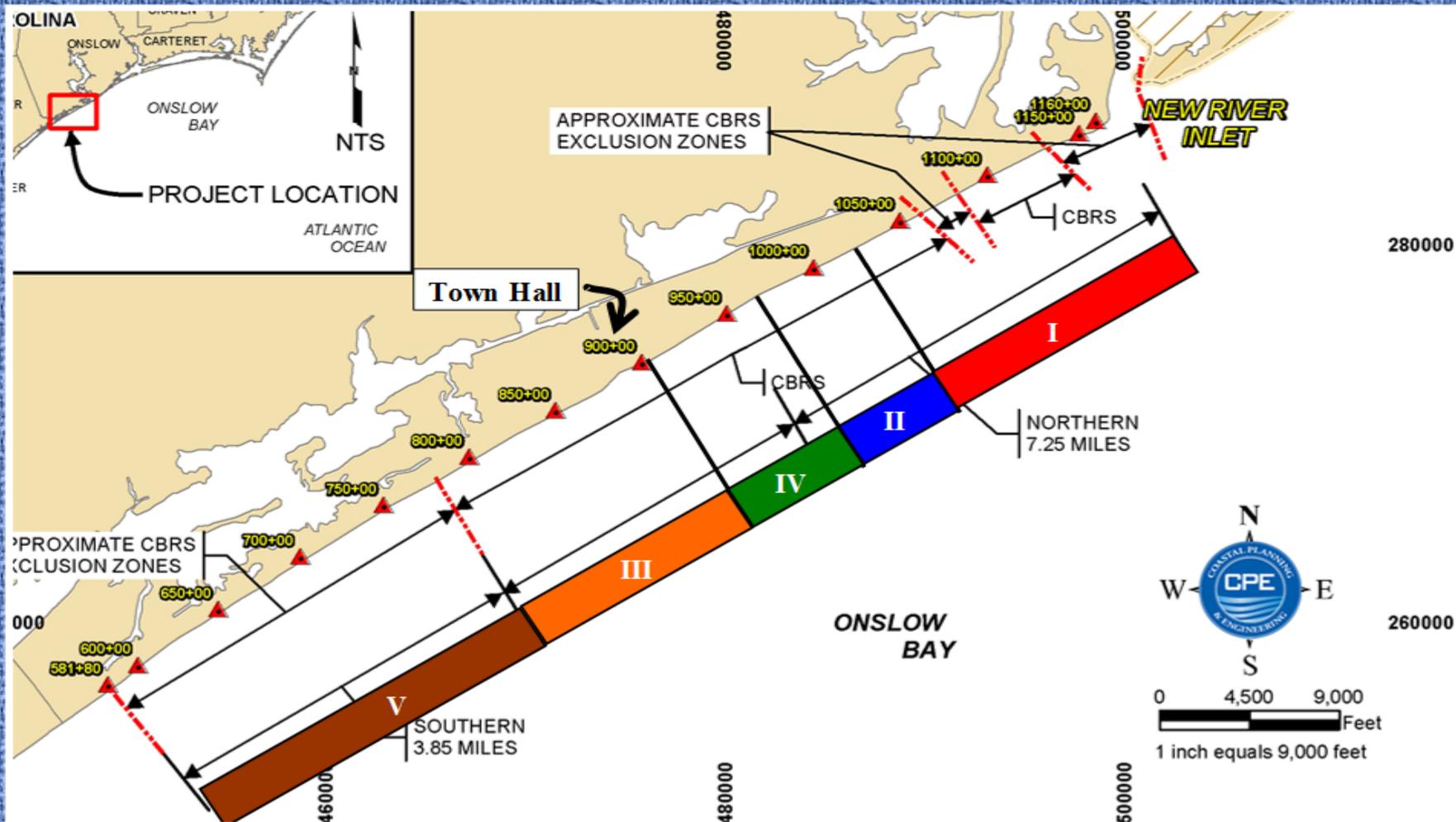
# Eastern Channel Project

- ▣ Design, Permitting and Construction Observation Services Engineering (Design and Construction Observations) \$274,925
- ▣ Construction Costs Mob/ Demob Total Construction Costs \$2,808,000
- ▣ Contingency 15% \$462,439
- ▣ Total Project Budget \$3,545,364



# ▣ Discussion of the Phase 1 Project at North Topsail Beach

# N. Topsail Renourishment Phases



# Phase 1 NTB



High  
Erosion  
Area

## Phase I

Length = 9,000 ft  
Design Width = 75 ft  
Volume = 544,400 cy  
Source - New River Inlet

# NTB Erosion



**Demolition and  
Litigation Costs- \$2.6  
Million**

# Years Later



**Residual Debris consisting of concrete, rebar, wood pilings are still buried in the surf.**

- **Some of the reasons the Project should move forward**
- • **Save several million dollars' worth of real estate and the accompanying ad valorem and accommodation taxes lost year in and year out**
- • **Provide protection for other existing structures that may be in the same condition in the near term.**
- • **Save in the costs of the cleanup should these houses should they collapse into the ocean ( North Topsail Beach cost to the Town for six structures \$2.6M)**
- • **Should they not collapse, but they may sit in the surf for several years on pending litigation**
- • **Dangerous debris left in the surf.**
- • **Negative publicity, and damage to home prices town wide for the Town's negligence in allowing this to happen**
- • **Lost tourism and accommodation tax dollars, because no one wants to sit on a washed out beach. ( We have already received inquiries)**
- • **A continued "clogged unusable dangerous channel" for recreational boating**
- • **Decreased shellfish areas with contaminated coruscations.**
- • **The Town has no other active beach nourishment in the pipeline**
- • **The last new Federal "Storm Damage Reduction Project" was funded 30 years ago.**
- • **Should the Town identify a new project the closest known recommended sand source is offshore frying pay shoals**

▣ Local Government serves two basic functions:

▣ 1. Public Safety, and

▣ 2. Protection of Property