

CORPS ON THE COAST

North Carolina Coastal Conference
Coastal Infrastructure
Raleigh, NC
April 14, 2015

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Chief, Programs Management Branch



®

US Army Corps of Engineers
BUILDING STRONG®

OVERVIEW

What Are The Corps Responsibilities/Missions?

Coastal Activities/Challenges:

Navigation

Coastal Storm Damage Reduction

Ecosystem Restoration

Regulatory

Takeaways

Port of Wilmington, Eagle Island in background

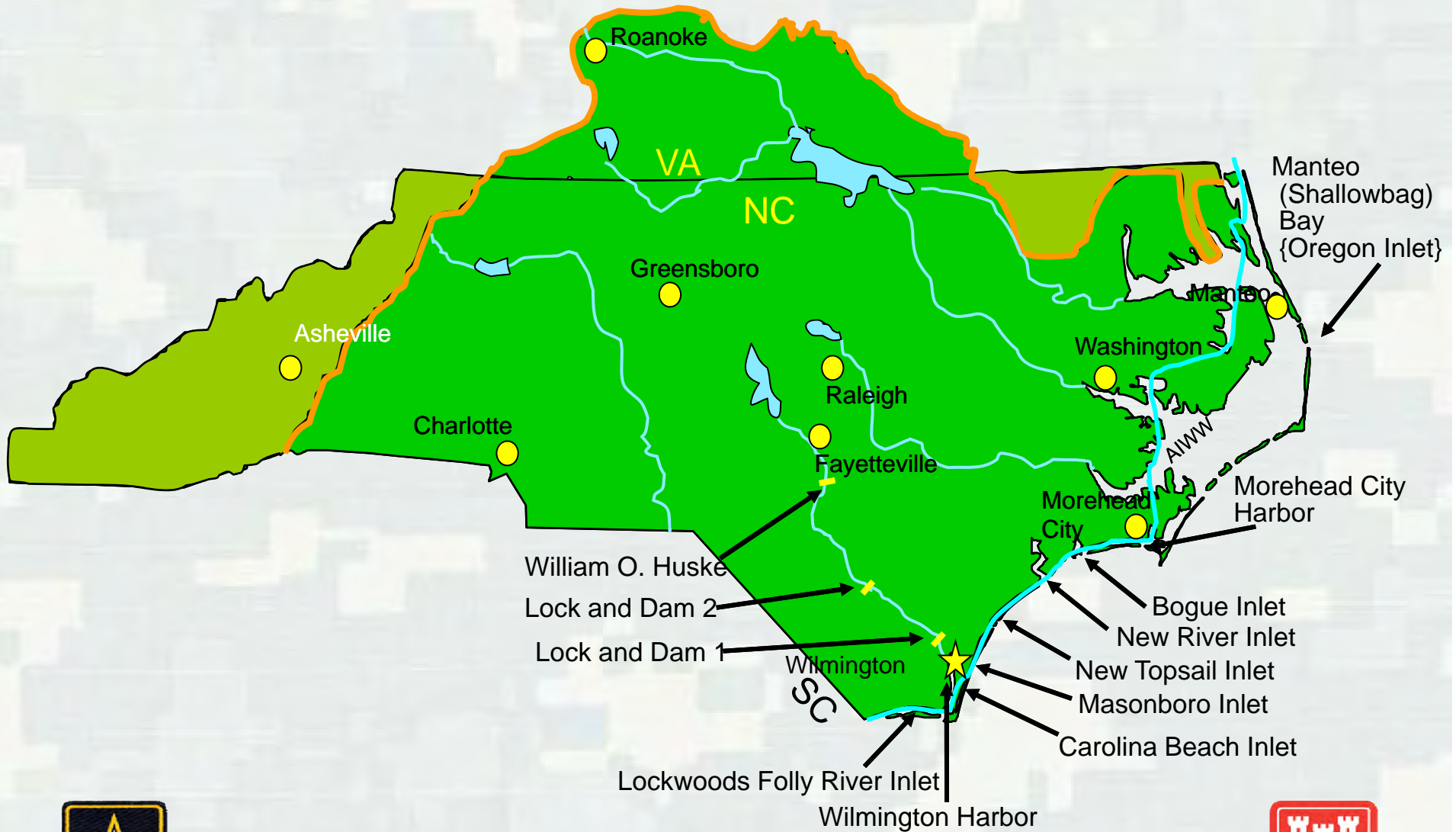


CORPS OF ENGINEERS RESPONSIBILITIES/MISSIONS

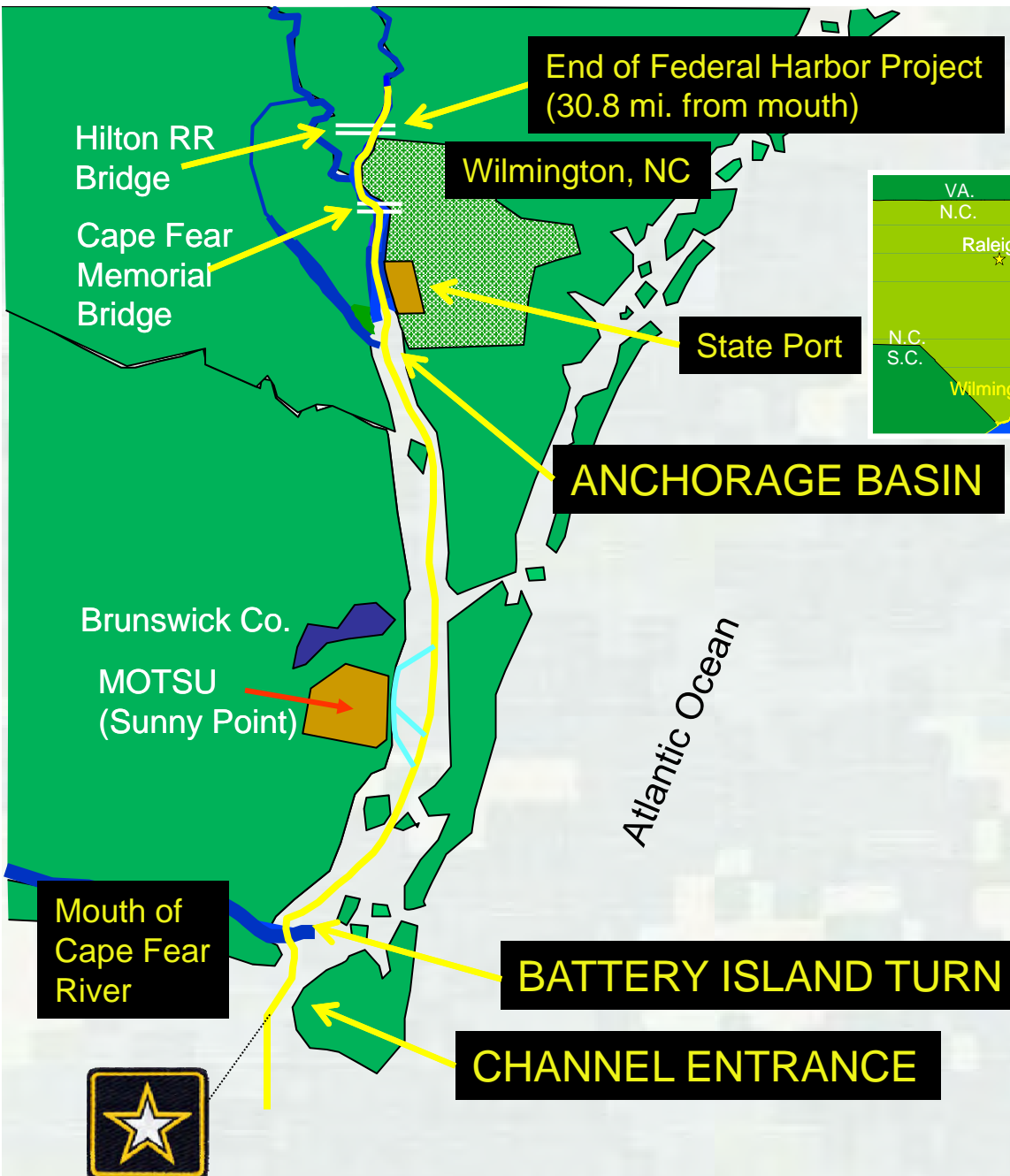
- Defend Nation by Enhancing our Military and Economic Capabilities
- Wilmington District operates in North Carolina and southern Virginia
- Civil Works Program (many activities are cost shared) includes:
 - Conduct of Studies
 - Construction
 - Operation and Maintenance
- Civil Works Missions include:
 - Navigation
 - Flood Risk Management incl. Coastal Storm Damage Reduction
 - Ecosystem Restoration
 - Recreation/Hydropower/Water Supply/Environmental
 - Regulatory Permit Program
 - Readiness Contingency Operations/Emergency Management



NAVIGATION PROJECTS in NC



WILMINGTON HARBOR, NC



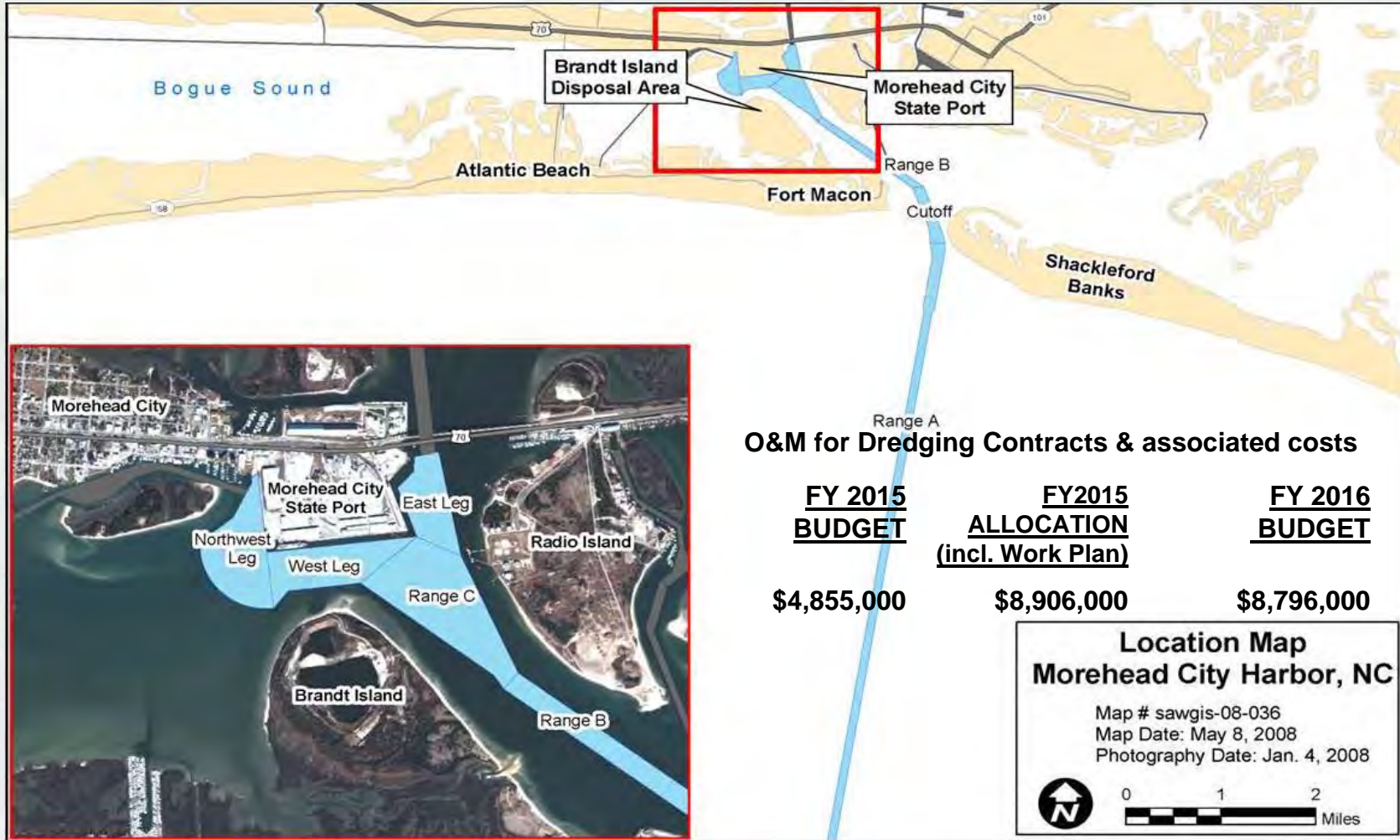
O&M for Dredging Contracts & associated costs

<u>FY 2015</u> <u>BUDGET</u>	<u>FY2015</u> <u>ALLOCATION</u> <u>(incl. Work Plan)</u>	<u>FY 2016</u> <u>BUDGET</u>
\$14,127,000	\$13,986,000	\$15,019,000

- Study finishing w/Battery Island Turn & Channel Entrance Realignment via O&M
- Further Studies



Morehead City Harbor, NC



O&M for Dredging Contracts & associated costs

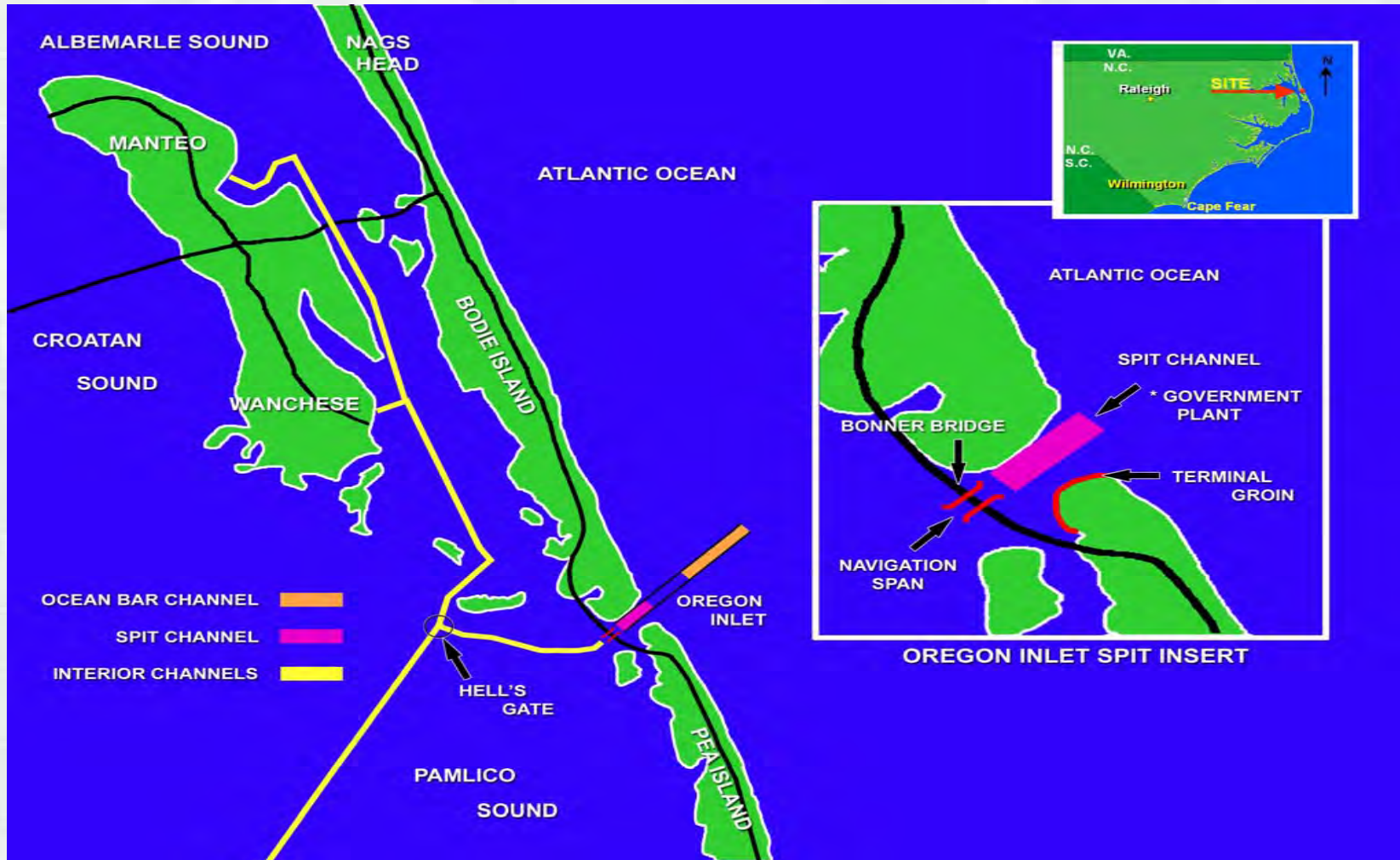
<u>FY 2015</u> <u>BUDGET</u>	<u>FY2015</u> <u>ALLOCATION</u> <u>(incl. Work Plan)</u>	<u>FY 2016</u> <u>BUDGET</u>
\$4,855,000	\$8,906,000	\$8,796,000

Location Map
Morehead City Harbor, NC

Map # sawgis-08-036
Map Date: May 8, 2008
Photography Date: Jan. 4, 2008



Manteo (Shallowbag) Bay, NC



O&M for Hydrographic Surveys & minimal Dredging by Gov't Plant & associated costs

FY 2015
BUDGET

\$800,000

FY2015
ALLOCATION
(incl. Work Plan)

\$1,992,000

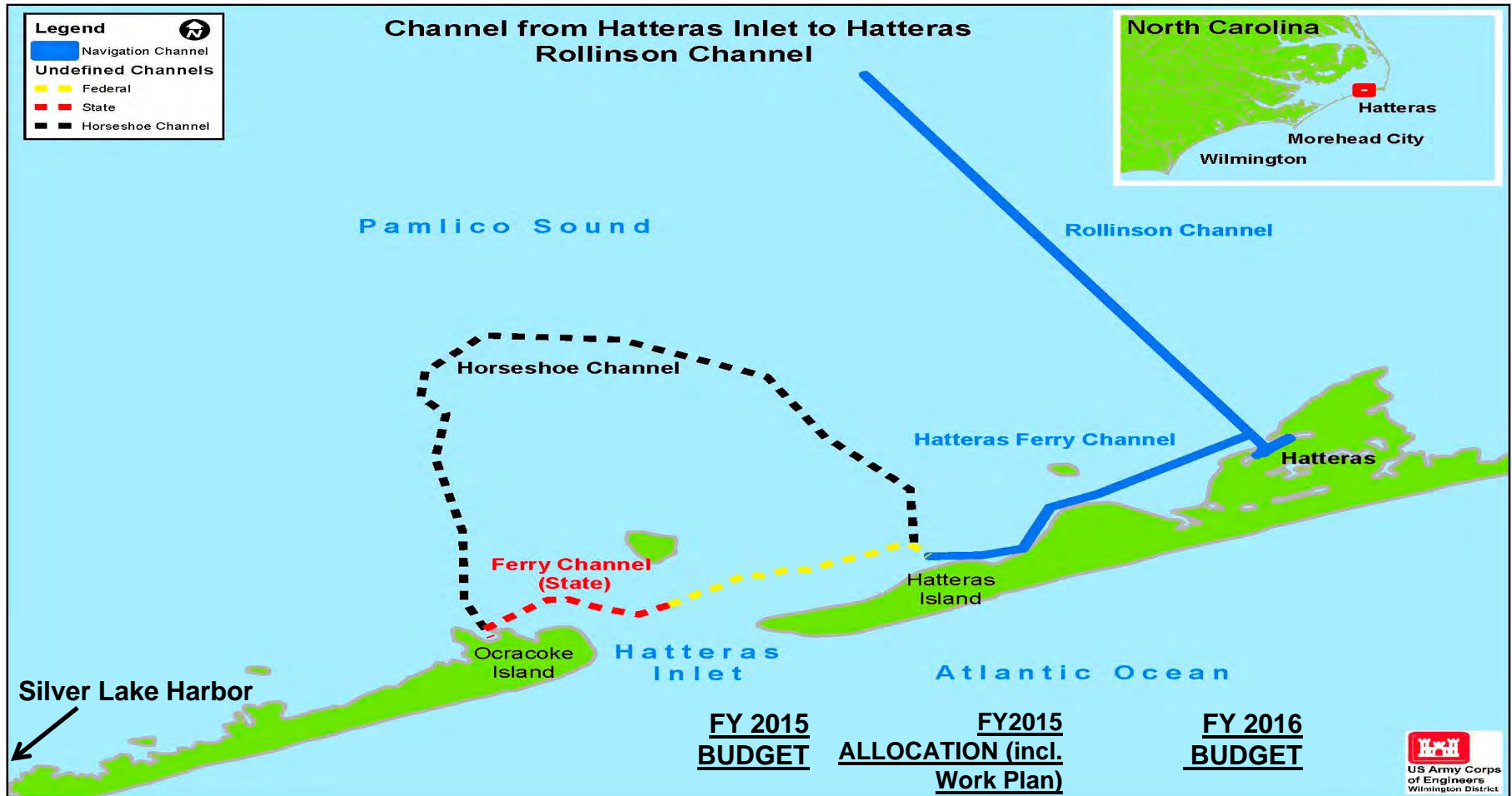
FY 2016
BUDGET

\$2,000,000



BUILDING STRONG®

Rollinson Channel and Alternate Ferry Route



ROLLINSON CHANNEL inc.
Hatteras Ferry Channel
SILVER LAKE HARBOR, NC

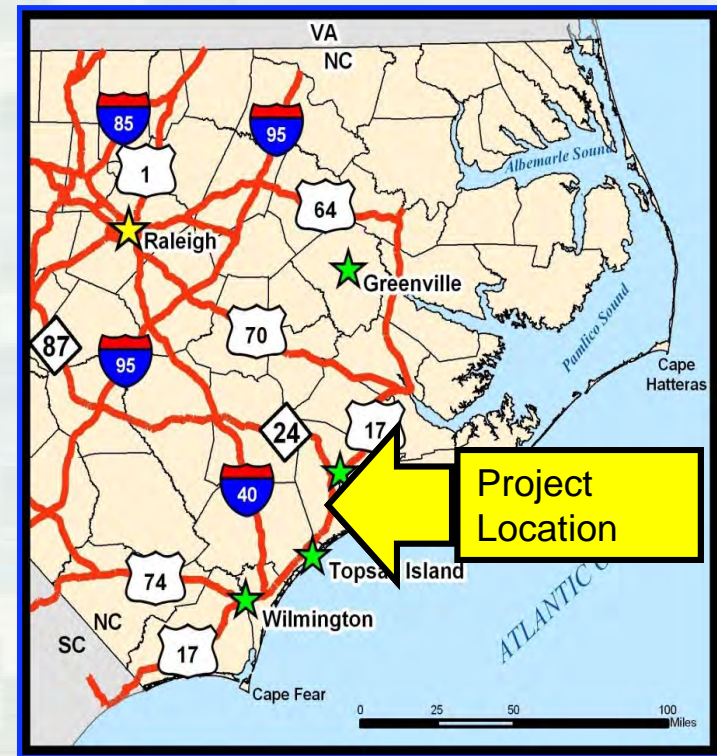
\$550,000
\$300,000



Coastal Storm Damage Reduction in NC



West Onslow (Topsail Beach) and Surf City / North Topsail Beach, NC



Need Construction New
Start Appropriations;
Sunset to Authorizations?



Carolina Beach and Vicinity, NC



- Nourishment contract late summer 2015
- Still awaiting WRRDA implementation guidance on 15 year extension analysis



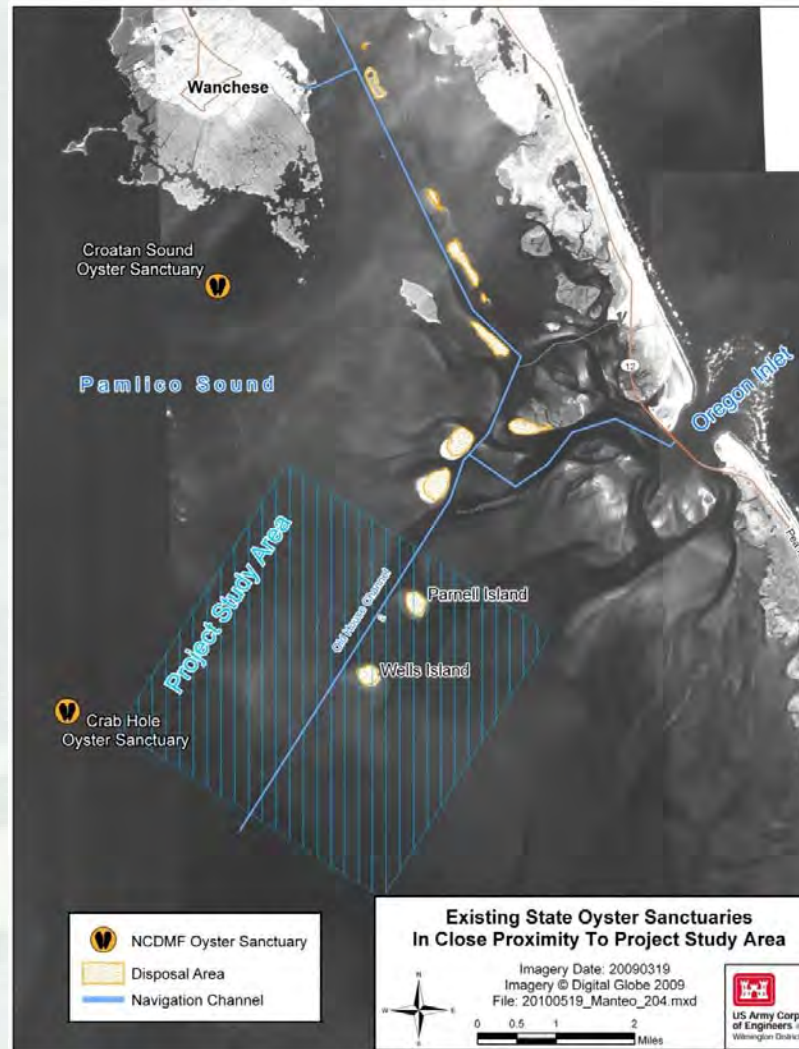
Ecosystem Restoration in NC

MANTEO SEC. 204

- Creation of 15 Acres
Oyster Habitat near Old
House Channel

MANTEO (SHALLOWBAG) BAY

- Creation of 42 acres of
oyster habitat for mitigation
for prior dredging of
Wanchese Harbor



Regulatory – Terminal Groins, NC



- In 2011, the North Carolina General Assembly lifted a 25-year ban on the construction of terminal groins (TG) along the coast of North Carolina.
- The Corps has or is reviewing 4 TG proposals including Bald Head Island, Figure Eight Island, Ocean Isle Beach and Holden Beach.



Regulatory - Shallow Draft Inlets, NC

- State/local governments anticipated to request permits to perform maintenance dredging in Federal channels including:

- Bogue Inlet,
- Carolina Beach Inlet
- Lockwoods Folly River
- New River Inlet
- New Topsail Inlet and
- Shallotte Inlet



Carolina Beach Inlet



Regulatory – Coastal Nourishment Projects, NC

- Permits being requested for numerous coastal nourishment projects are being undertaken and funded by municipalities.
- Recent projects include:
 - Topsail Beach
 - North Topsail Beach
 - Oak Island
 - Town Of Nags Head (completed)
 - Duck, Kitty Hawk and Kill Devil Hills



Topsail Beach



Takeaways

- Active civil works program on the coast of North Carolina
- Federal funding to meet all challenges not certain
- New strategies for moving forward:
 - Contributed funds
 - Sponsors taking action in era of Federal fiscal constraints



Wilmington District

