



US Army Corps
of Engineers
Wilmington District

West Onslow Beach and New River Inlet
Topsail Beach, NC
(Coastal Storm Risk Management)

- **Sponsor: Town of Topsail Beach**
- **Project authorized for construction in WRRDA 2014**
- **Project ready for new construction start**
- **Plans and specifications substantially complete**
- **Length of locally preferred plan is about 4.4 miles**



CONGRESSIONAL DISTRICT: NC 7

DATE: 25 March 2019

1. **AUTHORIZATION:** Water Resources Reform and Development Act of 2014.
2. **LOCATION AND DESCRIPTION:** Topsail Island is a well-developed barrier island located about 25 miles northeast of Wilmington between New Topsail Inlet and New River Inlet. From north to south, this island includes the communities of North Topsail Beach, Surf City, and Topsail Beach. The town of Topsail Beach is the non-Federal partner for the project. The authorized project provides for a dune at elevation 12 feet NGVD and a berm at elevation 7 feet NGVD for a distance of 23,200 feet with a southern transition of 1,000 feet with a berm only at elevation 7 feet NGVD and a northern transition of 2,000 feet with a berm only at elevation 7 feet NGVD. A periodic nourishment cycle of 4 years is proposed under the authorized plan.

3. **COST ESTIMATE:** Project Construction (Price level as of 1 October 2016):

Initial Construction:	
\$25,593,000	(Federal – 65%)
\$13,781,000	(Non-Federal – 35%)
(\$11,719,000)	(Non-Federal Cash Contribution)
(\$2,062,000)	(Non-Federal Lands and Damages)
\$39,374,000	

PROJECT INFORMATION – West Onslow Beach and New River Inlet, Topsail Beach, NC
(Coastal Storm Risk Management) – Continued

Periodic Nourishment:

\$139,882,000	(Federal – 50%)
<u>\$139,882,000</u>	(Non-Federal – 50%)
\$279,764,000	

Total Estimated Project Cost:

\$165,475,000	Federal
<u>\$153,663,000</u>	Non-Federal
\$319,138,000	Total

4. **FEDERAL FUNDING ALLOCATION THRU FY 2018:** \$3,521,000.
5. **FY 2019 FUNDING ALLOCATION:** \$0.
6. **FY 2020 BUDGET AMOUNT:** \$0. Funding in the amount of \$550,000 could be used to sign a Project Partnership Agreement, assist with real estate acquisition, and finalize plans and specifications for award of the initial construction contract.
7. **KEY DATES:**
 - June 2013 – Plans and specifications substantially complete.
 - June 2014 – Project authorized for construction in WRRDA 2014.
 - TBD – Execution of project partnership agreement, subject to the appropriation of construction funding.
8. **OTHER INFORMATION:** A general reevaluation report (GRR) was initiated in 2001, with the resultant Chief’s Report signed on 28 September 2009, cleared by the Office of Management and Budget and forwarded to Congress on 23 April 2010 and authorized by WRRDA-2014. The project authorization will expire ten years from enactment unless construction is initiation within this time period. Vulnerability to severe storm damage without project conditions was confirmed by the devastating effect of Hurricane Florence on all three towns in Topsail Island with estimated damages to beach, structures and infrastructure estimated at over \$100M. Historical damages from Hurricanes Fran (1996) and Floyd (1999) caused \$37M to publicly and privately owned properties. Severe erosion has either severely damaged or destroyed the primary dune system along much of the island, further increasing vulnerability. Estimated average damages without the proposed project are over \$19M per year.