



US Army Corps
of Engineers
Wilmington District

Boque Banks, NC (Coastal Storm Damage Reduction - Investigations)

- **Sponsor: Carteret County**
- **Feasibility cost sharing agreement executed in February 2001**
- **Chief's Report signed December 2014**
- **Initiate PED in FY 2016 subject to availability of funds**



CONGRESSIONAL DISTRICT: NC 3

DATE: 23 February 2015

1. **AUTHORIZATION:** Resolution adopted by the Committee on Transportation and Infrastructure of the United States House of Representatives dated 23 July 1998.
2. **STUDY AREA:** Bogue Banks, located in Carteret County in eastern North Carolina, is a barrier island situated between Beaufort Inlet to the east and Bogue Inlet to the west. The barrier island is approximately 24 miles in length with the Atlantic Ocean to the south and Bogue Sound to the north. From east to west, the communities of Atlantic Beach, Pine Knoll Shores, Salter Path, Indian Beach, and Emerald Isle are located on Bogue Banks. Fort Macon State Park is located at the east end adjacent to Beaufort Inlet, and the Theodore Roosevelt Natural Area is located adjacent to Pine Knoll Shores. The communities are rapidly growing, and visitation to Bogue Banks is high due to the unique character of the island and the presence of one of the last remaining maritime forests on a barrier island in North Carolina.
3. **IMPROVEMENTS DESIRED:** All communities on Bogue Banks are concerned about erosion along their shorelines. This erosion is threatening the primary dune system and the structures which are located along the ocean shoreline. Local interests desire a coastal storm damage reduction project consisting of periodic renourishment to reduce the risk of damage to the upland structures. The recommended plan as included within the final feasibility report and signed Chief's Report, consists of a 119,670 foot (22.7 miles) long main beach fill with a consistent berm profile across the entire area, and dune expansion in certain shoreline reaches (approximately 5.9 miles of the project). The main beach fill would be bordered on either side by a 1,000 foot tapered transition zone berm. Material for the beach fill would be delivered from offshore borrow areas by dredge. The project would be eligible to be renourished every three years following initial

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construction, in order to rebuild the project back to the authorized dimensions. Materials for the project could be dredged from three offshore borrow locations.

4. **COST ESTIMATE:** \$ 1,500,000 (PED/Federal)
 \$ 500,000 (PED/Non-Federal)
 \$2,000,000 Total
5. **FEDERAL FUNDING ALLOCATION THRU FY 2014:** \$0. Carry-in funds were used to continue the feasibility phase.
6. **FY 2015 FUNDING ALLOCATION:** \$0. Carry-in funds were used to complete the feasibility phase resulting in the signing of the Chief's Report. No further activities planned.
7. **FY 2016 BUDGET AMOUNT:** \$0.
8. **KEY DATES:** June 2014 – Civil Works Review Board
December 2014 – Signed Chief's Report
Initiate PED in FY2016, subject to availability of funds