



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**
- **Feasibility phase scheduled for completion in April 2014**
- **Initiate PED in June 2014 subject to availability of funds**



CONGRESSIONAL DISTRICT: NC 3

DATE: 8 April 2013

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 coastal renourishment to reduce the risk of damage to the upland structures. The tentatively selected plan proposed within the alternative formulation briefing report consists of an 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. Sand 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 construction, in order to build the project back up to the authorized dimensions. Material for the project would be dredged from three offshore borrows locations.

PROJECT INFORMATION - Bogue Banks, NC (Coastal Storm Damage Reduction - Investigations) - Continued

4. **COST ESTIMATE:** \$1,500,000 (PED/Federal)
 \$ 500,000 (PED/Non-Federal)
 \$2,000,000 Total

5. **FEDERAL FUNDING ALLOCATION THRU FY 2012:** \$ 2,340,000 (Feasibility phase)/ \$0 (PED).

6. **FY 2013 BUDGET AMOUNT:** \$445,000. Funds would be used to continue the feasibility phase and hold the AFB conference.

7. **FY 2014 BUDGET AMOUNT:** \$0. Carry-in funds would be used to complete the feasibility phase including the issuance of the Division Engineer's final report. The project was not included in the President's Budget to initiate PED. Funds in the amount of \$200,000 could be used to initiate PED.

8. **KEY DATES:** April 2014 - Complete Feasibility phase
 June 2014 - Initiate PED subject to availability of funds

9. **OTHER INFORMATION:** American Recovery and Reinvestment Act funds were utilized to initiate a coastal and economic analysis for the project using architect/engineering services. This analysis was completed in FY 2012. Further, all communities on Bogue Banks are seriously concerned about erosion along their shorelines. This erosion has damaged and placed the primary dune system as well as the structures behind the dune at high risk for damage from future storms.