



US Army Corps
of Engineers
Wilmington District

Carteret County, NC (Bogue Banks) (Coastal Storm Risk Management)

- **Sponsor: Carteret County**
- **Signed Chief's Report December 2014**
- **Authorized for construction in the Water Resources and Development Act of 2016**
- **Executed Design Agreement in November 2017; Preconstruction Engineering and Design to complete in FY 2020**



CONGRESSIONAL DISTRICT: NC 3

DATE: 25 March 2019

1. **AUTHORIZATION:** Water Resources Development Act (WRDA) of 2016.
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 risk management 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 construction, in order to rebuild the project back to the authorized dimensions. Materials for the project could be dredged from three offshore borrow locations.

PROJECT INFORMATION – Carteret County, NC (Bogue Banks, NC) (Coastal Storm Risk Management) – Continued

4. **COST ESTIMATE:** Preconstruction Engineering & Design (PED)

\$ 1,300,000	(Federal)
<u>\$ 700,000</u>	(non-Federal)
\$ 2,000,000	Total

5. **FEDERAL FUNDING ALLOCATION THRU FY 2018:** \$1,300,000.

6. **FY 2019 BUDGET AMOUNT:** \$0. Carry in funds are being used to work on PED activities.

7. **FY 2020 BUDGET AMOUNT:** \$0. Continue PED activities using carry-in Federal and non-Federal funding.

8. **KEY DATES:**

December 2014 – Signed Chief’s Report

December 2016 – Authorized for Construction in WRDA 2016

November 2017 – Initiated PED in FY 2018

December 2019 – Complete PED