



US Army Corps
of Engineers®
Wilmington District

Brunswick County Beaches, Oak Island Portion, NC (Coastal Storm Risk Management)

- **Oak Island General Re-evaluation Report**
- **Study Area Impacted by Hurricane Matthew in 2016, Florence in 2018, and Isaias in 2020**
- **Study Cost: \$3,000,000; cost shared 50/50**
- **Initial funding received in FY2023**



CONGRESSIONAL DISTRICT: NC 07

DATE: 10 MARCH 2023

1. **AUTHORIZATION:** Construction Authority: Sec. 203 of FCA 1966 (PL 89-789) as modified by WRDA 1986 (PL 99-662). Unconstructed.
2. **LOCATION AND DESCRIPTION:** The project is in Brunswick County, North Carolina. The authorized project includes the Ocean Isle Beach, Oak Island and Holden Beach portions. The authorized project reduces flood damages along these coastline areas due to hurricane and storm action and shoreline erosion. To date, only the Ocean Isle Beach portion of this project has been constructed.

Oak Island is a seaside town located in the southeastern corner of North Carolina. Part of Brunswick County, the major portion of the town is on Oak Island which it shares with Caswell Beach. Founded in 1999 as the result of the consolidation of two previously existing towns, Oak Island's main industry is tourism. Per the 2020 census, it had a permanent population of approximately 8,300.

3. **PURPOSE:** Hurricane Florence made Landfall as a Category 1 Hurricane just 30 miles to the north of Holden and Oak Island but took a long slow track along the coastline and passing directly over these beaches dropping as a Category 1 storm. The storm dropped over 20 inches of rain in the area and experienced winds in excess of 60 mph for a duration of approximately 6 hours. The study area is subject to coastal storms of increased frequency and intensity, and the project needs a reformulation of the existing design, including its dunes and berm, to determine if any components of the project's design need to be modified to provide resilience from the impact of erosion, waves and coastal inundation on structures and infrastructure.

PROJECT INFORMATION – Brunswick County Beaches, Oak Island Portion, NC Coastal Storm Risk Management – Continued

4. **COST ESTIMATE:** General Re-evaluation Report

\$ 1,500,000	(Federal)
<u>\$ 1,500,000</u>	(non-Federal)
\$ 3,000,000	Total

5. **FEDERAL FUNDING ALLOCATION THRU FY 2022:** \$0.

6. **FY 2023 FEDERAL FUNDING ALLOCATION:** \$500,000

7. **FY 2024 PRESIDENT'S BUDGET:** \$0. Funding the amount of \$600,000 could be used to continue the feasibility level General Re-evaluation Report.

8. **STATUS:** Initial funding received in FY2023 through community project funding. Funds will be used to begin the General Re-evaluation study once the Feasibility Cost Share Agreement has been executed and non-Federal Sponsor provides the matching cost share funds.

9. **OTHER INFORMATION:** Study sponsor, town of Oak Island, is highly motivated to begin this study. The population at risk for the project area is estimated at 10,000 including over 6,000 residences and businesses.