



**US Army Corps
of Engineers**
Wilmington District

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

- **Oak Island Potential New General Re-evaluation Report**
- **Study Area Impacted by Hurricane Matthew in 2016, Florence in 2018, and Isaias in 2020**
- **Study Cost: \$3,000,000**
- **Study not started; awaiting appropriations**



CONGRESSIONAL DISTRICT: NC 07

DATE: 01 APRIL 2022

1. **AUTHORIZATION:** Construction Authority: Sec. 203 of FCA 1966 (PL 89-789) as modified by WRDA 2986 (PL 99-662). Unconstructed.
2. **LOCATION AND DESCRIPTION:** 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 existing towns, Oak Island's main industry is tourism. Per the 2010 census, it had a permanent population of 6,783 which in 2019 was estimated to be 8,386.
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 to the impact of erosion, waves and coastal floodwaters on structures, infrastructure and life and safety.
4. **COST ESTIMATE:** General Re-evaluation Report

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

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

5. **FEDERAL FUNDING ALLOCATION THRU FY 2021:** \$0.
6. **FY 2022 PRESIDENT'S BUDGET:** \$0. Final Bill: \$0.
7. **FY 2023 PRESIDENT'S BUDGET:** \$0.
8. **STATUS:** Study start pending Federal appropriations to begin a General Re-evaluation Report.
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. Reformulating Brunswick County Beaches Authorized Project, specifically the Oak Island, NC portion. (unconstructed).