



US Army Corps  
of Engineers  
Wilmington District

## Brunswick County Beaches, NC Ocean Isle Beach Portion (Coastal Storm Risk Management)

- **Sponsor: Ocean Isle Beach**
- **Initial project constructed in 2001**
- **Project covers 3.2 miles of shoreline**
- **Estimated nourishment cycle is 3 years**
- **Last nourishment cycle completed in FY2022**
- **Next nourishment cycle scheduled for FY2025**



CONGRESSIONAL DISTRICT: NC 7

DATE: 10 MARCH 2023

1. **AUTHORIZATION:** Flood Control Act of 1966 (H. Doc 511/89/2). Constructed.
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.

### Ocean Isle Beach Portion

The first segment of this portion of the project consists of a dune with a base generally bordering at or near the building line with a crown width of 25 feet at an elevation of 8.5 feet North American Vertical Datum-1988 (NAVD-88) together with an integral shoreline berm with a crown width of 50 feet at elevation 6 feet NAVD-88 for a distance of 5,150 feet. The second segment is a berm-only having a crown width of 50 feet at elevation 6 feet NAVD-88 for 2,400 feet. The third segment is also a berm-only with a crown width of 25 feet at elevation 6 feet NAVD-88 for 2,400 feet. The transition on the eastern end is 4,200 feet and 2,800 feet on the western end. This portion of the project totals 17,150 feet in length. Federal participation in the periodic nourishment of coastal storm risk management for this portion of the project is currently authorized for a period not to exceed 50 years from the year of initial construction (FY 2001 to 2050).

3. **COST ESTIMATE:** All activities on the Ocean Isle Beach portion of this project are cost-shared at 65% Federal and 35% non-Federal. Normal operation and maintenance activities between nourishment cycles are the responsibility of the town of Ocean Isle Beach.

PROJECT INFORMATION – Brunswick County Beaches, Ocean Isle Beach Portion (Coastal Storm Risk Management) – Continued

**Ocean Isle Beach Portion only:**

**Total Estimated Project Cost:**

\$65,473,000	Federal (65%)
<u>\$35,254,000</u>	Non-Federal (35%)
\$100,727,000	Total

4. **TOTAL FEDERAL FUNDING ALLOCATION THRU FY 2022:** \$34,202,000.
5. **FY 2023 FEDERAL FUNDING ALLOCATION:** \$0. Carry-in funds will be used for to perform minimal oversight and coordination activities with the town of Ocean Isle Beach.
6. **FY 2024 PRESIDENT'S BUDGET:** \$0. Carry-in funds will be used to perform minimal oversight and coordination activities with the town of Ocean Isle Beach.
7. **KEY DATES:** For the Ocean Isle Beach portion, nourishment was completed in FY 2022 with the next nourishment cycle scheduled for FY 2025.
8. **OTHER INFORMATION:** The non-federal sponsor recently completed construction of the terminal groin at the eastern end of the island, which is adjacent to this federal Coastal Storm Risk Management project.