



US Army Corps  
of Engineers  
Wilmington District

# Carolina Beach & Vicinity, NC (Coastal Storm Risk Management)

## Carolina Beach Portion:

- **Sponsor: Carolina Beach**
- **Initial project constructed in 1965**
- **Project covers 2.7 miles of shoreline**
- **Nourishment scheduled every 3 years**
- **Project reauthorized in WRDA 2020 to continue periodic nourishment thru FY 2036**
- **New PPA executed with the Town of Carolina Beach, NC on 11/24/2021.**
- **Nourishment cycle currently in progress with anticipated completion in FY2022**
- **Next nourishment cycle scheduled for FY 2025**



## Area South Portion:

- **Sponsor: Kure Beach**
- **Initial project constructed in 1998**
- **Project covers 3.4 miles of shoreline**
- **Nourishment scheduled every 3 years**
- **Nourishment cycle currently in progress with anticipated completion in FY2022**
- **Next nourishment cycle scheduled for FY 2025**



CONGRESSIONAL DISTRICT: NC 7

DATE: 01 APRIL 2022

1. **AUTHORIZATION:** Flood Control Act of 1962; Water Resources Reform and Development Act of 2014 (WRRDA-2014) Section 1037; Water Resources Development Act of 2016 (WRDA-2016); and Water Resources Development Act of 2020.

2. **LOCATION AND DESCRIPTION:** The project is in New Hanover County, about 15 miles southeast of Wilmington, NC, on the peninsula which separates the lower Cape Fear River from the Atlantic Ocean.

## Carolina Beach Portion

This portion of the project includes a dune with a base generally bordering at or near the building line with a crown width of 25 feet at an elevation of 12.5 feet national geodetic vertical datum of

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1988 (NGVD-88) together with an integral shoreline berm with a crown width of 50 feet at elevation 9.5 feet NGVD-88 and beach fill extending about 14,000 feet from the northern to the southern limits of Carolina Beach. Along the northern 2,050 feet, this portion of the project includes a rock revetment at elevation 9.5 feet NGVD-88 fronted by 130-foot-wide berm at elevation 5.5 feet NGVD-88. Federal participation in the periodic cost of nourishment was authorized for an additional 15-year period in WRDA 2020. The period begins when the first construction contract starts following WRDA 2020.

**Area South Portion**

The portion of the project includes a dune with a base generally bordering at or near the building line with a crown width of 25 feet at an elevation of 12.5 feet NGVD-88, together with integral construction of a shoreline berm with a crown width of 50 feet at elevation 8.0 feet NGVD-88 extending about 18,000 feet from the southern limits of Carolina Beach to the northern limits of Fort Fisher, and Federal participation in the cost of coastal storm risk management nourishment for a period not to exceed 50 years from the year of initial placement (FY 1998 to 2047).

3. **COST ESTIMATE:**

**Carolina Beach Portion:**

**Periodic Nourishment (15 Year Period authorized in WRDA 2020):**

\$25,125,000	(Federal – 50%)
<u>\$25,124,000</u>	(Non-Federal – 50%)
\$50,249,000	

**Area South Portion:**

**Initial Construction:**

\$9,603,000	(Federal – 65%)
\$5,171,000	(Non-Federal – 35%)
(\$4,770,000)	(Non-Federal Cash Contribution)
<u>(\$401,000)</u>	(Non-Federal Lands and Damages)
\$14,774,000	

**Periodic Nourishment:**

\$135,268,250	(Federal – 65%)
<u>\$728,367,50</u>	(Non-Federal – 35%)
\$208,105,000	

**Total Estimated Project Cost:**

\$144,871,350	Federal
<u>\$78,007,650</u>	Non-Federal
\$222,879,000	Total

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4. **FEDERAL FUNDING ALLOCATION THRU FY 2021:** \$68,736,000.
5. **FY 2022 PRESIDENT’S BUDGET:** \$0. Final Bill: Community Project Funding - \$2,000,000. In addition, a Congressional reprogramming action was approved on October 15, 2021, adding \$10,830,715 to the Carolina Beach & Vicinity CSRM Project. This funding along with carry-in funds was used to award a periodic nourishment contract for both the Carolina Beach and Area South portions of the project.
6. **FY 2023 PRESIDENT’S BUDGET:** \$0. Carry-in funds are being used to perform minimal oversight and coordination activities with both sponsors and stakeholder.
7. **KEY DATES:** A New Project Partnership Agreement (PPA) was executed per WRDA 2020 with the non-Federal sponsor (Town of Carolina Beach, NC) on 24 November 2021. The most recent nourishment contract was awarded on 18 January 2022 with anticipated construction completion on 30 April 2022.
8. **OTHER INFORMATION:** A local hotel occupancy tax has been collected since November 1983 for New Hanover County. Currently, thirty percent of these tax revenues are dedicated to meet the non-Federal sponsor’s share of periodic nourishment for projects located in New Hanover County. The state of North Carolina also financially contributes to the non-Federal cost share of these projects.