



US Army Corps
of Engineers
Wilmington District

Carolina Beach and Vicinity, NC (Coastal Storm Damage Reduction)

Carolina Beach Portion:

- **Sponsor:** Carolina Beach
- **Initial project constructed in 1965**
- **Project covers 2.7 miles of shoreline**
- **Nourishment scheduled every 3 years**
- **Authorization to renourish project expires in December 2017**
- **Last nourishment cycle is scheduled for award in August 2015**
- **Sponsor interested in 15-year project extension study**



Area South Portion:

- **Sponsor:** Kure Beach
- **Initial project constructed in 1998**
- **Project covers 3.4 miles of shoreline**
- **Nourishment scheduled every 3 years**
- **Last nourishment cycle completed in April 2013**
- **Next nourishment cycle is scheduled for award in August 2015**



CONGRESSIONAL DISTRICT: NC 7

DATE: 23 February 2015

1. **AUTHORIZATION:** Flood Control Act of 1962; Water Resources Reform and Development Act of 2014 (WRRDA-2014) Section 1037.
2. **LOCATION AND DESCRIPTION:** The project is located 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 13.5 feet national geodetic vertical datum (NGVD) together with an integral shoreline berm with a crown width of 50 feet at elevation

PROJECT INFORMATION - Carolina Beach and Vicinity, Carolina Beach and Area South Portions (Coastal Storm Damage Reduction) - Continued

10.5 NGVD and beach fill extending about 14,000 feet from the northern to the southern limits of Carolina Beach, and Federal participation in the periodic cost of coastal storm damage reduction nourishment for a period not to exceed 53 years from the year of initial placement (FY 1965 to 2017). Along the northern 2,050 feet, this portion of the project includes a rock revetment at elevation 10.5 NGVD fronted by 130-foot-wide berm at elevation 6.5 NGVD.

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 13.5 feet national geodetic vertical datum (NGVD), together with integral construction of a shoreline berm with a crown width of 50 feet at elevation 9.5 feet NGVD 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 damage reduction 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:

Initial Construction:

\$7,325,000	(Federal – 65%)
\$3,944,000	(Non-Federal – 35%)
(\$3,936,000)	(Non-Federal Cash Contribution)
<u>(\$8,000)</u>	(Non-Federal Lands and Damages)
\$11,269,000	

Periodic Nourishment:

\$27,905,000	(Federal – 65%)
<u>\$15,026,000</u>	(Non-Federal – 35%)
\$42,930,000	

Total Estimated Project Cost:

\$35,229,000	Federal
<u>\$18,970,000</u>	Non-Federal
\$54,199,000	Total

PROJECT INFORMATION - Carolina Beach and Vicinity, Carolina Beach and Area South Portions (Coastal Storm Damage Reduction) - Continued

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:

\$70,737,000	(Federal – 65%)
<u>\$38,089,000</u>	(Non-Federal – 35%)
\$108,826,000	

Total Estimated Project Cost:

\$80,340,000	Federal
<u>\$43,260,000</u>	Non-Federal
\$123,600,000	Total

4. **FEDERAL FUNDING ALLOCATION THRU FY 2014:** \$ 58,364,000
5. **FY 2015 FUNDING ALLOCATION:** \$0. Carry-in funds are being used to complete plans and specifications, and award a construction contract for both the Carolina Beach and Area South portions.
6. **FY 2016 BUDGET AMOUNT:** \$0.
7. **KEY DATES:** Federal authority to nourish the Carolina Beach portion expires in FY 2018 (December 2017). The next nourishment cycle for the Carolina Beach & Vicinity project (including the Area South portion) is scheduled for award in August 2015.
8. **OTHER INFORMATION:** A local hotel occupancy tax has been collected since November 1983 for New Hanover County. Seventy-five 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.

PROJECT INFORMATION - Carolina Beach and Vicinity, Carolina Beach and Area South
Portions (Coastal Storm Damage Reduction) - Continued

Carolina Beach Portion

Federal participation in coastal storm damage reduction nourishment for a period of 50 years from the initiation of construction was approved in FY 1994 through December 2014. Under Section 1037 of WRRDA-2014, Federal participation was extended an additional three years until December 2017. The town of Carolina Beach has requested to start the process to extend cyclic project nourishment past 2017. Section 1037 of WRRDA-2014 also provides for a 15 year extension of the project's authorization subject to a finding of a continued Federal interest. The Corps is developing implementation guidance to describe the process to determine continued Federal interest. To date, no Federal funds have been appropriated to start this study.