



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 FY 2014 (May 2014)**
- **Last nourishment cycle completed in April 2010**
- **Next nourishment cycle contract is underway in FY 2013.**



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 2010**
- **Next nourishment cycle contract is underway in FY 2013**



CONGRESSIONAL DISTRICT: NC 7

DATE: 8 April 2013

1. **AUTHORIZATION:** Flood Control Act of 1962
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 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

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

nourishment for a period not to exceed 50 years from the year of initial placement (FY 1965 to 2014). 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: \$28,305,000 (Federal)
(6,987,000) Initial Construction
(21,318,000) Future Nourishment

\$17,195,000 (Non-Federal Cash Contribution)
(4,227,000) Initial Construction
(12,960,000) Future Nourishment

\$ 8,000 Non-Federal Lands and Damages

\$45,500,000 Total

Area South Portion: \$ 85,475,000 (Federal)
(9,860,000) Initial Construction
(75,615,000) Future Nourishment

\$ 46,025,000 (Non-Federal Cash Contribution)
(4,908,000) Initial Construction
(40,716,000) Future Nourishment

\$ 401,000 Non-Federal Lands and Damages

\$131,500,000 Total

4. **FEDERAL FUNDING ALLOCATION THRU FY 2012:** \$ 44,691,000

5. **FY 2013 BUDGET AMOUNT:** \$0. Carry-in and reprogrammed funds have been used to develop the plans and specifications for the FY 2013 periodic nourishment, and award a contract

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

to perform the FY 2013 nourishment for the Carolina Beach and Area South portions.

6. **FY 2014 BUDGET AMOUNT:** \$0. Funds in the amount of \$4,000,000 could be used to increase the FY 2013 periodic nourishment from 66% to 100% of the design template for the Carolina Beach portion, as this is the last year of Federal funding participation.

7. **KEY DATES:** The periodic coastal storm damage reduction nourishment contract has been awarded and will complete in April 2013. Federal authority to nourish the Carolina Beach portion expires in FY 2014 (May 2014). The next nourishment cycle for the Area South portion is FY 2016, subject to the availability of funds.

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.

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. Future nourishment is thereby extended until FY 2014. The town of Carolina Beach has requested assistance in getting started on the process to amend the project authorization to extend cyclic project nourishment after FY 2014. A new start reconnaissance study would be needed to begin the study process to determine if an extension for periodic nourishment is justified for this portion of the project.