



US Army Corps  
of Engineers  
Wilmington District

## Masonboro Inlet, NC (Shallow Draft Navigation) (O&M)

Repairs to the oceanside portion of the south jetty are underway as impacted by Hurricane Irene using supplemental disaster funding



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CONGRESSIONAL DISTRICT: NC 7

DATE: 6 March 2014

1. **AUTHORIZATION:** River and Harbor Act of 1912, as amended; Section 111, River and Harbor Act of 1968.
2. **LOCATION AND DESCRIPTION:** The project is located on the southeastern coast of North Carolina in New Hanover County. The authorized project dimensions for the project consists of a 14-foot deep by 400-foot wide channel across the ocean bar at Masonboro Inlet, with jetties at the entrance, transitioning to 12 feet deep and 90 feet wide to the channel of the Atlantic Intracoastal Waterway (AIWW) at Wrightsville Beach via Banks and Motte Channels; and a turning basin, 15 feet deep, 300 feet wide, and 700 feet long, on the east side of Banks Channel near Masonboro Inlet, with three 15-pile dolphins.
3. **FY 2013 FEDERAL FUNDING ALLOCATION:** \$610,228 (all Disaster Relief funding).
4. **FY 2014 FEDERAL FUNDING ALLOCATION:** \$149,000. These funds are being used to perform hydrographic surveys for this critical harbor of refuge. A previously awarded construction contract to repair the oceanside of the south jetty is scheduled to be completed by April 2014.

PROJECT INFORMATION – Masonboro Inlet, NC (Shallow Draft Navigation) (O&M) – Continued

5. **FY 2015 BUDGET AMOUNT:** \$50,000. Funds would be used for hydrographic surveys. Additional funds in the amount of \$6,400,000 could be used to bypass sand to Masonboro Island as a required navigation mitigation measure due to impacts of the Masonboro Inlet jetties on this island.

6. **ISSUE AND/OR STATUS:** Per the Masonboro Inlet Section 111 report (July 1980), the sand by-passing system is required to restore present sediment transport patterns to those existing prior to man-made changes at Masonboro Inlet. The sand by-passing system restores sand to both the Masonboro Island shoreline and the Wrightsville Beach shoreline. Per shoreline surveys, the sand placement to Wrightsville Beach and Masonboro Island is cumulatively out of balance, with Masonboro Island needing more sand. See fact sheet titled “Wrightsville Beach, NC (Coastal Storm Damage Reduction)” for more information.