



**US Army Corps
of Engineers®**
New York District

Atlantic Coast of New York City East Rockaway Inlet to Rockaway Inlet & Jamaica Bay, NY Storm Damage Reduction Project

FACT SHEET

AUTHORIZATION: The project was originally authorized by the Flood Control Act of 1965 as a dual purpose Beach Erosion Control and Hurricane Protection Project and modified by the Water Resources Development Act of 1974 which provided for initial construction and periodic nourishment for a 10-year period. The initial beach replenishment was completed (5 contracts) in September 1977. Severe storms during 1977 and 1978 seriously eroded three areas of the beach (B25-39 St., B89-110 St., and B145-149 St., including the B149 St. timber groin). A Post Authorization Change on June 8, 1978, called for the construction of a terminal groin at the western end of the project. Emergency repairs were made in 1978 and 1979 to these affected areas. The specific hurricane protection features of the project were subsequently deauthorized. Periodic nourishment was provided in May 1980, August 1982, August 1984, August 1986 and September 1988. After the last of the originally authorized periodic nourishments in September 1988, several storms seriously eroded the shoreline. Section 934 of the Water Resources Development Act of 1986 authorized continued Federal participation in periodic beach fill nourishment. Under Section 934 authority, a reevaluation report, approved in May 1994 authorized three additional nourishment cycles occurring three years apart.

PROJECT DESCRIPTION: The project consists of nourishing a 100 foot berm width at an elevation of +10 feet NGVD, for a distance of 6.2 miles between Beach 149th Street and Beach 19th Street of Rockaway Beach.

STATUS: The New York State Department of Environmental Conservation (NYSDEC) supported the reevaluation report's recommendations and signed the Project Cooperation Agreement to cost-share the project in May 1995. The total cost of the additional nourishment cycles (inflated to the midpoint of construction) is estimated to be \$55,900,000 (65% Federal and 35% Non-Federal). The first nourishment cycle was estimated to cost \$24,100,000 (65% Federal and 35% Non-Federal). Approximately 1 million cubic yards of sand was placed onto the beach under a renourishment contract awarded in September 2000. The final re-nourishment contract was awarded on September 29, 2003 to Weeks Marine, Inc. Sand placement operations started in December 2003 and were completed on February 28, 2004.

A Design Agreement between the Corps and NYSDEC was executed on May 13, 2003 for a Reformulation Study that would consider long-term protection for the project area. The Public Notice announcing the start of the Reformulation Study was released in October 2003. However, the study was delayed due to a lack of Federal funds. Federal Funds were received in FY 2008 to resume the study. The Corps is recommending additional renourishment cycles as an interim measure until the Reformulation Study can be implemented.

PROJECT COST:

Estimated Federal Cost	\$64,000,000
Estimated Non-Federal Cost	\$46,000,000
Total	\$110,000,000

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Please visit project web page: <http://www.nan.usace.army.mil/business/prjlinks/coastal/eastrock/index.htm>