



# ATLANTIC COAST OF NEW YORK MONITORING PROGRAM, NY Coastal Monitoring Program

*As of: February 2012*

**US ARMY CORPS OF ENGINEERS**

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## **DESCRIPTION**

The intent of this effort is to define and monitor the coastal processes that affect the Atlantic Coast of New York. The authorized study area encompasses approximately 130 miles of the Atlantic Coast of New York, from Coney Island in the west to Montauk Point in the east. Historically, the various shorelines along the study area have been subject to long-term erosion and severe storm-induced beach erosion, resulting in extensive damages to commercial and residential property. The purpose of the Atlantic Coast of New York Monitoring Program is to obtain and assemble data on coastal processes and morphologic responses, over a 5-year monitoring program life, directed at addressing post-storm actions and long-term shoreline erosion control. This is intended to contribute to the ongoing storm damage investigations along the Atlantic Coast of New York, and to supply valuable coastal management information to state and local governments' land use decision makers.

Programmed work includes physical processes and morphologic response monitoring. Program design elements include beach profile surveys on a seasonal and post-storm basis, regular aerial photography, shoreline erosion analyses, collection of wave data, and development of predictive models. These components are being used to generate a comprehensive computer database and Geographical Information System (GIS) accessible to engineers, scientists, and managers for purposes of addressing post-storm actions and long-term shoreline erosion control. Non-federal interests include the New York State Department of State (NYSDOS), New York State Department of Environmental Conservation (NYSDEC), and the New York Sea Grant. The study is also utilizing information contributed by other Corps, State, and local programs to develop a comprehensive shore, inlet, and south shore bay monitoring program (Long Island Shores).

## **AUTHORIZATION**

Section 404 of the Water Resources Development Act of 1992 (WRDA 92), the Energy and Water Development Appropriation Bill of 1994, and the Water Resources Development Act of 1999 (WRDA 99)

## **STATUS**

The monitoring program began in Fiscal Year 1995. The New York District began to collect beach profile data and aerial photographs from the study area twice each year (Spring and Fall), but the study efforts, including completion of the GIS database, profile analysis, and final report, were suspended in 1998 because the original authority expired. The Water Resources Development Act of 1999 reauthorized the study, but no funds were available for resumption during FY 1999 and FY 2000. An additional \$1,000,000 was added by Congress for FY 2001 to continue monitoring, data analysis, and data distribution efforts. A Project Management Plan agreement was executed in June 2001 with the NYSDEC and NYSDOS, reflecting their commitment to the comprehensive monitoring system. No funds were provided from FY 2002 through FY 2009. Authorization to extend the cost and scope of the study was passed in WRDA 07.

## **STUDY COST**

Estimated Federal	\$ 7,000,000
Estimated Non-Federal	\$ <u>0</u>
Total	\$7,000,000

**CONTACT**

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**CONGRESSIONAL INFORMATION**

Representative – New York District: Tim Bishop - #1; Steve Israel - #2; Peter King - #3; Carolyn McCarthy - #4;  
Jerrold Nadler - #8; Bob Turner - #9