



North Shore of Long Island, New York, Bayville Storm Damage Protection and Beach Erosion Control Study

As of: February 2012

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

DESCRIPTION

The study area is located on the North Shore of Long Island, New York, extending west from Orient Point on the north fork of Long Island in Suffolk County to the East River in Queens County in New York City. The irregular shoreline forms the southern limit of Long Island Sound and is characterized by landforms ranging from high bluffs to numerous inlets, bays and harbors. Recent coastal storms have accelerated shoreline erosion and inundated highly developed areas. Several communities, especially the Village of Bayville in Nassau County, have incurred major losses due to coastal erosion and flooding. After the onset of the December 1992 northeaster, Bayville had hundreds of residences and businesses flooded by high tides with water up to five feet over main floors for up to a week.

AUTHORIZATION: The North Shore of Long Island, New York Bayville Study was authorized by a Resolution by the Committee on Public Works and Transportation, U.S. House of Representatives, adopted 13 May 1993. The New York State Department of Environmental Conservation [NYSDEC] is the Non-Federal Sponsor.

STATUS: A Reconnaissance Report was completed in September 1995. The Village of Bayville, with a population of approximately 7,500 middle-income permanent residents [based upon 1990 U.S. Census figures], being situated between two bodies of water [Oyster Bay and Long Island Sound], is a low-lying community subject to severe inland inundation. After inundation has occurred, the waters leave the community stranded for extended periods of time. Additionally, a number of small, single-family residences were severely damaged by wave attack and wave runup, destroying the existing seawalls, which were thought to be adequate to prevent such damages. A Feasibility Cost-Sharing Agreement [FCSA] with NYSDEC was signed on March 21, 2001. The 2001 FCSA study costs were estimated at \$2,650,000 at a 50-50 cost share [Federal 50% and Non-Federal 50%]. Data collection activities including surveying and mapping, and the development of baseline information on coastal processes and related environmental resources were completed.

In Fiscal Year 2012, the New York District is evaluating the economic benefits of structural and non-structural risk reduction plans, while coordinating with NYSDEC and the Village of Bayville to determine whether such plans are locally acceptable.

STUDY COST:

	Federal	Non-Federal [NYSDEC]
Feasibility Phase	\$1,325,000	\$1,325,000

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CONGRESSIONAL DISTRICTS: Congressional Districts: NY-03