

Coastal Resilience, Long Island, USA

**Coastal Resilience Project:**

The purpose of the Coastal Resilience project is to provide communities with easy access to information to assist in coastal planning, zoning, acquisition, and other management decisions regarding resources at risk from sea level rise and coastal hazards. One of the principal products of the project is a spatially explicit tool that provides forecasts of inundation on the south shore of Long Island under different sea level rise scenarios. The aim of this web mapping tool is to provide communities with easy access to information for their planning, zoning, acquisition and permitting decisions.

Category: Socioeconomic

**General Description:**

This dataset illustrates shoreline hardening in Great South Bay.

**Source:**

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**Caveats and limitations:**

See *metadata* for more information.

**Process:**

A shoreline analysis was conducted using ESRI's ArcMap Geographic Information Systems software. Ortho-rectified aerial photos conducted by Suffolk County in the spring of 2004 were used to identify shoreline structures. A new tool, Pictometry, which uses oblique images taken in 2006 as well as direct overhead aerial photos (also from 2006), was used to further validate a structures presence as well as what it's intended function was.

The Nature Conservancy

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