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: Ecological

General Description:
This dataset illustrates potential piping plover (*Charadrius melodus*) breeding habitat for the barrier islands of Suffolk County, NY.

Source:
This dataset was created by Jennifer Seavey (Department of Natural Resources Conservation, University of Massachusetts) during the 2005 breeding season with global positioning system units.

Caveats and limitations:

Due to the dynamic nature of the barrier islands system, this dataset should be viewed as a general reference for potential piping plover breeding habitat and not an exact current delineation of habitat.

Process:

Using global positioning system (GPS) units, the inland habitat boundary was delineated based on the presence of dense vegetation, steeply eroded banks, or man-made structures. The ocean-side habitat edge, identified by the high water line, was considered a one-day breeding season benchmark by which to measure relative habitat width in a dynamic system.

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