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 the various marsh types found within the Long Island South Shore study area. Marshes are classified by type as identified by the NY DEC in the 1974 wetland inventory dataset.

Source:
1974 wetland inventory dataset with 1995 update for Shinnecock Bay area: NY DEC

Caveats and limitations:
This dataset is intended to be used to illustrate existing tidal marsh distribution throughout Suffolk County, Long Island. This dataset is dated (1974 with minimal updates in 1995), but remains the primary spatial dataset upon which regulatory decisions are made within Suffolk County. Due to the historical nature of this dataset, this dataset likely contains inaccuracies as the spatial distribution of marshes in Suffolk County has undoubtedly changed over the past 30 years. The Coastal Resilience web application will serve updated tidal marsh data as it becomes available.

Process:

- Categorized by attribute "TWCAT" showing the following marsh types:
    a. Formerly connected marsh
    b. Freshwater marsh
    c. High marsh
    d. Low marsh

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