

The Ecology of New York City

c. 1782

Wetlands & Flooding



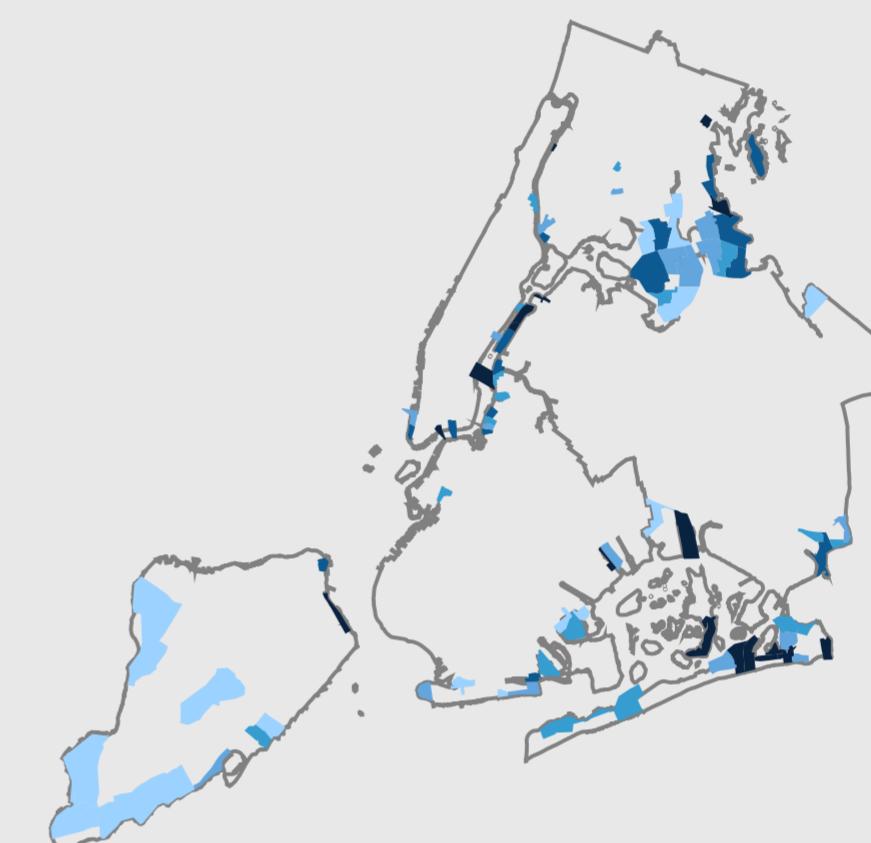
2025

Sandy Inundation Zone

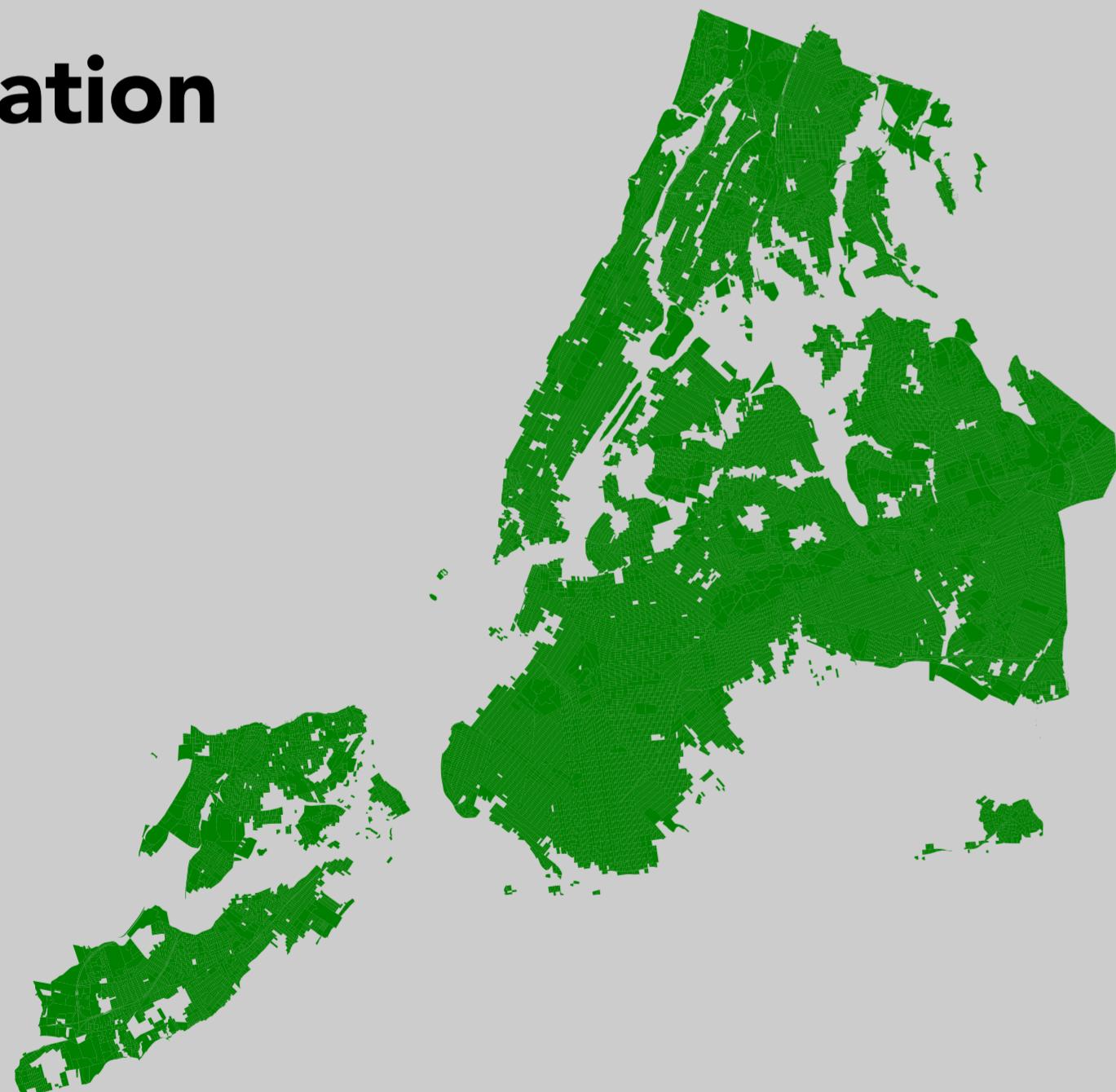
Stormwater Flooding



Flood Vulnerability



Vegetation



Here is the original ecology of the city: both the historical wetlands and vegetation. The data comes from the Welikia Project, a project maintained by the Urban Conservation Team at the New York Botanical Garden. This effort aims to reconstruct the original ecology of New York City c. 1782.

In contrast, we can examine the city's present vulnerability to flooding and measure the distribution of vegetation, estimated from LiDAR imagery. All datasets come from NYC Open Data (Department of Small Business Services; Department of Environmental Protection; Mayor's Office of Climate and Environmental Justice; Office of Technology and Innovation).