

POTENTIAL COASTAL FLOODING & CLIMATE CHANGE ADAPTATION STRATEGIES

July 2014

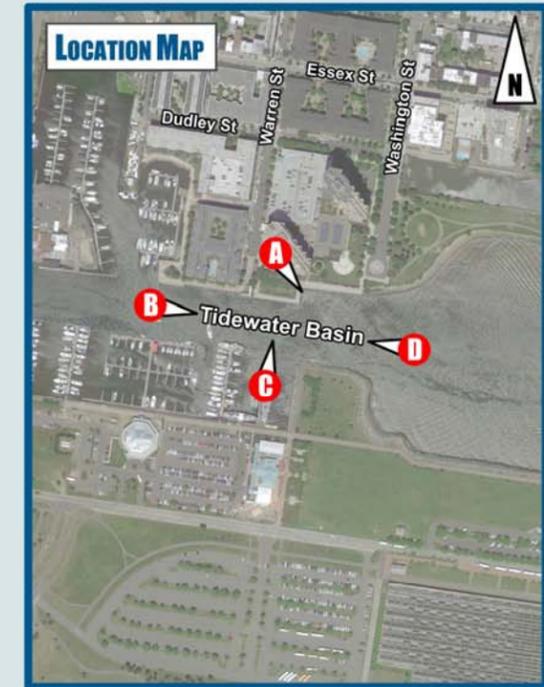
These visualizations have been created to help the City of Jersey City collect feedback on potential adaptation measures to mitigate coastal flooding. Measures have been conceptualized to a crest elevation of 14 ft. NAVD88, which represents the flood elevation during Superstorm Sandy plus an upper (90th percentile) sea level rise projection at the year 2050.

Scenario #3 depicts three adaptation measures: a floodgate at the Tidewater Basin, a boardwalk levee along the Hudson River Waterfront Walkway (HRWW), and a street levee along Washington Street. The boardwalk levee and street levee would necessitate the raising of the HRWW and Washington Street, respectively, 3 feet above current grade.

Visualizations funded by a Local Government Capacity Grant (LGCC) from Together North Jersey.

All elevations and measurements are approximate.

SCENARIO #3: TIDEWATER BASIN



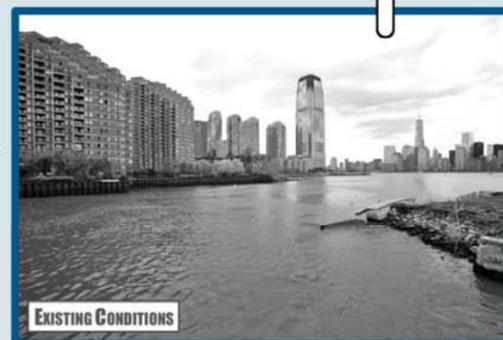
A Aerial View of Tidewater Basin from Portside Looking South



EXISTING CONDITIONS



B Tidewater Basin Looking East, with Floodgate Open



EXISTING CONDITIONS



C Tidewater Basin Looking North



EXISTING CONDITIONS



D View of Tidewater Basin from Hudson River



EXISTING CONDITIONS