



**US Army Corps
of Engineers.**
New York District



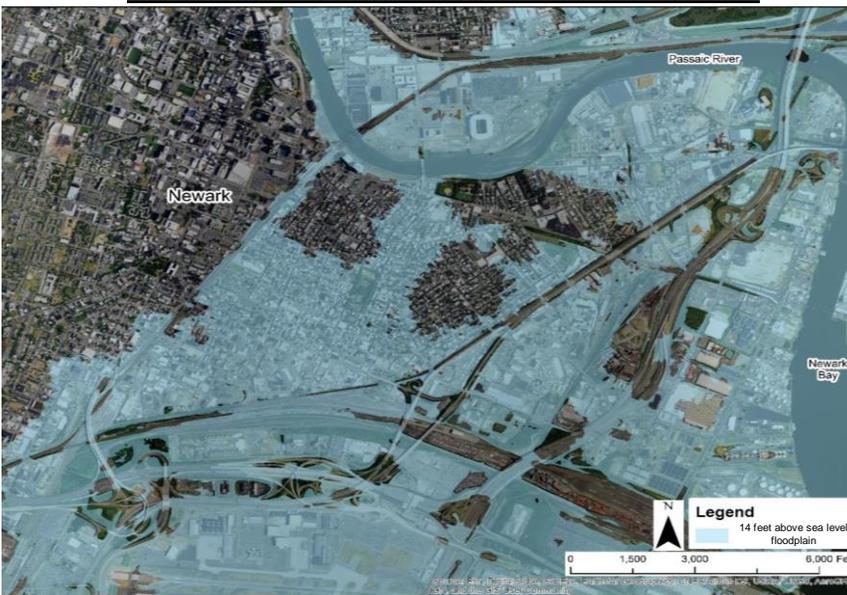
Draft Integrated Hurricane Sandy General Reevaluation Report & Environmental Assessment

Passaic River Tidal Protection Area, New Jersey
Coastal Storm Risk Management Feasibility Study

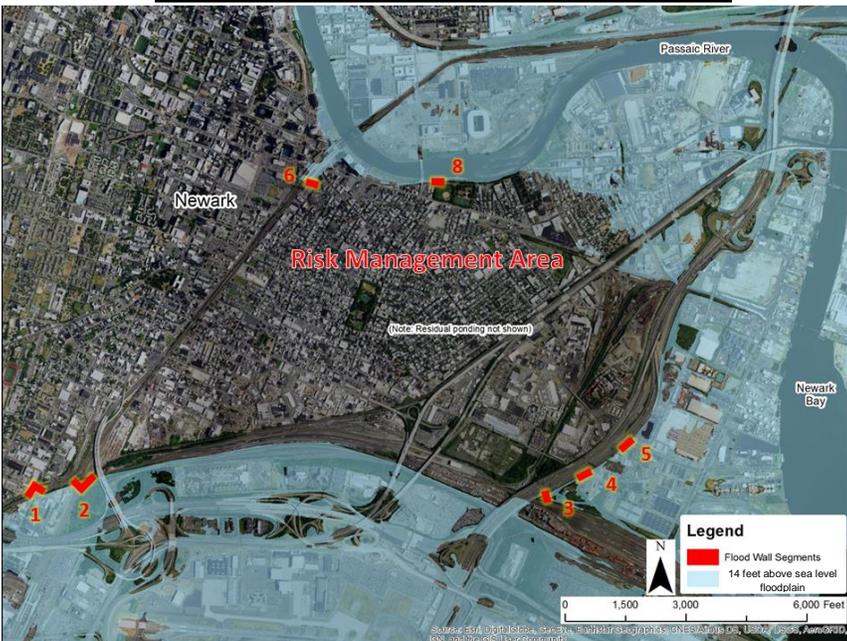
What is this study?

In accordance with the Disaster Relief Appropriation Action of 2013 (Public Law 113-2) that was enacted by Congress in response to Hurricane Sandy in October 2012, the U.S. Army Corps of Engineers, New York District (USACE), is conducting a study in partnership with the New Jersey Department of Environmental Protection (NJDEP) to reevaluate potential coastal storm risk management measures for the tidally-influenced and surge-prone areas in the lower Passaic and Hackensack Rivers, and Newark Bay, New Jersey.

NEWARK SURGE FLOODING WITHOUT PROJECT



NEWARK SURGE FLOODING WITH PROJECT



PROPOSED PLAN

Based on the suggestions of the community and NJDEP, USACE reexamined the Newark Coastal Storm Risk Management Plan (also called the Newark Flanking Plan).

The estimated project cost is \$45,666,000* with a benefit-to-cost ratio of 4.7. The cost of project design and implementation is cost-shared 65% federal (\$29.7M) and 35% non-federal (\$16M). Operation and maintenance costs of the project will be 100% nonfederal responsibility (\$550k annually).

The proposed Newark Flanking Plan consists of seven (7) segments of floodwall:

- 2,730 linear feet of floodwall
- 5 road closure gates
- 5 railroad closure gates (9 tracks)
- 1 tide gate
- Interior drainage for the City of Newark

These floodwalls will help reduce damages from storms to an approximate water level of 14 feet above sea level. For comparison, Hurricane Sandy brought 11.8-foot water levels to the Newark area.

*Costs are approximate.

CONTACT INFORMATION

**Public Review ends on
16 November 2017**

**SEND COMMENTS TO
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**The final report is scheduled to
be released to the public in early
2019.**

DRAFT REPORT LOCATION

The full report, details, and technical
appendices can be found at:

<http://www.nan.usace.army.mil/Missions/Civil-Works/Projects-in-New-Jersey/Passaic-Tidal-Protection-Area/>



Element 1

- 290 feet long
- Max. height above ground: 4 feet
- Includes two roadway closures
- Wall segments tie into railroad embankments

Element 2

- 705 feet long
- Max. height above ground: 8.2 feet
- Includes five railroad closure gates
- Crosses nine sets of railroad tracks



Element 3

- 139 feet long
- Max. height above ground: 9.4 feet
- includes an outfall with backflow prevention

Element 4

- 180 feet long
- Max. height above ground: 4.8 feet
- includes a roadway closure gate

Element 5

- 226 feet long
- Max. Height above ground: 3.2 feet
- includes a roadway closure gate



Element 6

- 204 feet long
- Max. height above ground: 3.1 feet
- One roadway crossing

Element 8

- 297 feet long
- Max. height above ground: 3.4 feet
- Could be integrated into the Riverfront Park's natural slope