

NEW YORK AND NEW JERSEY HARBOR AND TRIBUTARTIES COASTAL STORM RISK MANAGEMENT STUDY

INTEGRATED FEASIBILITY REPORT & Tier 1 ENVIRONMENTAL IMPACT STATEMENT APPENDIX E: Map Series

Sub-Appendix D: Alternative 4 Map Series

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Introduction

There are five sets of map series graphics contained within this appendix. Each map series displays the various features associated with that specific alternative, the location of those features, and the specific measures that are a part of those features. The risk reduction areas associated with those features are also displayed.

The maps are organized by alternative and then broken down by the type of feature. Storm Surge Barriers (SSBs) and Shoreline Based Measures (SBMs) are grouped together in a set of maps, followed by a set of maps for Induced Flood-Mitigation Features (IFFs), and finally the Risk Reduction Features (RRFs) map sets. Each alternative includes these three types of features except for Alternative 5 which only includes SBMs.

Each feature and the area of reduced risk associated with it has its own map; however, it should be noted that the following specific maps represent more than one feature because they provide risk reduction to a shared area and/or are dependent on one another hydraulically:

- Alternative 2 SSB/SBM Map Series Outer Harbor Barrier and associated Shoreline Based Measure Throgs Neck Barrier and associated Shoreline Based Measure
- Alternative 3A SSB/SBM Map Series Arthur Kill Barrier and associated Shoreline Based Measure Verranzzano Narrows Barrier and associated Shoreline Based Measure Throgs Neck Barrier and associated Shoreline Based Measures
- Alternative 3B SSB/SBM Map Series Arthur Kill Barrier and associated Shoreline Based Measure Kill Van Kull Barrier and associated Shoreline Based Measure
- Alternative 2 and Alternative 3A IFF Map Series Eastchester Bay IFF Throgs Neck IFF
- Alternative 2, Alternative 3A, and Alternative 3B RRF Map Series Kearny Point RRF
 S. Kearny Point RRF























II IFF,Levee

SBM,Floodwall

SBM, Reinforced Dune

SBM,Storm Surge Barrier

II IFF, Deployable Flood Barrier

SBM,Levee

SBM,Seawall

Newark Huna

Elizab eth

New York

Long Branch

- IFF, Reinforced Dune
- Alt4 Reduced Risk Areas
 - SSB/SBM Reduced Risk Areas
 - IFF Reduced Risk Areas

Alt Fea	ternative 4 - IFFs	
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Legend Alt4 Features/Measures RRF,Berm RRF,Bulkhead RRF,Floodwall Alt4 Reduced Risk Areas SSB/SBM Reduced Risk Areas RRF Reduced Risk Areas













