

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 C: Alternative 3B Map Series

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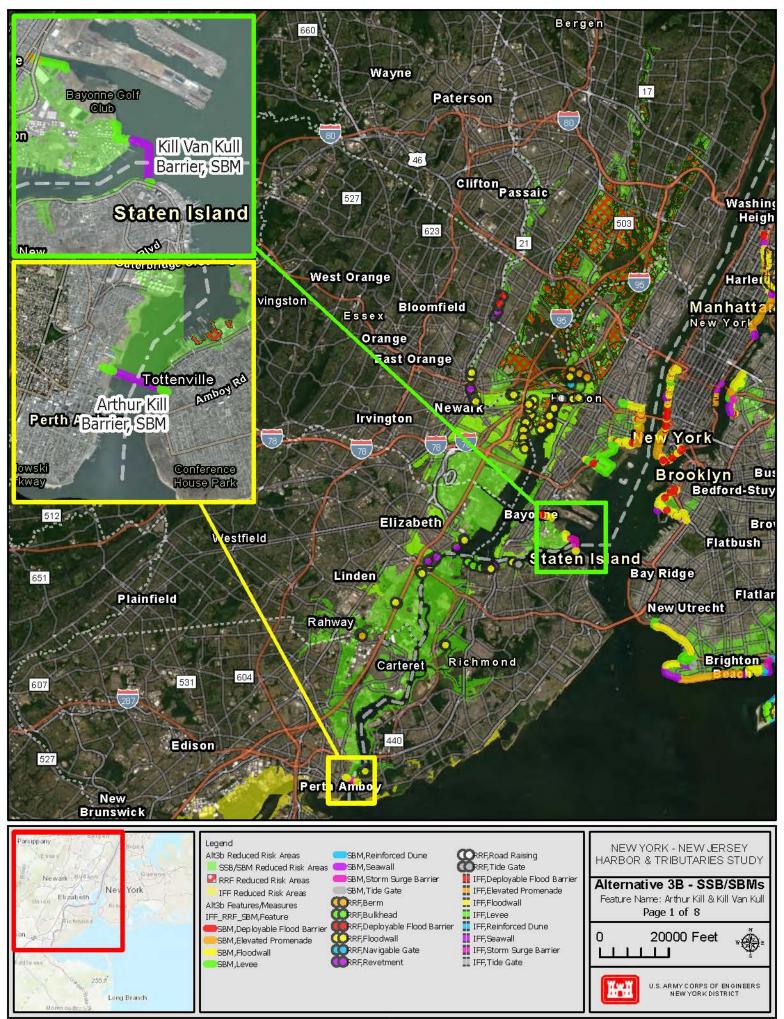
Introduction

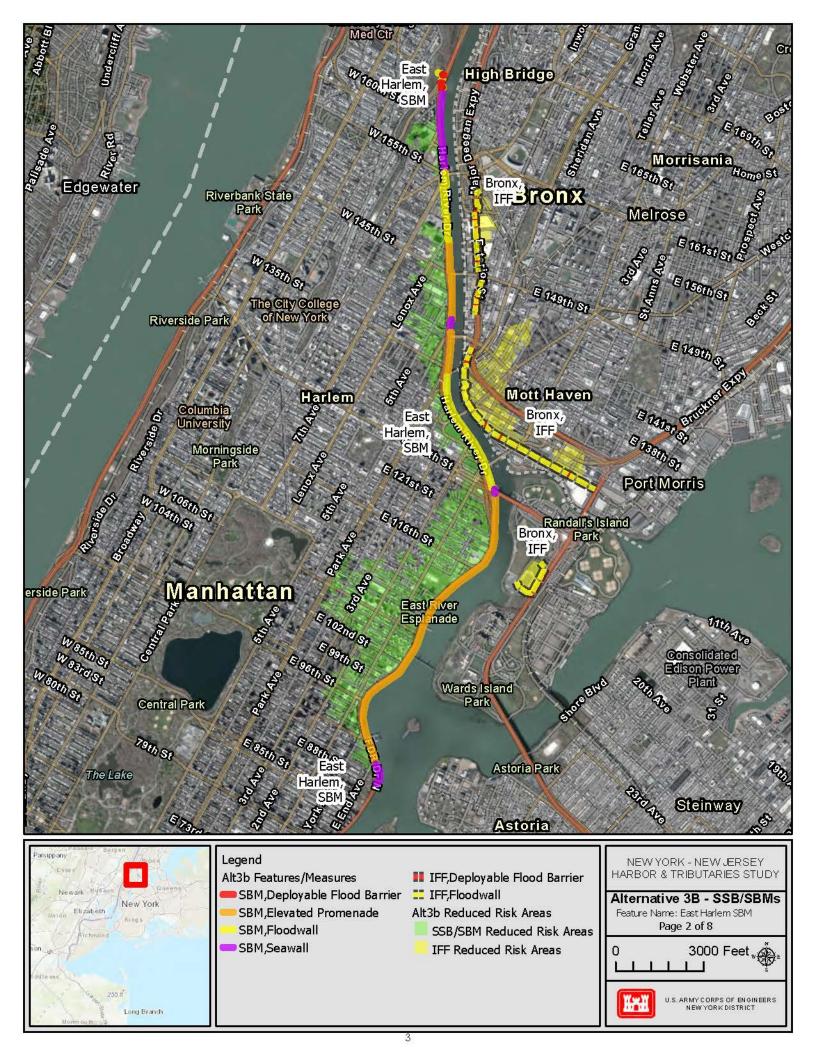
There are five sets of map series graphics contained within this appendix. Each map series displays the various features associated with that specific alternative, the location of those features, and the specific measures that are a part of those features. The risk reduction areas associated with those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

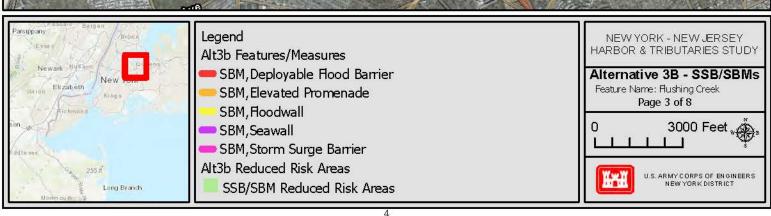
Each feature and the area of reduced risk associated with it has its own map; however, it should be noted that the following specific maps represent more than one feature because they provide risk reduction to a shared area and/or are dependent on one another hydraulically:

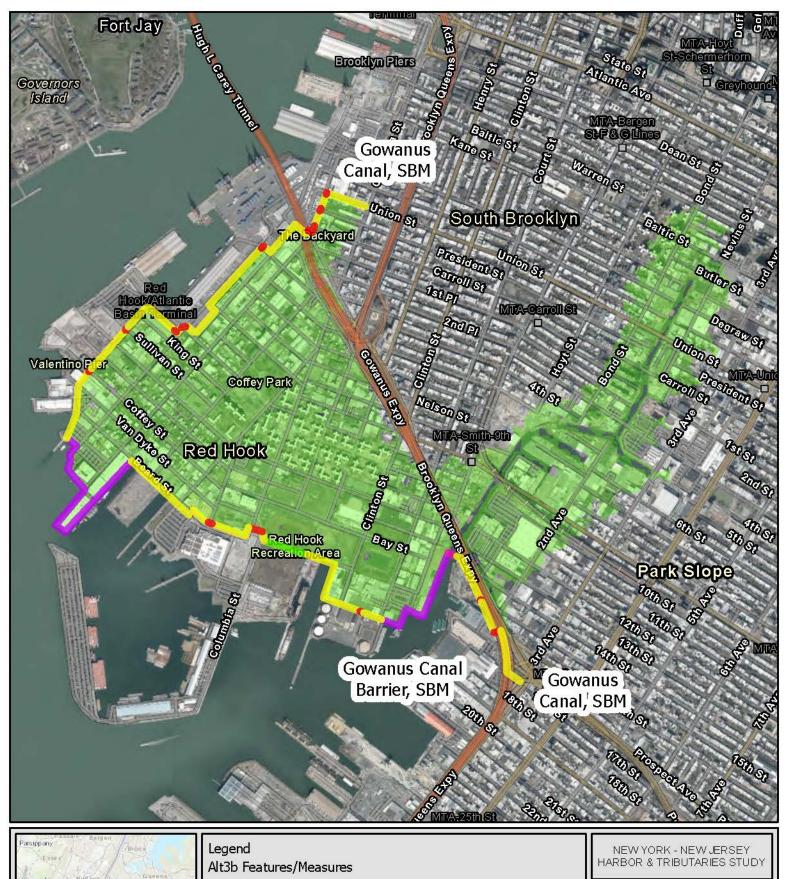
- Alternative 2 SSB/SBM Map Series
 Outer Harbor Barrier and associated Shoreline Based Measure
 Throgs Neck Barrier and associated Shoreline Based Measure
- Alternative 3A SSB/SBM Map Series
 Arthur Kill Barrier and associated Shoreline Based Measure
 Verranzzano Narrows Barrier and associated Shoreline 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

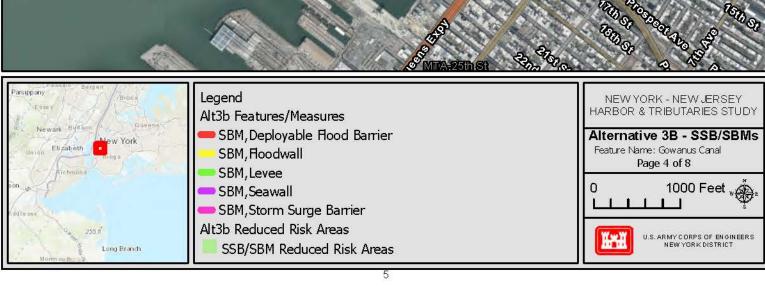


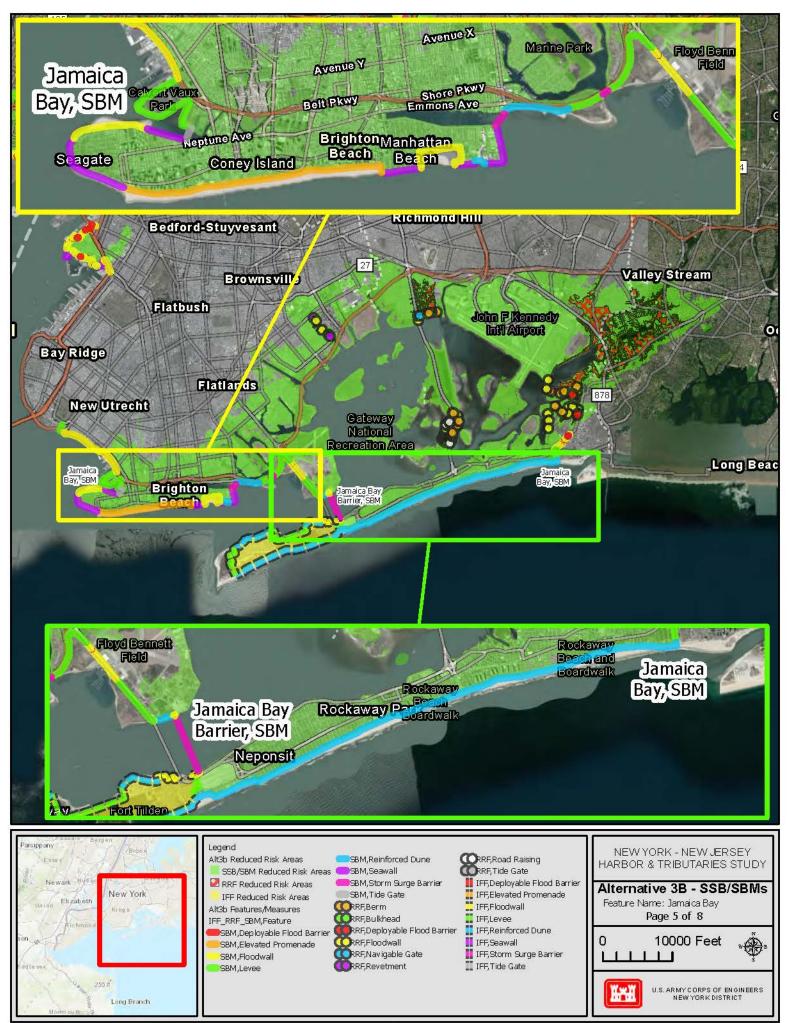


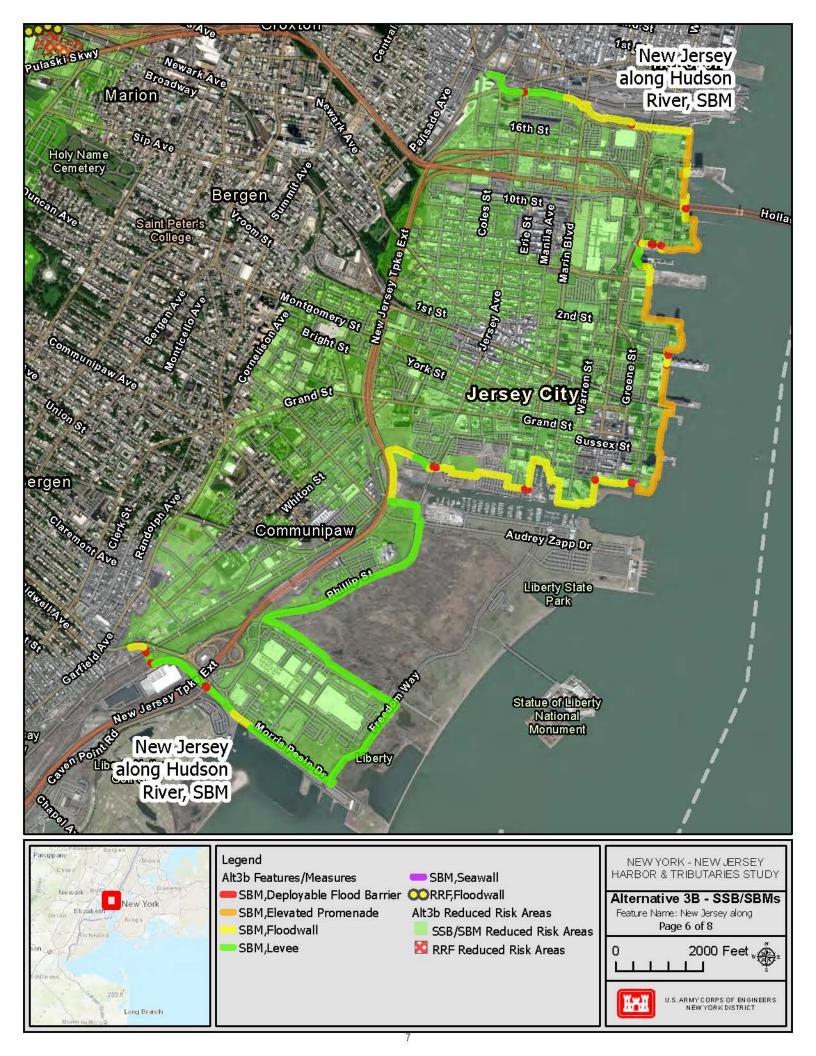


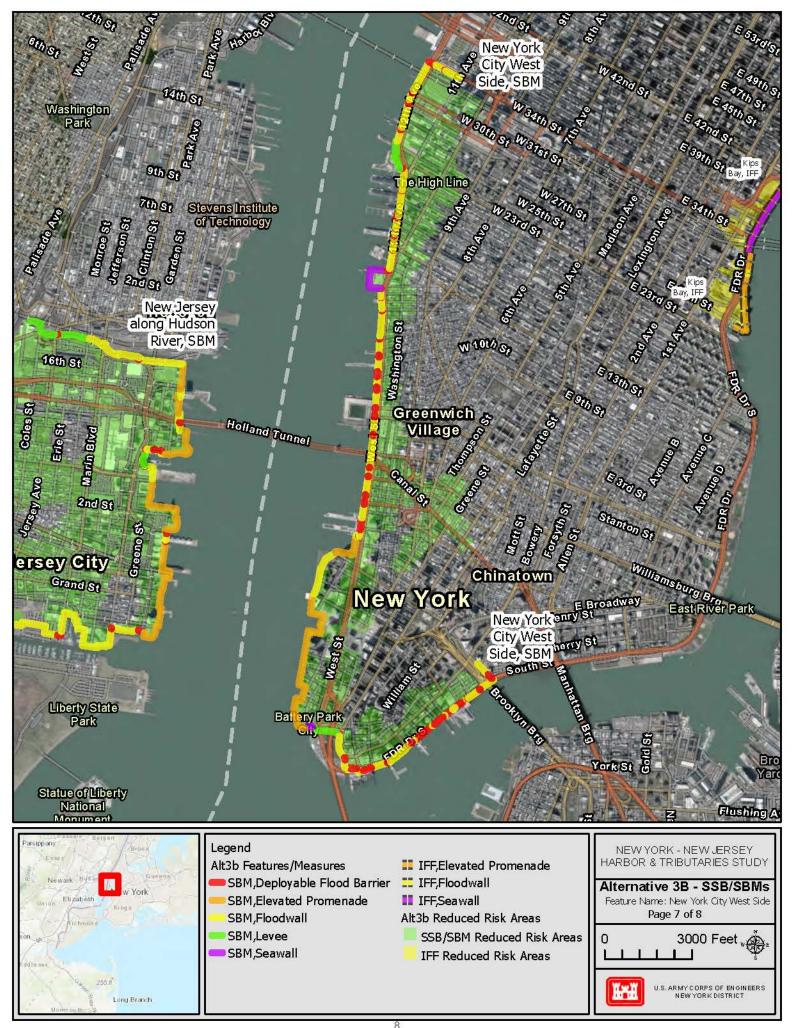


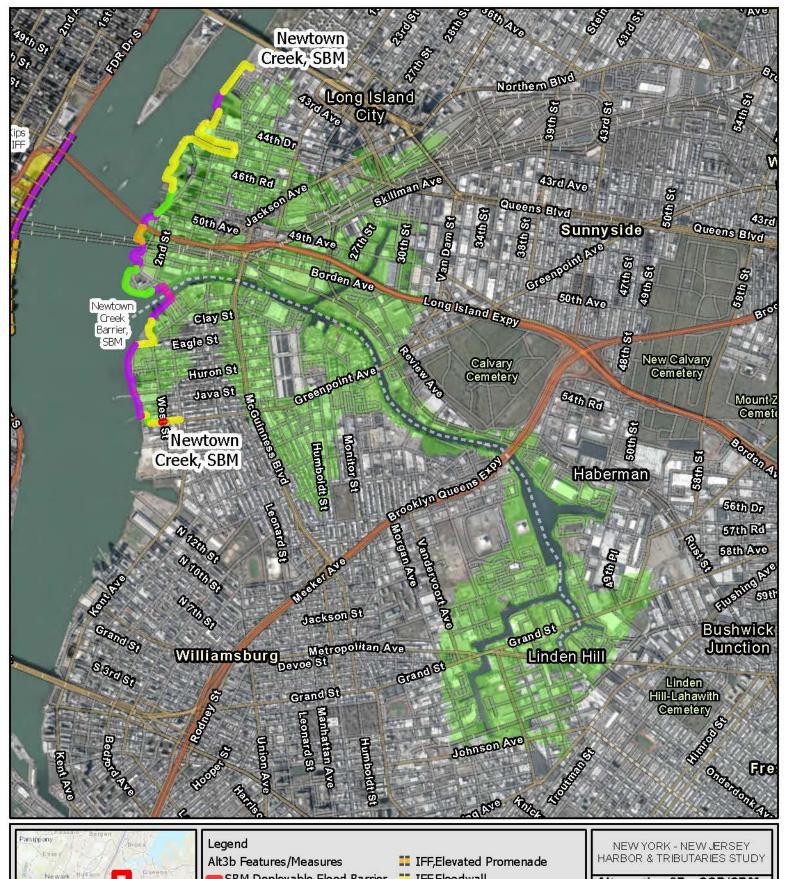














- SBM,Deployable Flood Barrier
- SBM, Elevated Promenade
- SBM,Floodwall
- SBM,Levee
- SBM,Seawall
- SBM,Storm Surge Barrier
- IFF,Floodwall
- III IFF,Seawall

Alt3b Reduced Risk Areas

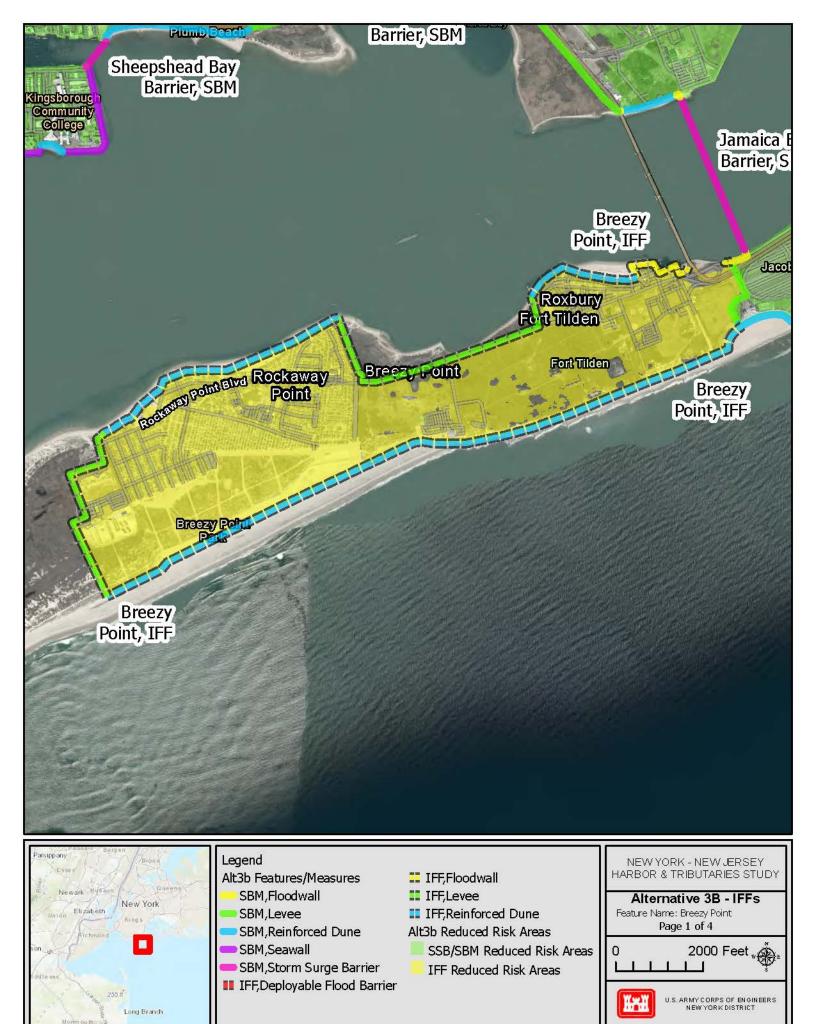
- SSB/SBM Reduced Risk Areas
 - IFF Reduced Risk Areas

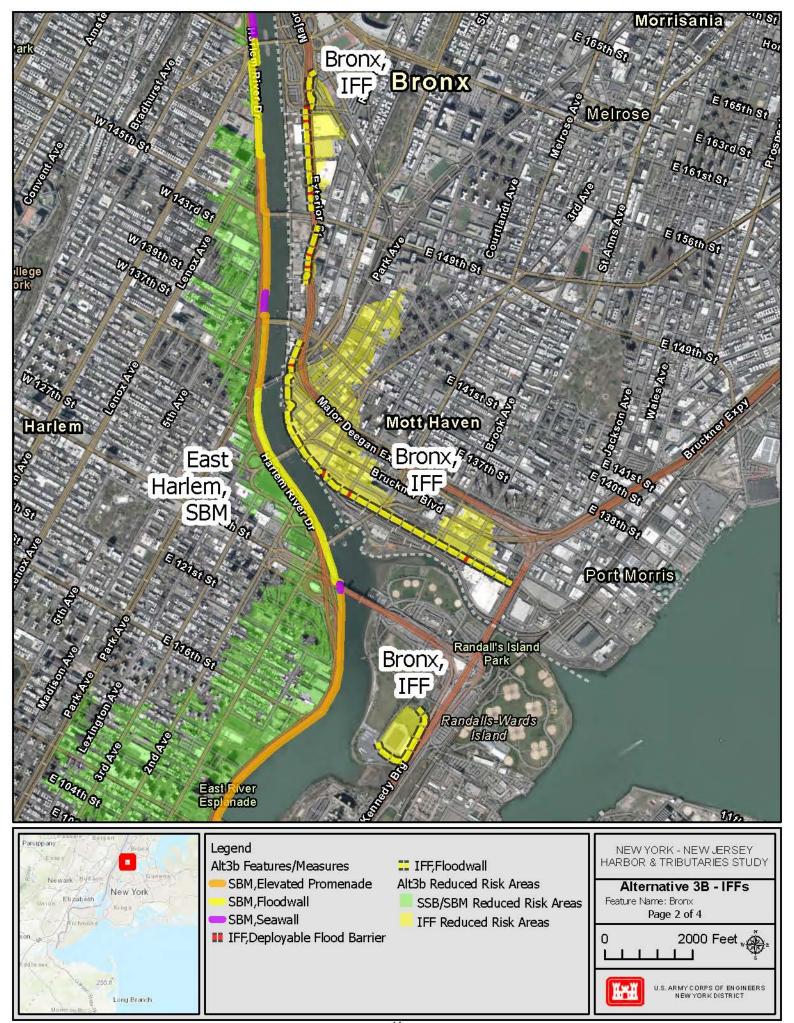
Alternative 3B - SSB/SBMs

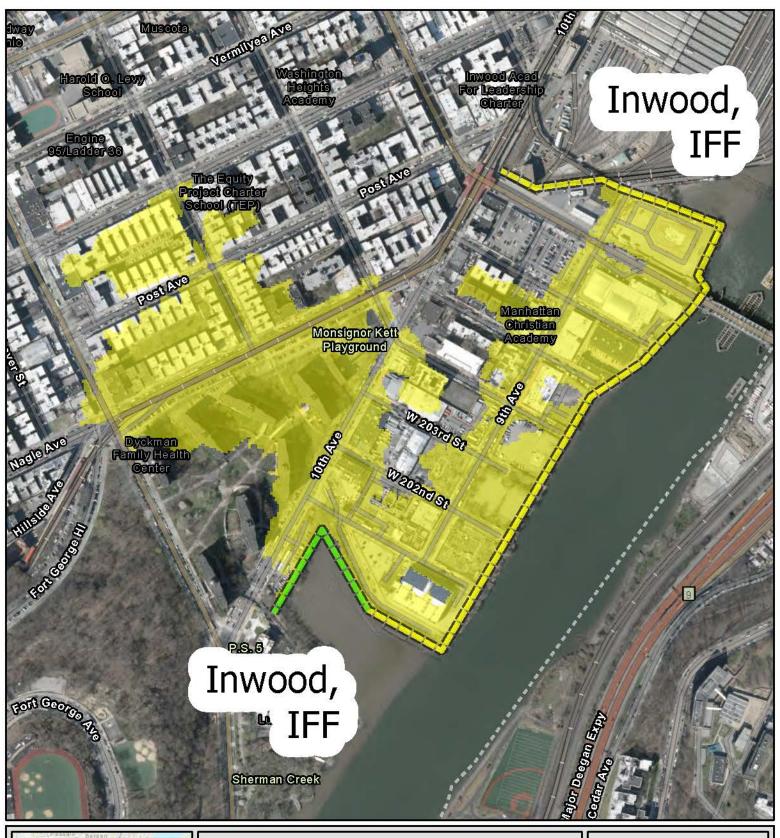
Feature Name: Newtown Creek Page 8 of 8

2000 Feet.











Alt3b Features/Measures

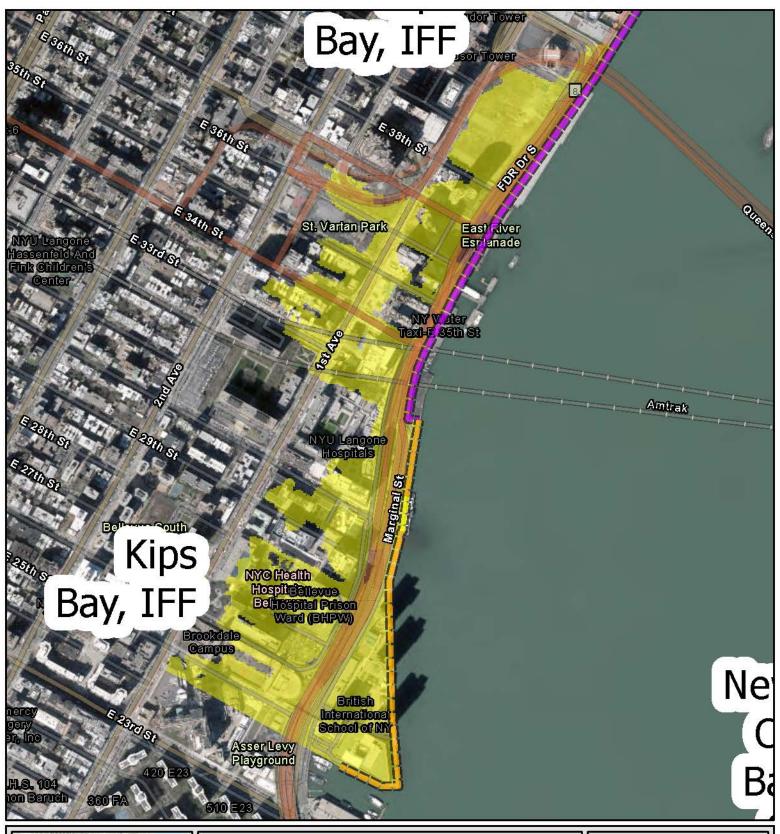
- == IFF,Floodwall
- **IFF,Levee**
 - IFF Reduced Risk Areas



Feature Name: Inwood Page 3 of 4

0 400 Feet

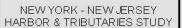






Alt3b Features/Measures

- IFF, Elevated Promenade
- == IFF,Floodwall
- IFF,Seawall
 - IFF Reduced Risk Areas



Alternative 3B - IFFs

Feature Name: Kips Bay Page 4 of 4

0 600 Feet







RRF,Floodwall

Alt3b Reduced Risk Areas

SSB/SBM Reduced Risk Areas

RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Arthur Kill Page 1 of 33

0 200 Feet







OO RRF,Berm

OO RRF,Bulkhead

OO RRF,Floodwall

Alt3b Reduced Risk Areas

SSB/SBM Reduced Risk Areas

🔀 RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Bayswater Park Page 2 of 33

200 Feet









Alt3b Features/Measures

- RRF,Floodwall
- OO RRF, Tide Gate

Alt3b Reduced Risk Areas

- SSB/SBM Reduced Risk Areas
- RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Bergen Pt SI Page 3 of 33

200 Feet







RRF,Revetment

Alt3b Reduced Risk Areas

SSB/SBM Reduced Risk Areas

RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Bridge Street Bridge Page 4 of 33

0 200 Feet









Legend
Alt3b Features/Measures
RRF,Berm
RRF,Bulkhead
RRF,Road Raising
Alt3b Reduced Risk Areas
SSB/SBM Reduced Risk Areas

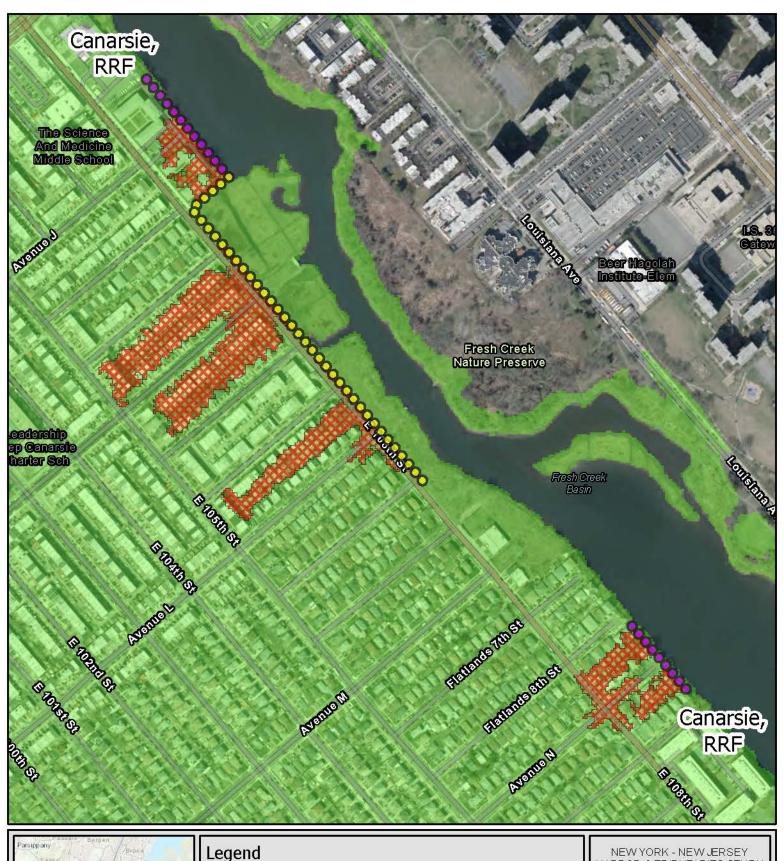
🔀 RRF Reduced Risk Areas

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Alternative 3B - RRFs

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Feature Name: Broad Channel





Alt3b Features/Measures

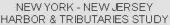
OO RRF,Floodwall

RRF,Revetment

Alt3b Reduced Risk Areas

SSB/SBM Reduced Risk Areas

🔀 RRF Reduced Risk Areas



Alternative 3B - RRFs

Feature Name: Canarsie Page 6 of 33

400 Feet 🕡







Alt3b Features/Measures

- RRF,Berm
- OORRF, Tide Gate

Alt3b Reduced Risk Areas

- SSB/SBM Reduced Risk Areas
- RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Caseys Creek Page 7 of 33

200 Feet 🚜









RRF,Floodwall

Alt3b Reduced Risk Areas

SSB/SBM Reduced Risk Areas

RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Clay Street Bridge Page 8 of 33

0 200 Feet



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Alt3b Features/Measures

- RRF,Floodwall
- RRF,Revetment

Alt3b Reduced Risk Areas

- SSB/SBM Reduced Risk Areas
- RRF Reduced Risk Areas

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Alternative 3B - RRFs

Feature Name: Dock Bridge Page 9 of 33

200 Feet **



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