

NEW YORK-NEW JERSEY HARBOR AND TRIBUTARIES COASTAL STORM RISK MANAGEMENT STUDY

Briefing to Newtown Creek Community
Advisory Group on Tentatively Selected
Plan

New York District
October 19, 2022



US Army Corps
of Engineers®



AGENDA

1. Study Background
2. Alternative Plans Evaluated
3. Tentative Plan Selection
4. Schedule / Next Steps



Residents of Little Ferry, NJ evacuated through Hurricane Sandy floodwaters (2012)



NON-FEDERAL PARTNERS



**Department of
Environmental
Conservation**

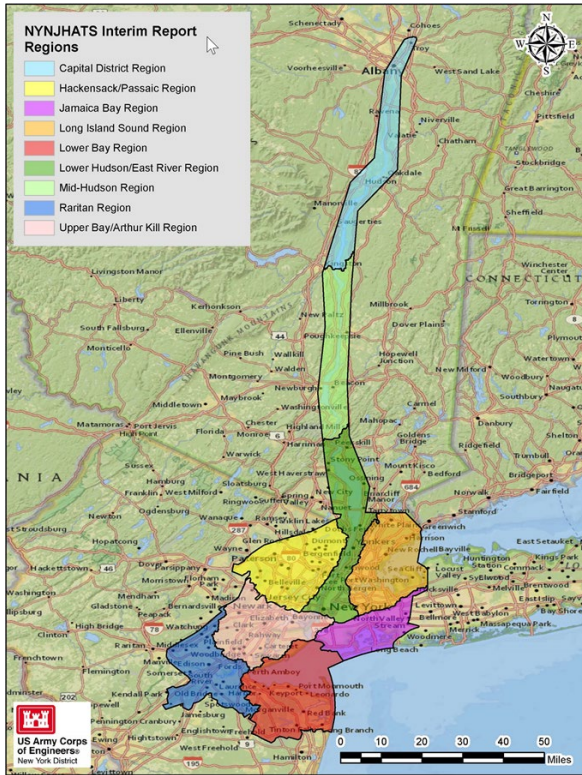


**Department
of State**

NYC Mayor's Office of Climate &
Environmental Justice



NEW YORK-NEW JERSEY HARBOR AND TRIBUTARIES COASTAL STORM RISK MANAGEMENT FEASIBILITY STUDY



STUDY AREA

- The largest and most densely populated of the 9 NACCS Focus Areas
- Area covers 2,150+ square miles and 900+ miles of affected shoreline
- 25 counties in New York & New Jersey
- Affected population of roughly 16 million people, including New York City and the six most populated cities in New Jersey

COASTAL STORM RISKS & DAMAGES

- Significant Life/Safety Risk and over 275,000 Structures in Potential Impact Area
- Incorporates Dozens of Other Ongoing and Planned CSRMs in Study Area
- Present Value Damages for 100-Year Storm Range from \$100+B for Intermediate Sea Level Rise to over \$350B for High Sea Level Rise Projection

STUDY SCOPE

- **Study Cost:** \$19.4M, cost-shared 50/50 with NYSDEC and NJDEP thru July 2022, and 100% federal thereafter.
- **Study Schedule:** Assistant Secretary of the Army for Civil Works Approved (7 Apr 21) Second Exemption for Study Extension to 2024 Completion
- **Funding:** Federal funding (\$1.45M) resumed in October 2021 following lapses in fiscal years 2020 and 2021. Study also received \$6,724,000 of DRSA funds.
- **Study Scope:** WRDA 2020 includes study specific language

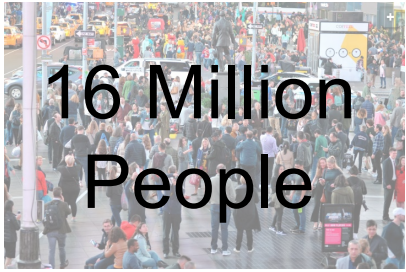
ALTERNATIVES

- Alternatives span spectrum from large in-water storm surge gates to numerous shoreline-based structures. Alternatives also have (or will have) complementary non-structural and natural and nature-based features (where feasible).
- Best Solution Appears to Involve Multiple, Layered Features
- Possible Phased Implementation: 1) Short-term: Construct Actionable Features, 2) Mid-Term: Further Evaluate, Design and possibly Construct Complex Features, 3) Long-Term: Adapt and expand features due to further sea level rise and climate change
- **Draft Feasibility Report and integrated Tier 1 Environmental Impact Statement Released for extended public day review with meetings planned throughout area (comment closing date January 6, 2023). See WWW.NAN.USACE.ARMY.MIL/NYNJHATS for dates, times and locations of public in-person meetings. (virtual meetings starting October 24th, 27th and November 5th)**





EXISTING CONDITIONS



16 Million
People



Maritime
Trade



Wall
Street



Energy



Public
Transportation



Parks



Endangered
Species



Aviation



Hospitals



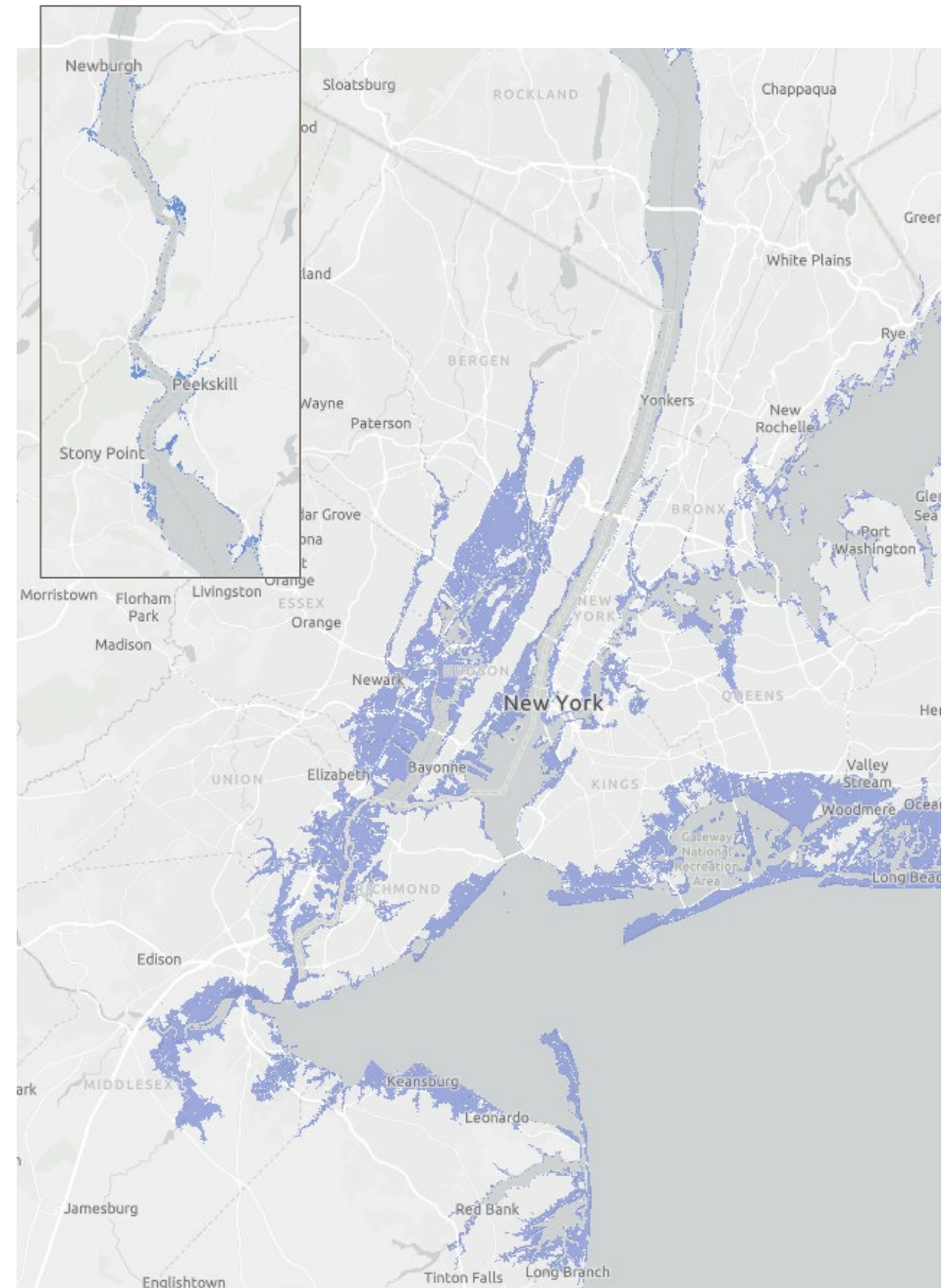
Recreation



Education



Historic
Properties

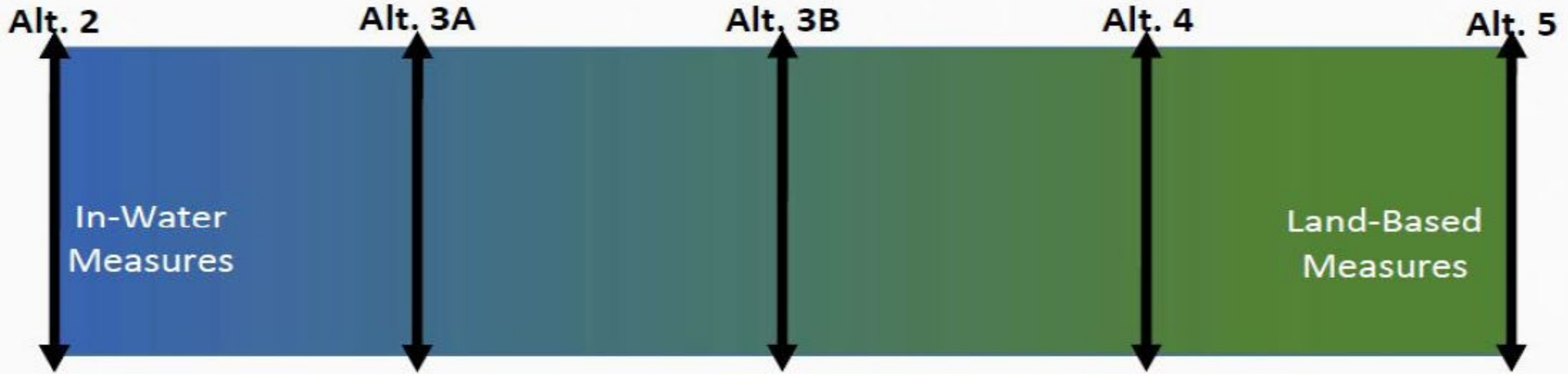
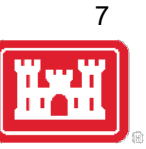


1% flood extent (with intermediate RSLC)





ALTERNATIVE PLANS – PROS & CONS WITH EACH



Alternative 1: No action

Alternative 2: Harbor-wide storm surge barrier + shore-based measures

Alternative 3A: Multi-basin storm surge barriers + shore-based measures

Alternative 3B: Multi-basin storm surge barriers + shore-based measures

Alternative 4: Single-basin storm surge barriers + shore-based measures

Alternative 5: Shore-based measures only

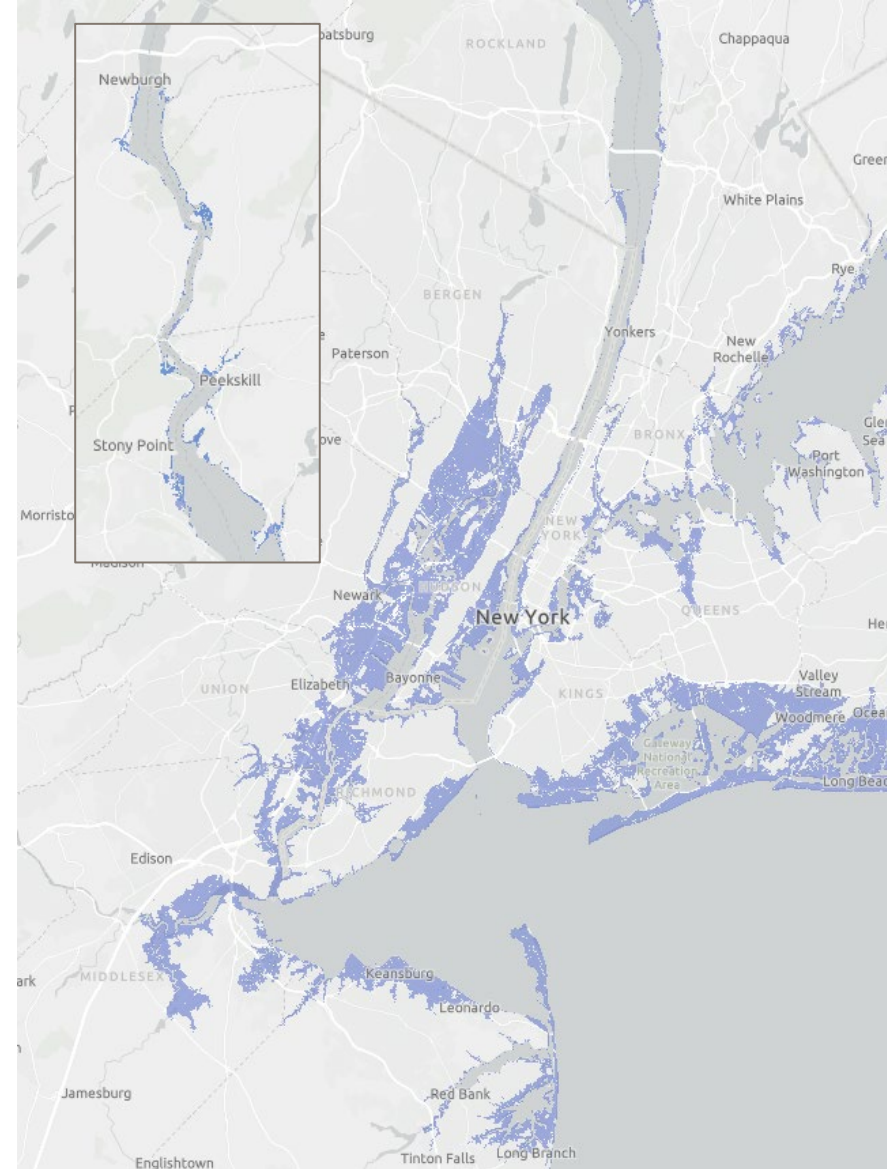


FUTURE WITHOUT-PROJECT (FWOP) CONDITION



Assumptions

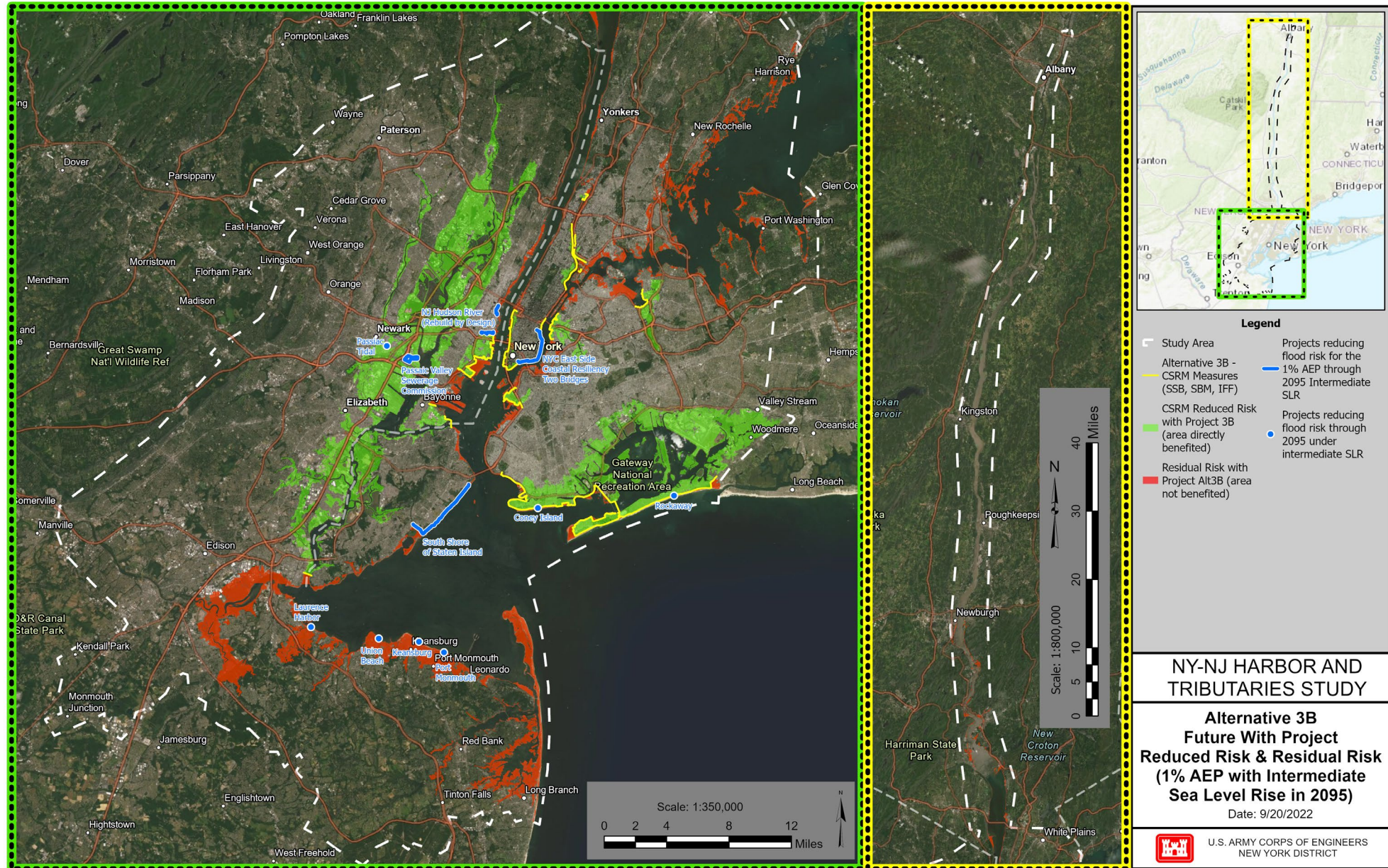
- Investments in coastal storm risk management / resiliency projects will continue
 - Federal, state, local government investment (tracked by FEMA SRIRC database)
 - Private investment
- Relative sea level rise over time
 - Using USACE intermediate projection for plan formulation BUT will consider other projections



1% flood extent (with intermediate RSLC)

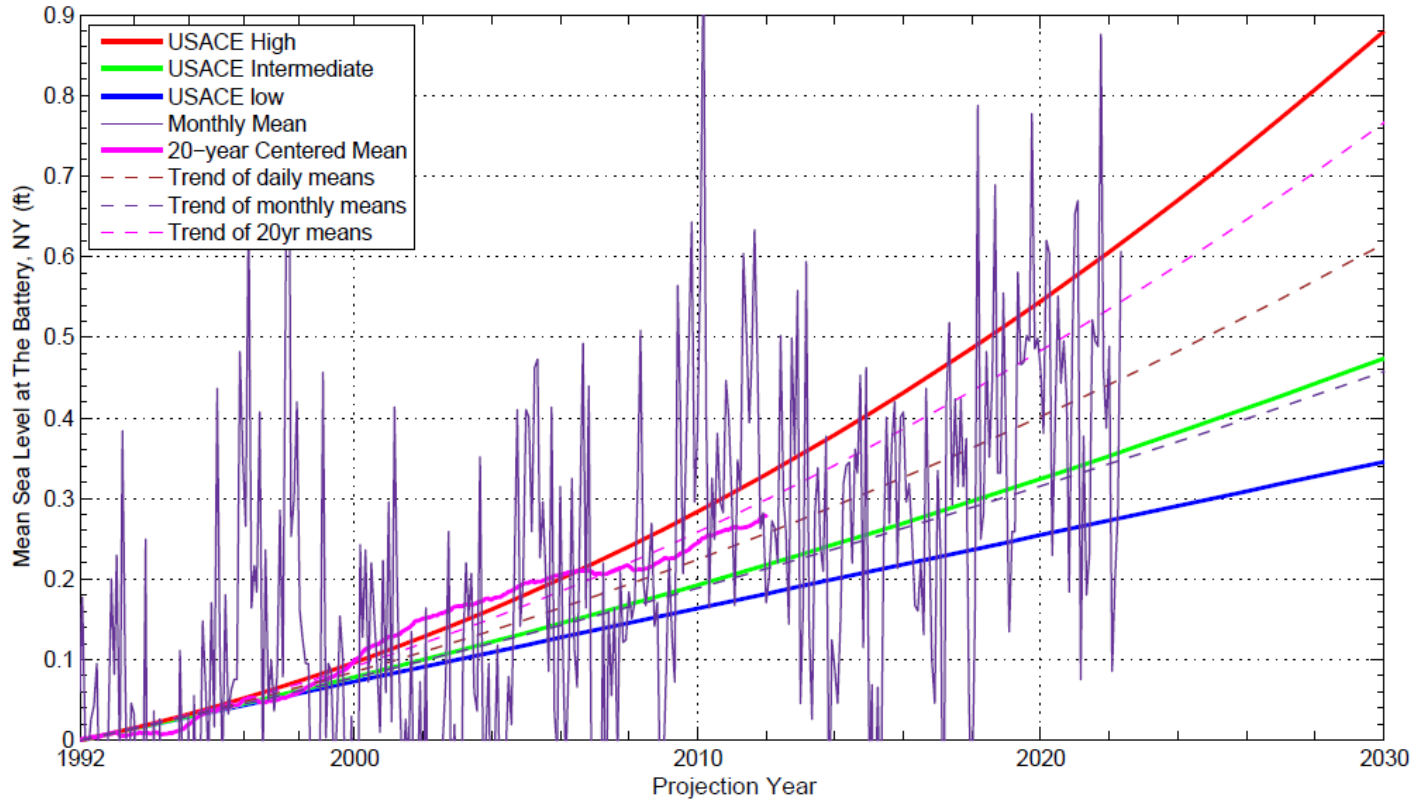
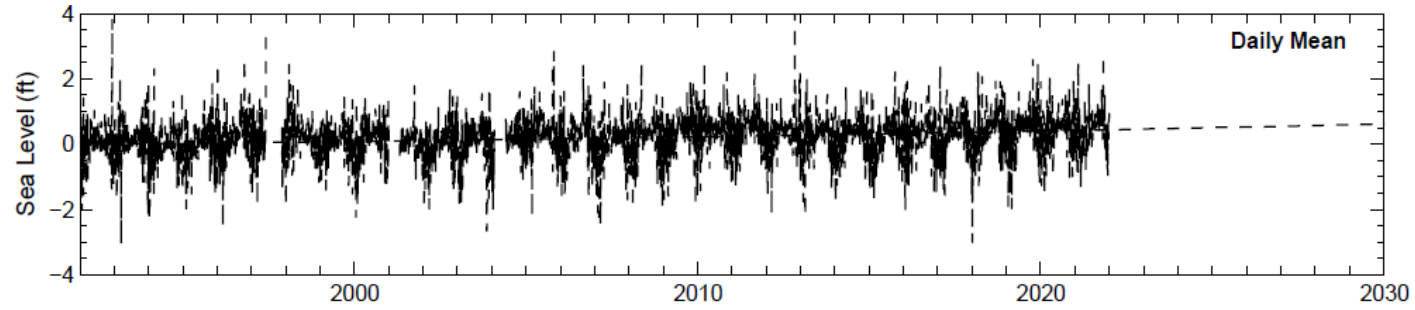


ALTERNATIVE 3B WITH OTHER COASTAL STORM RISK MANAGEMENT EXISTING AND UNDERWAY PROJECTS



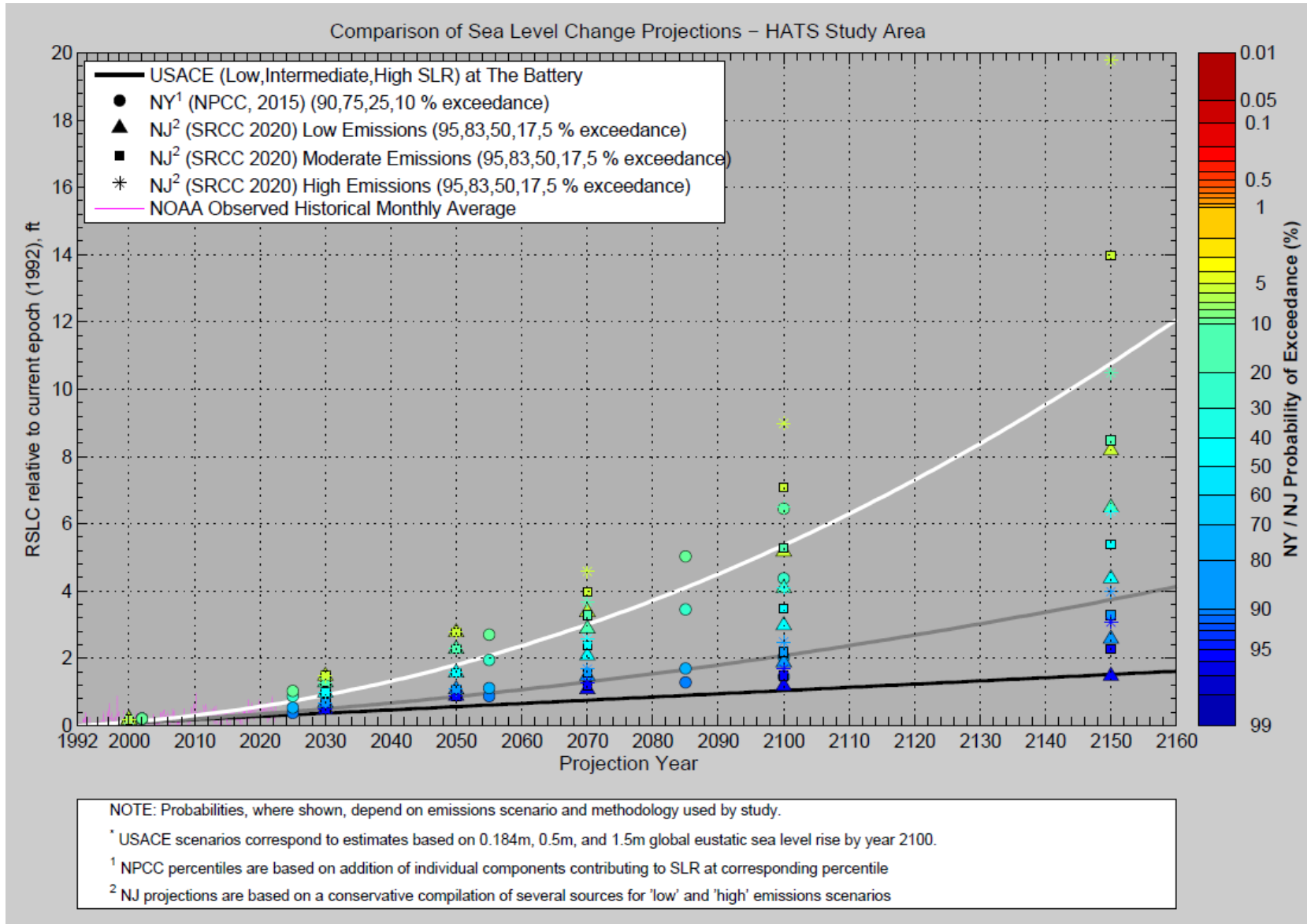


USACE RELATIVE SEA LEVEL CHANGE PROJECTION FOR THE BATTERY COMPARED TO NOAA SEA LEVEL MEASUREMENTS



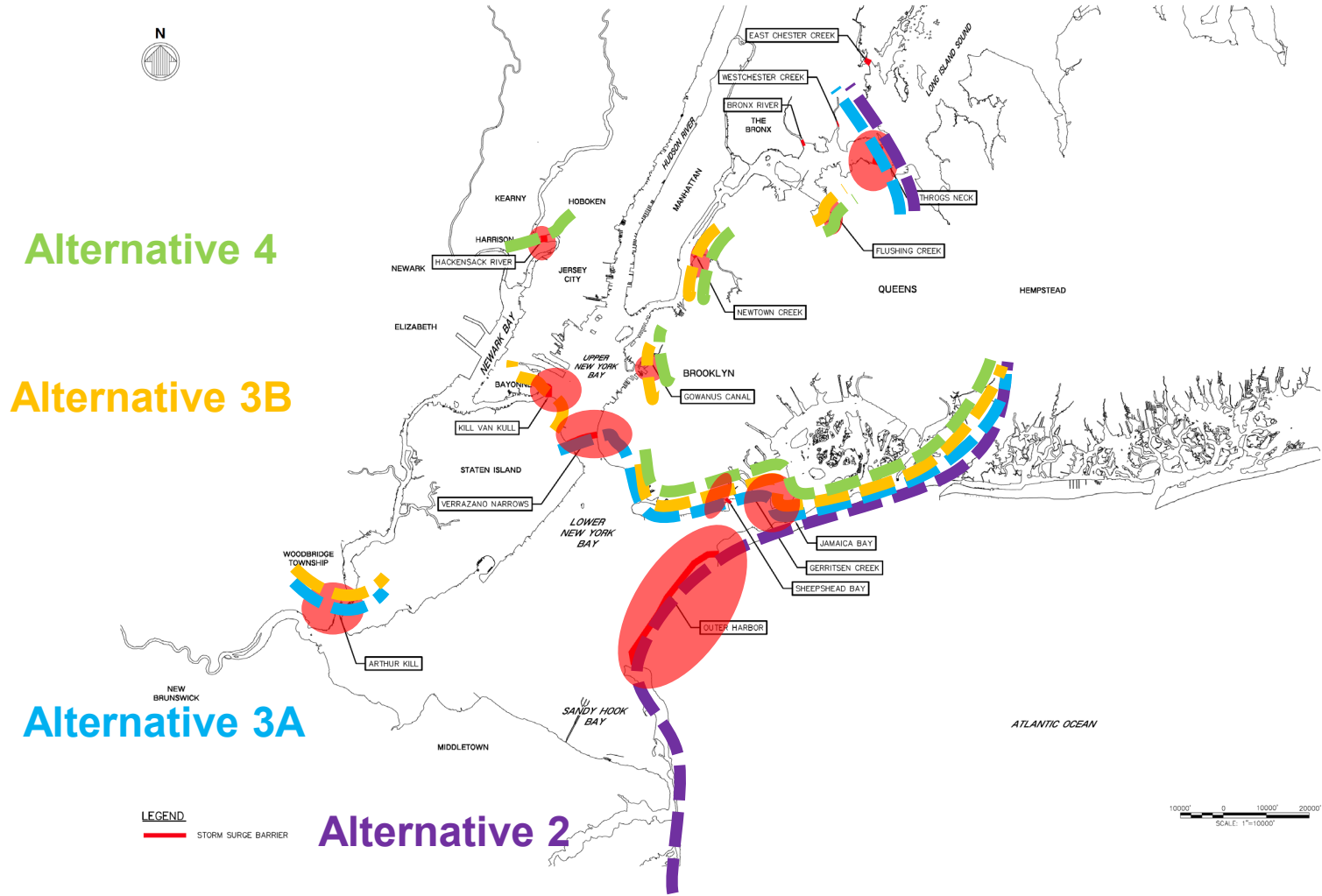


USACE RELATIVE SEA LEVEL CHANGE AT BATTERY COMPARED TO STATES AND CITY PROJECTIONS





COMPOSITE: ALTERNATIVE PLANS SHOWING STORM SURGE BARRIER LOCATIONS



- All alternative plans will include nonstructural measures, as feasible, for areas with unaddressed coastal storm risk
- All alternative plans will include natural and nature-based features where applicable and feasible

Alternative 5 (*shore-based measures only*) not shown in figure



IMPLEMENTING STORM SURGE BARRIERS

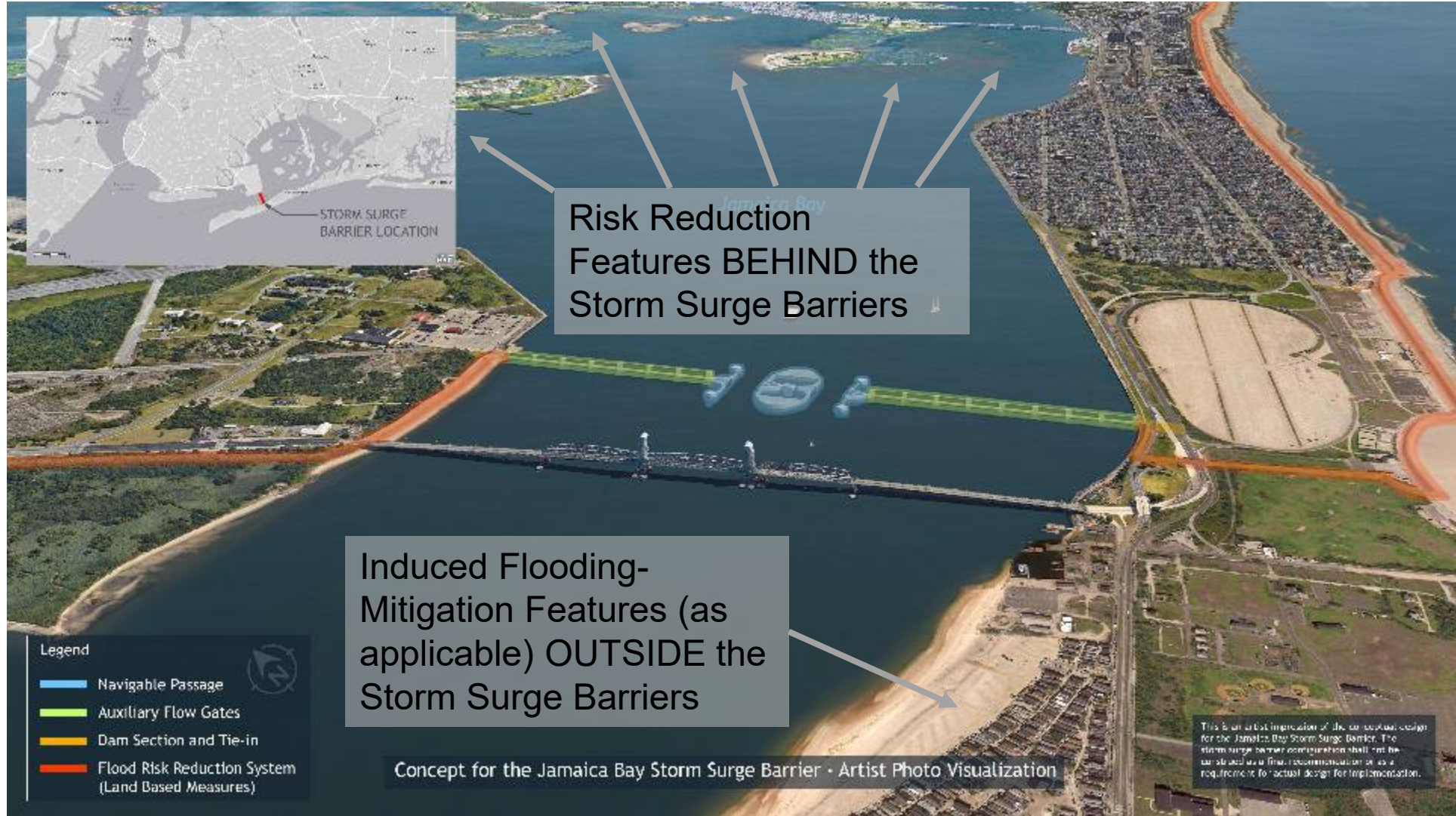


Concept for the Jamaica Bay Storm Surge Barrier - Artist Photo Visualization

This is an artist impression of the conceptual design for the Jamaica Bay storm surge barrier. The storm surge barrier configuration shall not be considered as a final recommendation or as a requirement for actual design for implementation.



ASSOCIATED FEATURES (RISK REDUCTION FEATURES AND INDUCED FLOODING-MITIGATION FEATURES)

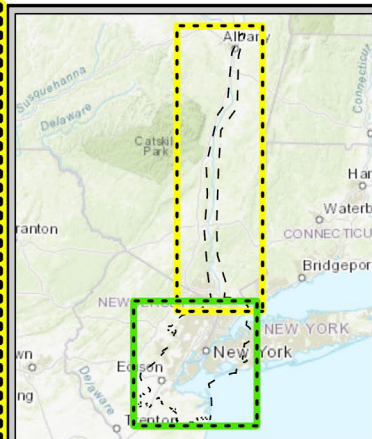
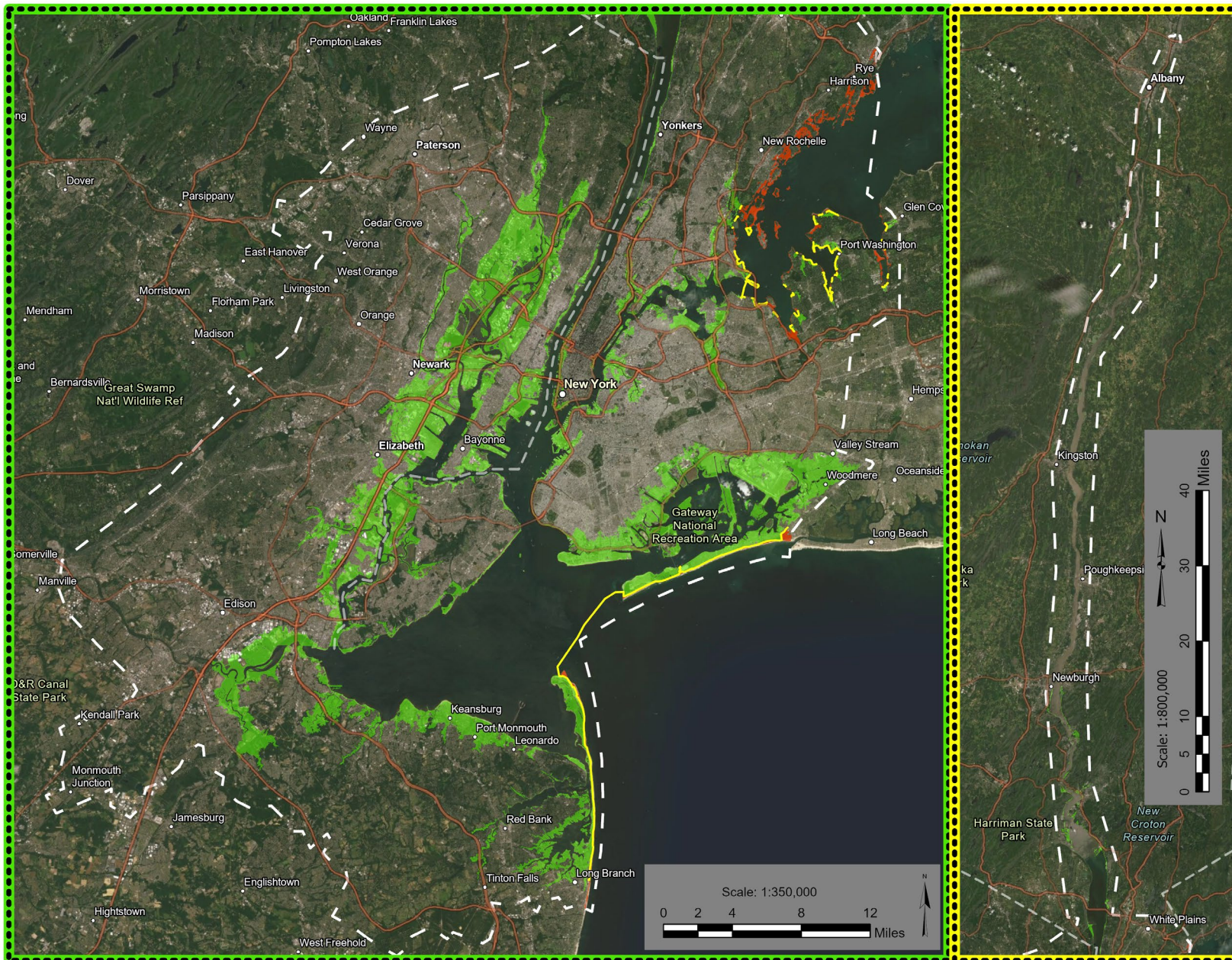




ALTERNATIVE 2



94.1%
Study Area
at Direct
Risk
Benefited



Legend

- Study Area
- Alternative 2 - CSRM Measures (SSB, SBM, IFF)
- CSRM Reduced Risk with Project Alt2 (area directly benefited)
- Residual Risk with Project Alt2 (area not benefited)

NY-NJ HARBOR AND TRIBUTARIES STUDY

Alternative 2
Future With Project
Reduced Risk & Residual Risk
(1% AEP with Intermediate
Sea Level Rise in 2095)

Date: 8/26/2022



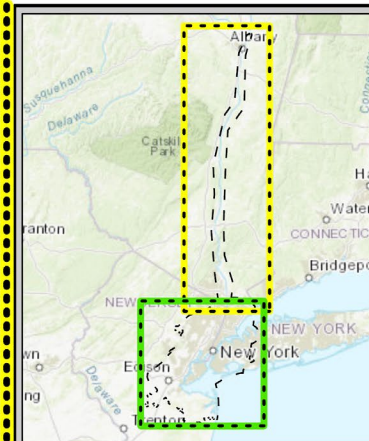
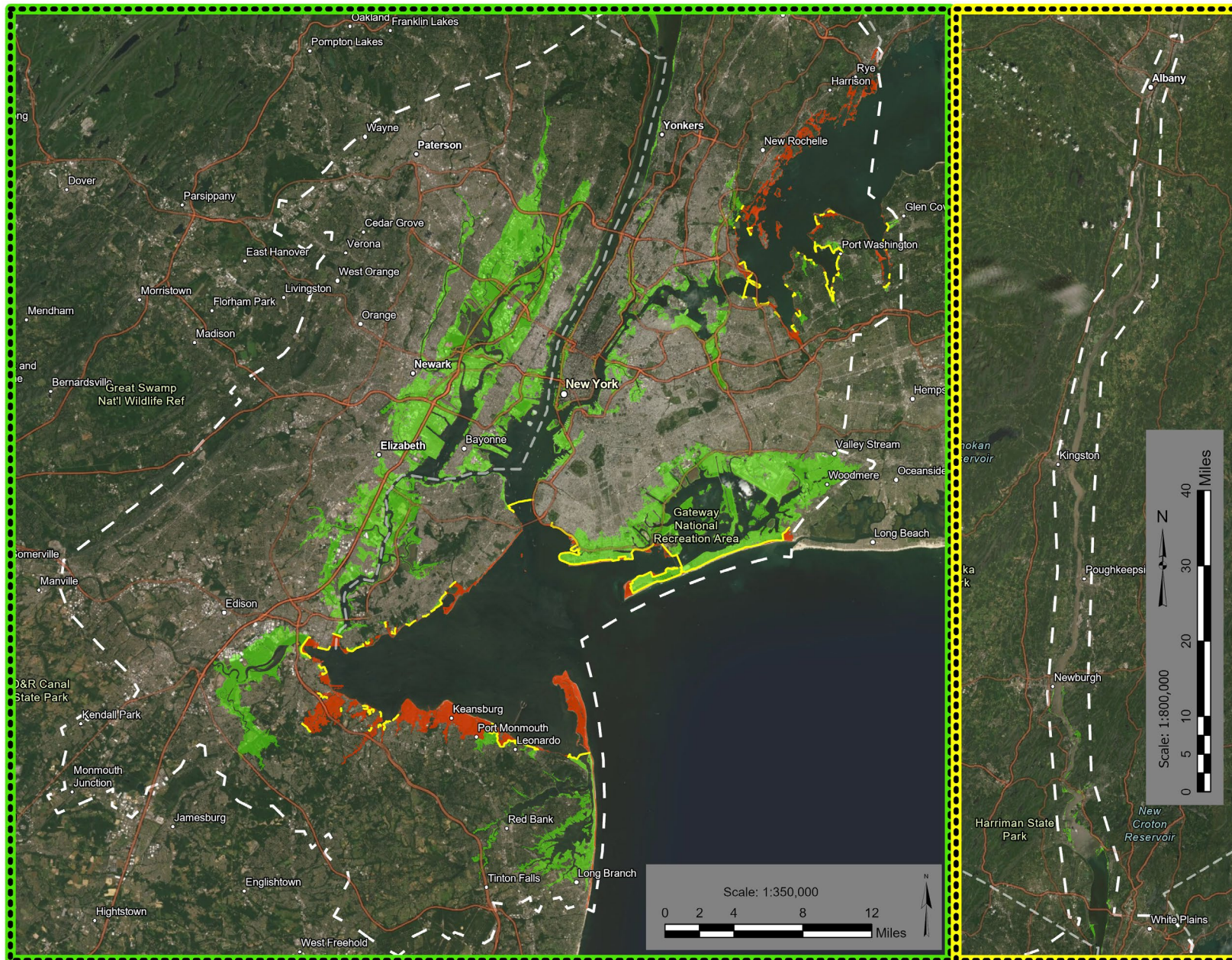
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ALTERNATIVE 3A

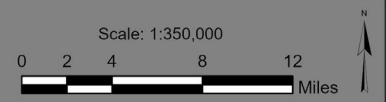
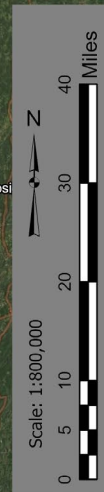


73.7%
Study Area
at Direct
Risk
Benefited



Legend

- Study Area
- Alternative 3A - CSRM Measures (SSB, SBM, IFF)
- CSRM Reduced Risk with Project Alt3A (area directly benefited)
- Residual Risk with Project Alt3A (area not benefited)



NY-NJ HARBOR AND TRIBUTARIES STUDY

Alternative 3A
Future With Project
Reduced Risk & Residual Risk
(1% AEP with Intermediate
Sea Level Rise in 2095)

Date: 8/26/2022



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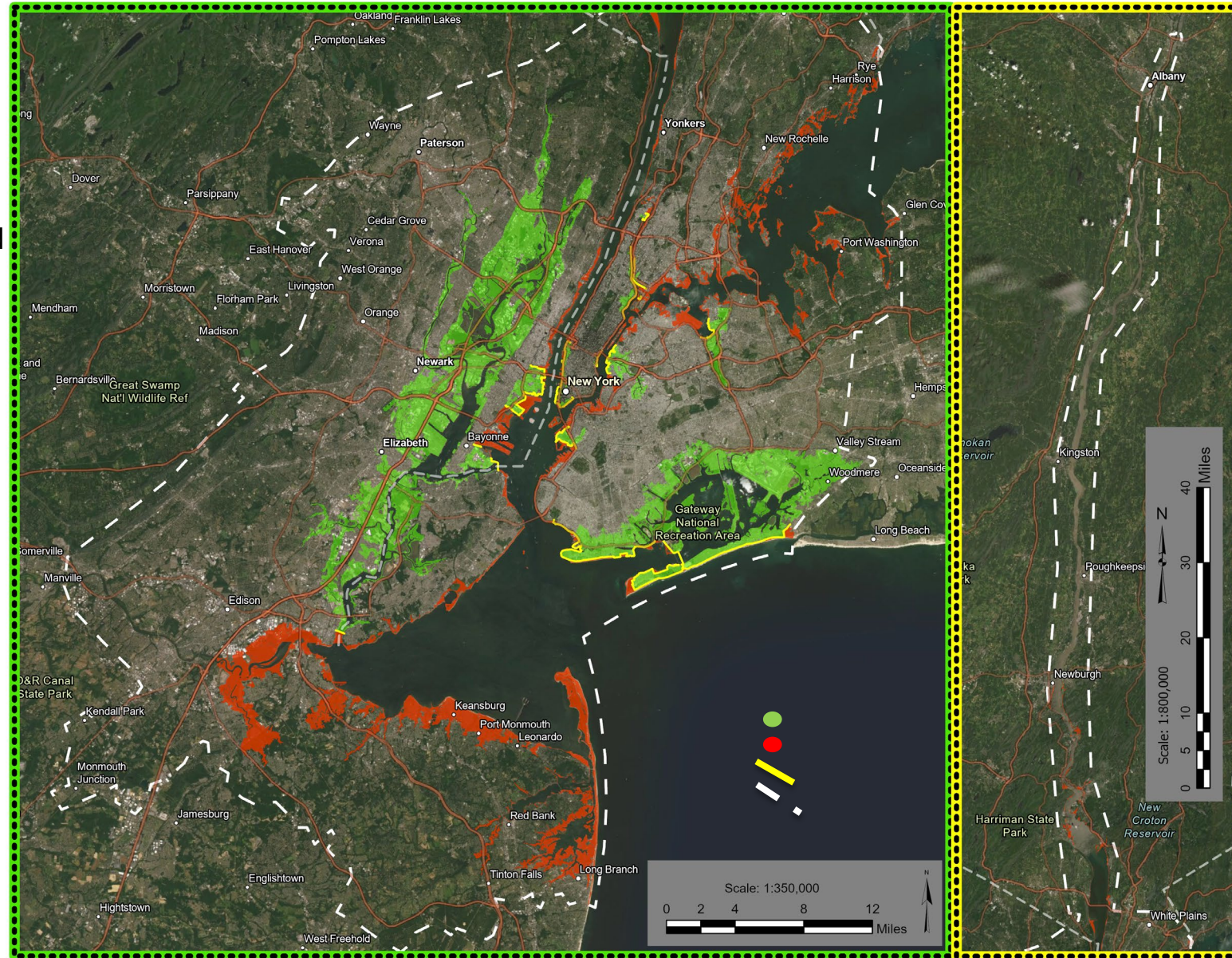
TENTATIVELY SELECTED PLAN: ALTERNATIVE 3B



62.75% Study Area at Direct Risk Benefited

Alternative 3B includes:

- Jamaica Bay and Southern Brooklyn Storm Surge Gate and Shoreline-based Measures
- Kill Van Kull and Arthur Kill Storm Surge Gates with Shoreline-based tie-ins
- Storm Surge Gates and Shoreline-based tie-ins for Gowanus, Newtown and Flushing Creeks
- Shoreline-based measures for Lower Manhattan, East Harlem, and Jersey City
- Numerous other complementary structural, non-structural, and NNBFs (not shown here) to complement measures listed above and better manage remaining residual risk (many under development & evaluation)



Legend

- Study Area
- Alternative 3B - CSRM Measures (SSB, SBM, IFF)
- CSRM Reduced Risk with Project 3B (area directly benefited)
- Residual Risk with Project Alt3B (area not benefited)

NY-NJ HARBOR AND TRIBUTARIES STUDY

Alternative 3B
Future With Project
Reduced Risk & Residual Risk
(1% AEP with Intermediate Sea Level Rise in 2095)

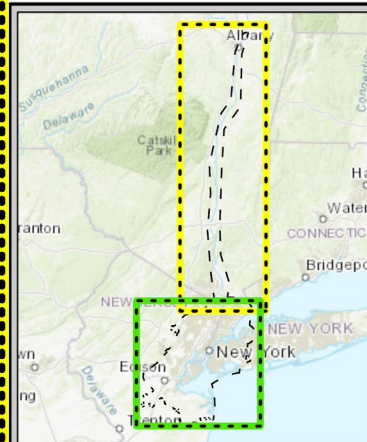
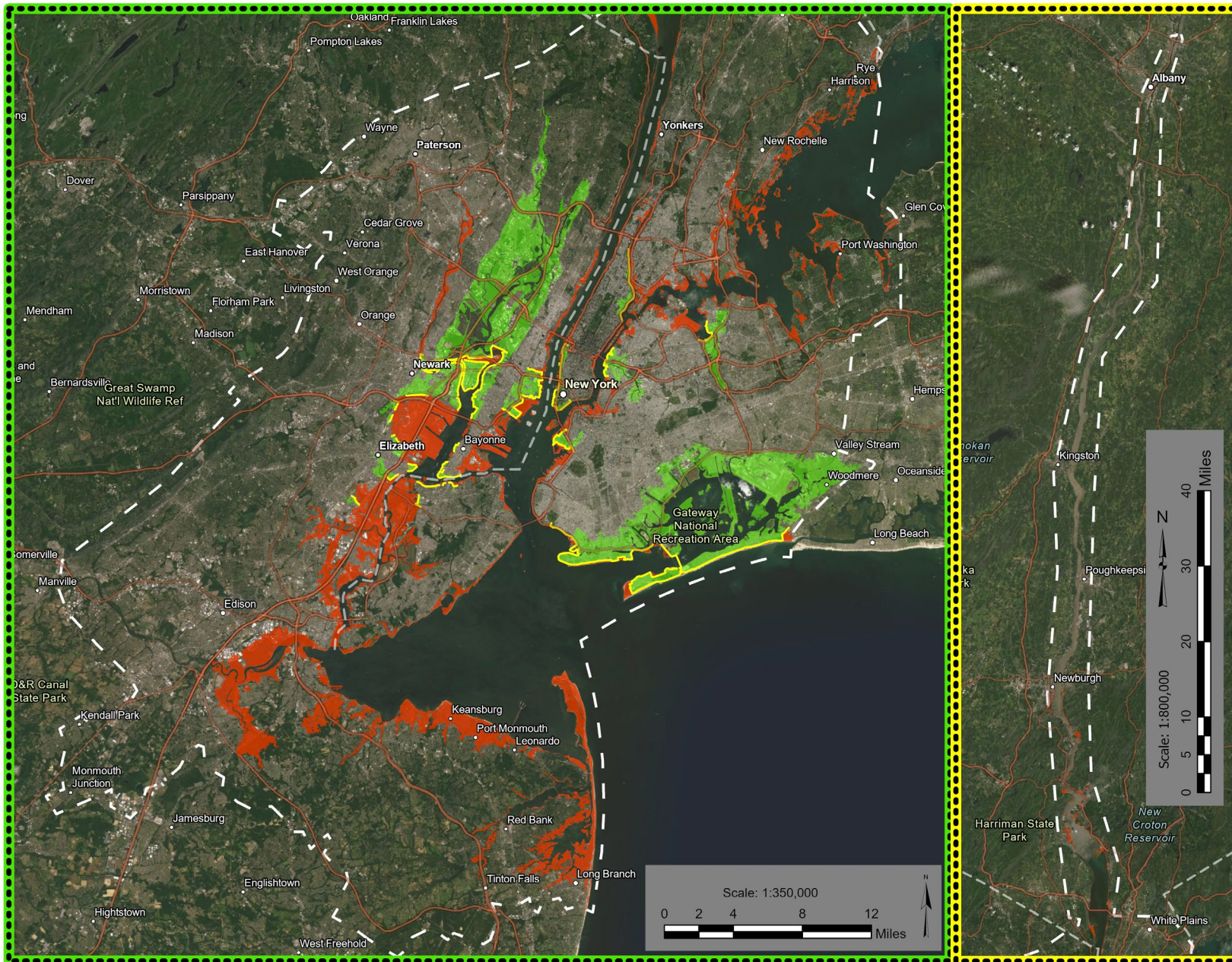
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ALTERNATIVE 4



33.1%
Study Area
at Direct
Risk
Benefited



Legend

- Study Area
- Alternative 4 - CSRM Measures (SSB, SBM, IFF)
- CSRM Reduced Risk with Project Alt4 (area directly benefited)
- Residual Risk with Project Alt4 (area not benefited)

NY-NJ HARBOR AND TRIBUTARIES STUDY

Alternative 4
Future With Project
Reduced Risk & Residual Risk
(1% AEP with Intermediate
Sea Level Rise in 2095)

Date: 8/26/2022



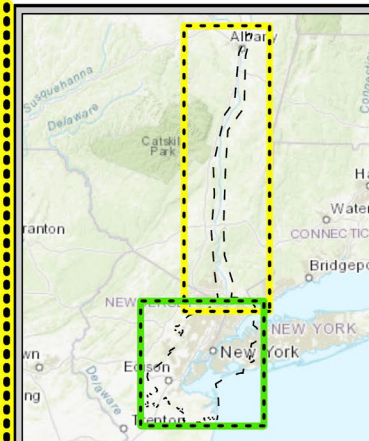
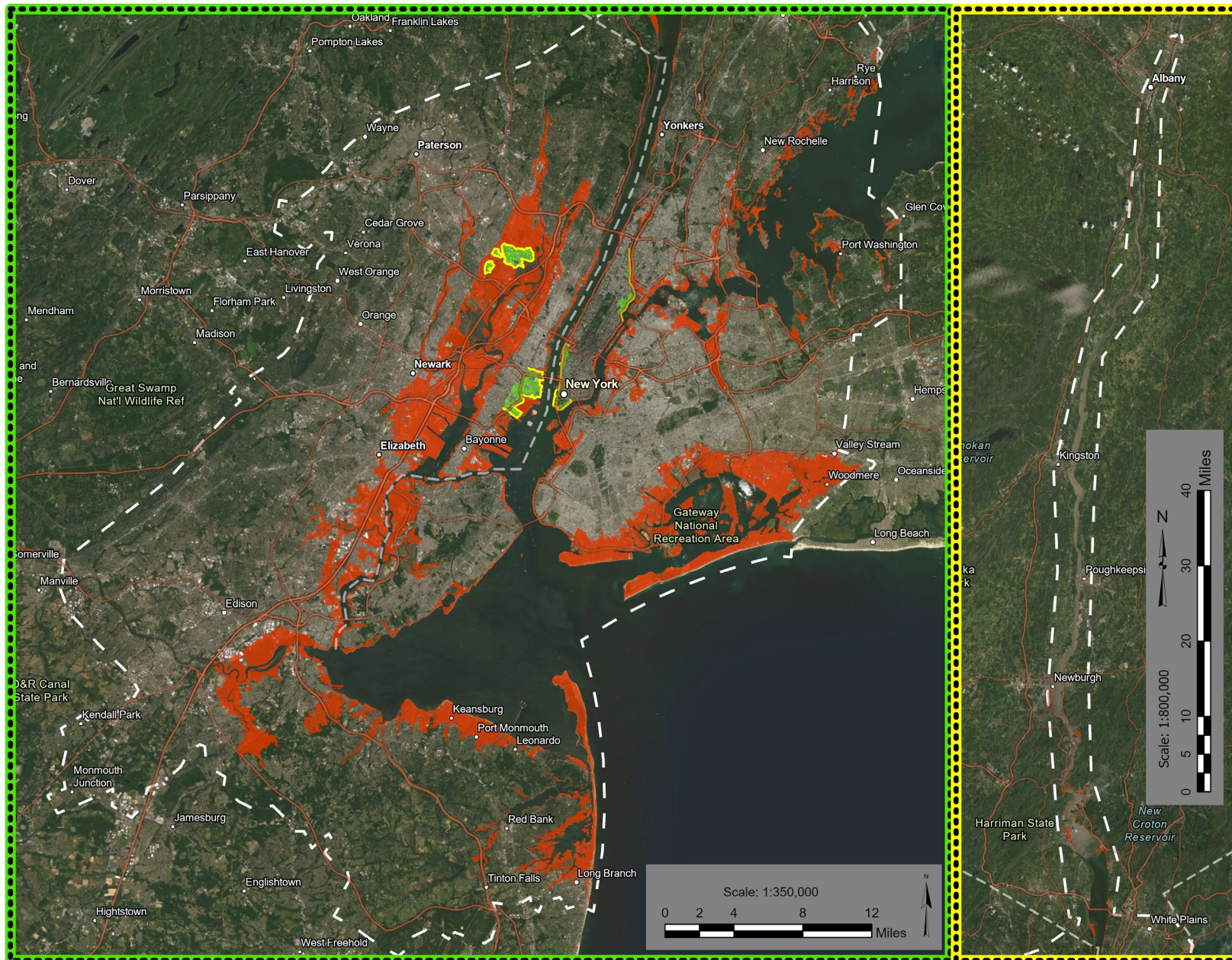
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ALTERNATIVE 5

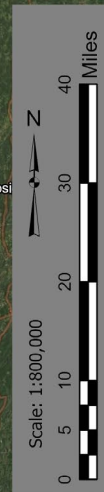


2.6%
Study Area
at Direct
Risk
Benefited



Legend

- Study Area
- Alternative 5 - CSRM Measures (SBM)
- CSRM Reduced Risk with Project Alt5 (area directly benefited)
- Residual Risk with Project Alt5 (area not benefited)



NY-NJ HARBOR AND TRIBUTARIES STUDY

Alternative 5
Future With Project
Reduced Risk & Residual Risk
(1% AEP with Intermediate
Sea Level Rise in 2095)

Date: 8/26/2022



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PLAN FORMULATION ITERATIONS



First round of alternatives screening: Focus on identifying scale

- Main decision factor: NED benefits
- Outcome: Alternatives 3A, 3B, 4 were (and are still) best performing

Second round of alternatives screening: Differentiate among Alternatives 3A, 3B, and 4

- Main decision factors: RSLC, SSB gate operational assumptions, environmental and navigational considerations, refining benefits
- Considered all benefit registers but primarily used national economic development for selection
- Results are presented in the draft integrated feasibility report/EIS

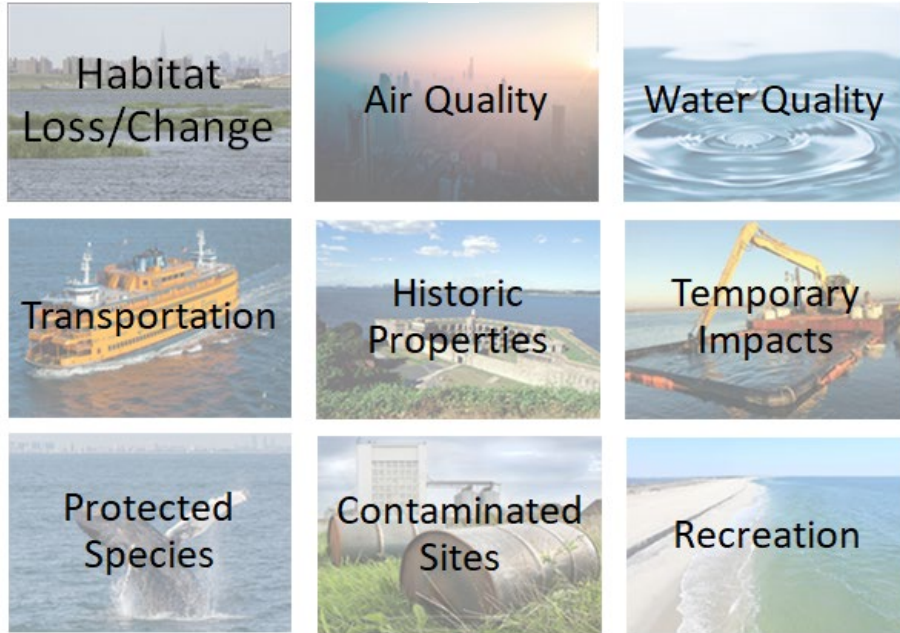
TSP Optimization (done after public review of the Draft Report)

- Main decision factors:
 - Sizing of measures in TSP to maximize net benefits
 - Refine balance between each SSG operation/closing criteria with RRFs, as applicable
 - Adjust alignments for NED, OSE, and EQ considerations
- Results will be presented in the final integrated feasibility report/EIS (early 2024)

DRAFT TIER 1 ENVIRONMENTAL IMPACT STATEMENT

Existing Conditions

Environmental Consequences



Impact Rating Definitions	
Impact Rating	Description
High - 5	Effects to the resource would have substantial consequences, locally and/or regionally. Impacts would exceed regulatory standards. Mitigation measures to offset the adverse effects would not be enough to reduce the significance of effect and therefore, effects to the resource would not be environmentally acceptable.
Moderate to High - 4	Effects to the resource would be locally and/or regionally significant. Impacts would be within regulatory standards; however, existing resource conditions are expected to be affected in the near-term, but not necessarily in the long term. Mitigation measures to reduce any potential adverse impacts would be necessary.
Moderate - 3	Effects to the resource are expected to be moderate in the near-term and localized. Impacts would be within or below regulatory standards, as applicable, and the use of mitigation measures would reduce potential adverse impacts, if applicable.
Low - 2	Effects to the resource would either be negligible or, if detectable, have minor temporary impacts locally to the resource. The impacts would be well below regulatory standards, as applicable, and mitigation measures may be implemented to sustain low to no impact to the resource.
No Impact - 1	There would be no impacts to the resource because the resource would not be affected.

- Defining Scope of Direct, Indirect, and Cumulative Impacts - BROADLY
- Estimating Beneficial Environmental Effects

- Incorporating Cooperating Agency and Stakeholder Input
- Estimating Mitigated Impacts
- Identifying Unmitigable Impacts

YOU ARE HERE!

**NAN is employing a tiered-NEPA approach in which the Tier 1 EIS will demonstrate full environmental compliance with NEPA and environmental laws for the “actionable measures” of the recommended plan where the impacts and designs are well understood and minimal changes are anticipated during the preconstruction, engineering design (PED) phase. For measures where some uncertainty remains on the design of the measure or additional modeling is needed to fully understand and quantify the effects of the action, an overview of the worst-case scenario of impacts will be provided to give the decision maker a full understanding of the possible impacts. For these measures, additional NEPA will be completed during PED to more accurately disclose the impacts based on refined designs and updated modeling.



PROJECT COSTS (INTERMEDIATE RSLC)



Alternative	Construction Duration (years)	Years of Full Benefits*	First Costs (not including contingency)	Contingency	OMRR&R and IDC (PV)	Total (Present Value)**
2	32	32	\$70.6B	\$41.7B	\$37.3B	\$150.2B
3A	24	40	\$48.9B	\$28.0B	\$18.7B	\$95.7B
3B	14	50	\$35.6B	\$17.1B	\$23.5B	\$76.2B
4	14	50	\$28.8B	\$14.2B	\$19.4B	\$62.51B
5	5	50	\$10.1B	\$5.9B	\$9.8B	\$25.8B

* - USACE policy only allows a maximum of 50 years of benefits in the economic evaluation, but the alternatives and measures are planned for permanent implementation with an at least one-hundred-year planning horizon

** - Adaptation costs for higher sea level rise projections are under refinement and have not been included in the total cost estimates at this time



PROJECT BENEFITS (INTERMEDIATE RSLC)

Alternative	Average Annual Cost	Average Annual Benefits*	Net Benefits*	BCR
2	\$5.0B	\$4.6B	-\$0.5B	0.91
3A	\$3.2B	\$6.4B	\$3.2B	1.99
3B	\$2.6B	\$6.3B	\$3.7B	2.45
4	\$2.1B	\$5.0B	\$2.9B	2.39
5	\$0.9B	\$1.9B	\$1.0B	2.21

* Benefits currently based on estimated damages avoided to structures in study area. Critical infrastructure and other possible benefits under refinement and have not been included in the net benefit calculations at this time.



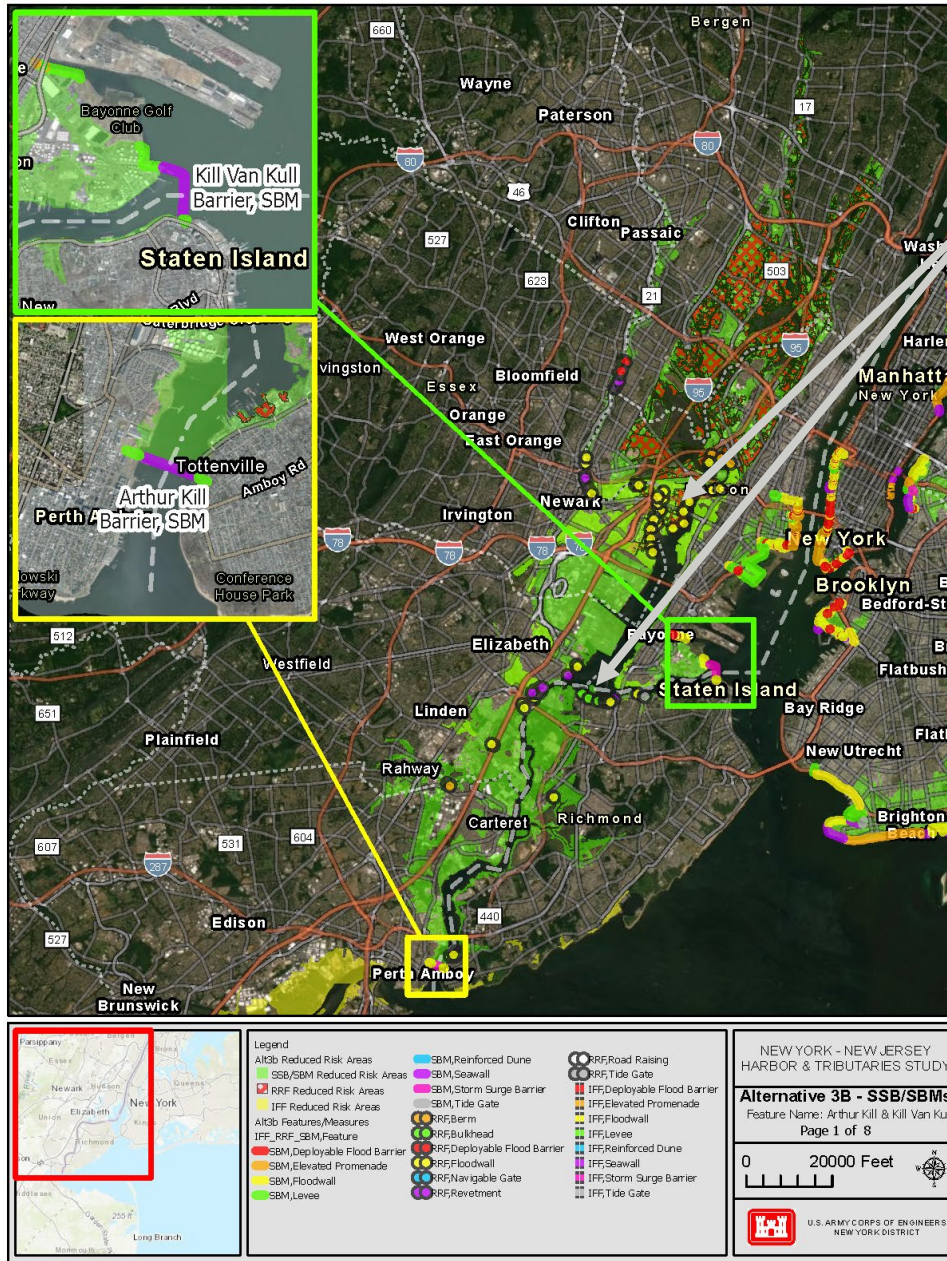
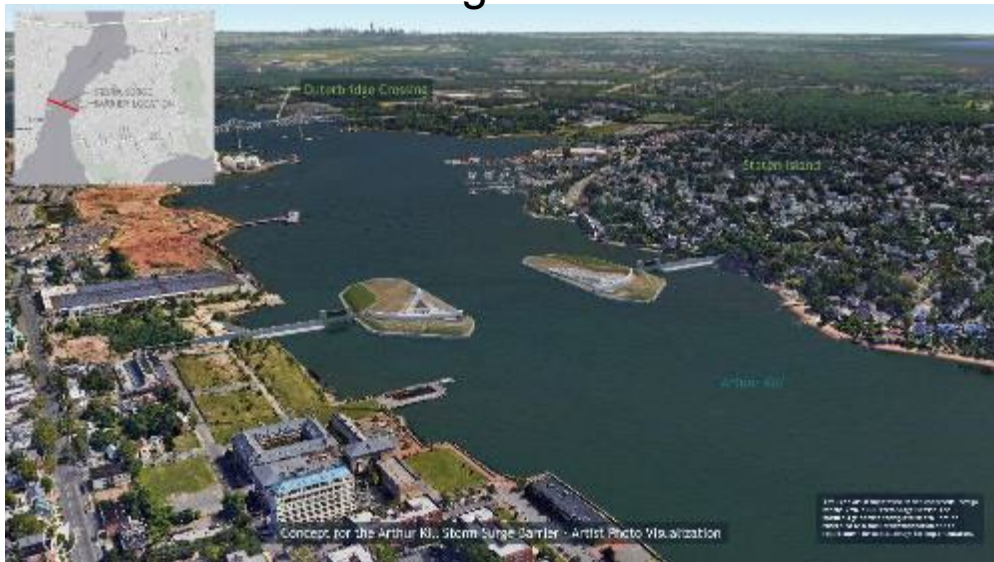
TENTATIVELY SELECTED PLAN FEATURES IN DETAIL



Kill Van Kull Storm Surge Barrier



Arthur Kill Storm Surge Barrier



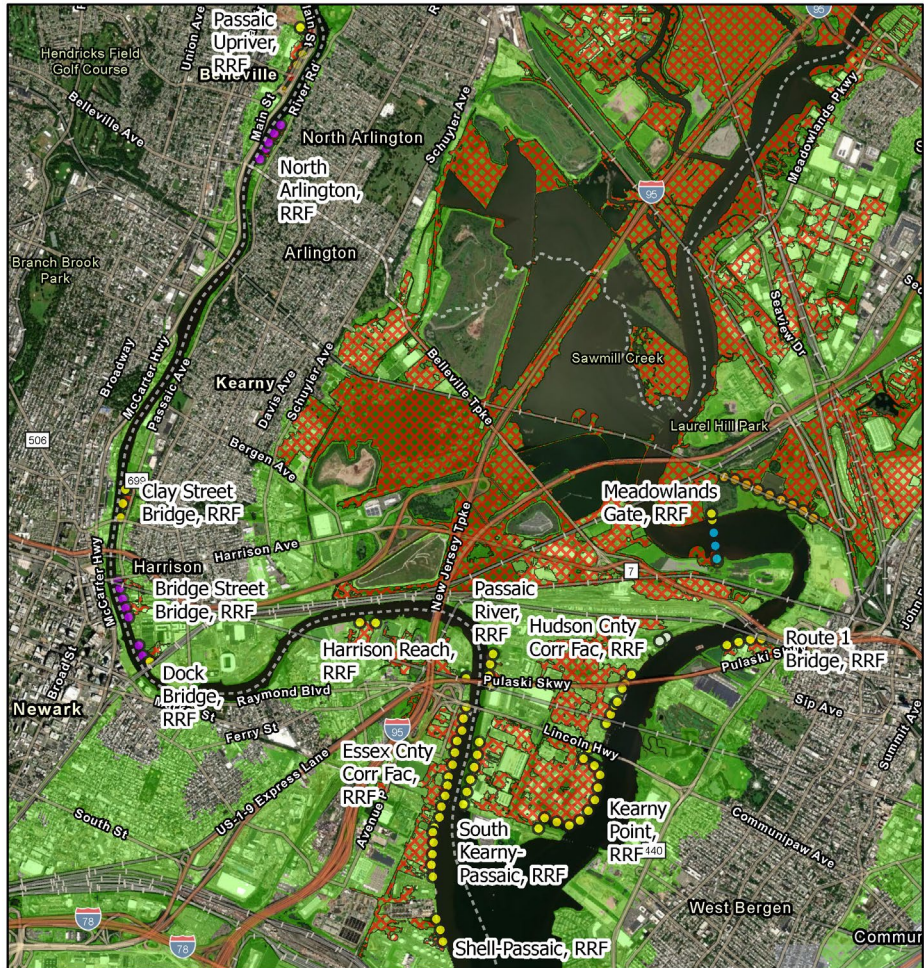
Note Risk Reduction Features behind Storm Surge Barriers



TENTATIVELY SELECTED PLAN FEATURES IN DETAIL

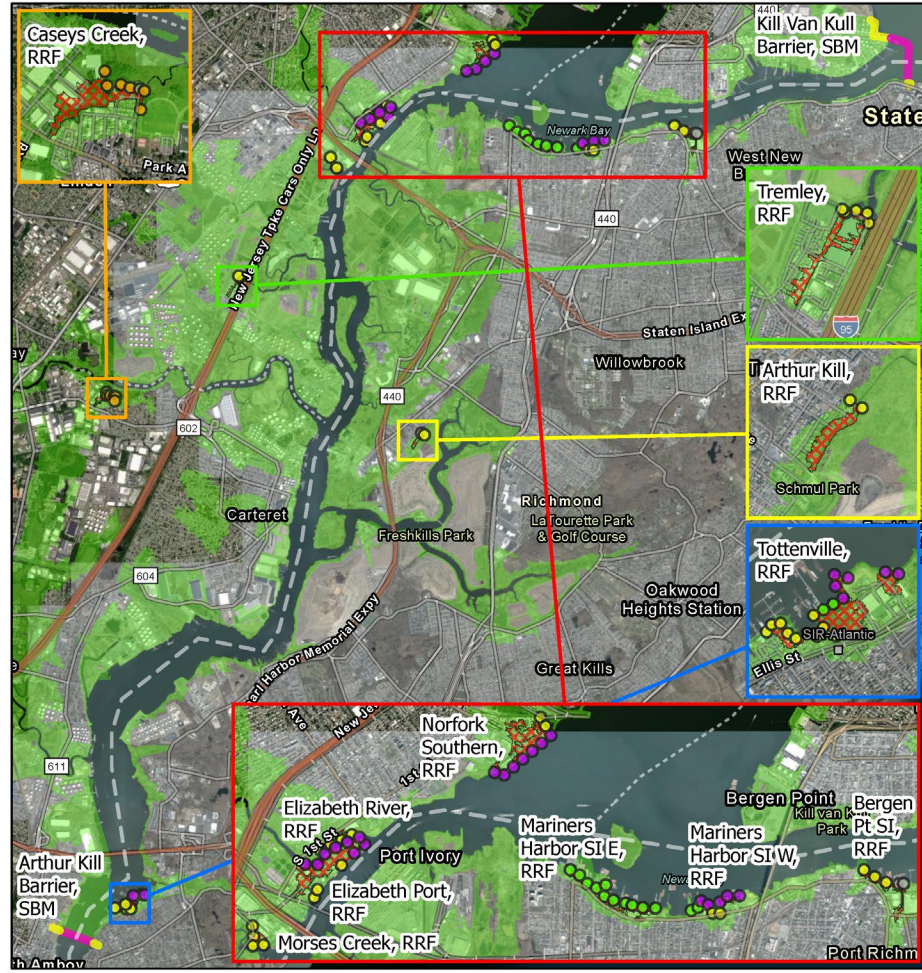


Residual Risk Features – Northern New Jersey



	Legend Alt3b Features/Measures ● RRF, Berm ● RRF, Deployable Flood Barrier ● RRF, Floodwall ● RRF, Navigable Gate	● RRF, Revetment ○ RRF, Road Raising Alt3b Reduced Risk Areas SSB/SBM Reduced Risk Areas RRF Reduced Risk Areas	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY Alternative 3B - RRFs New Jersey (Northern) RRFs 0 4000 Feet
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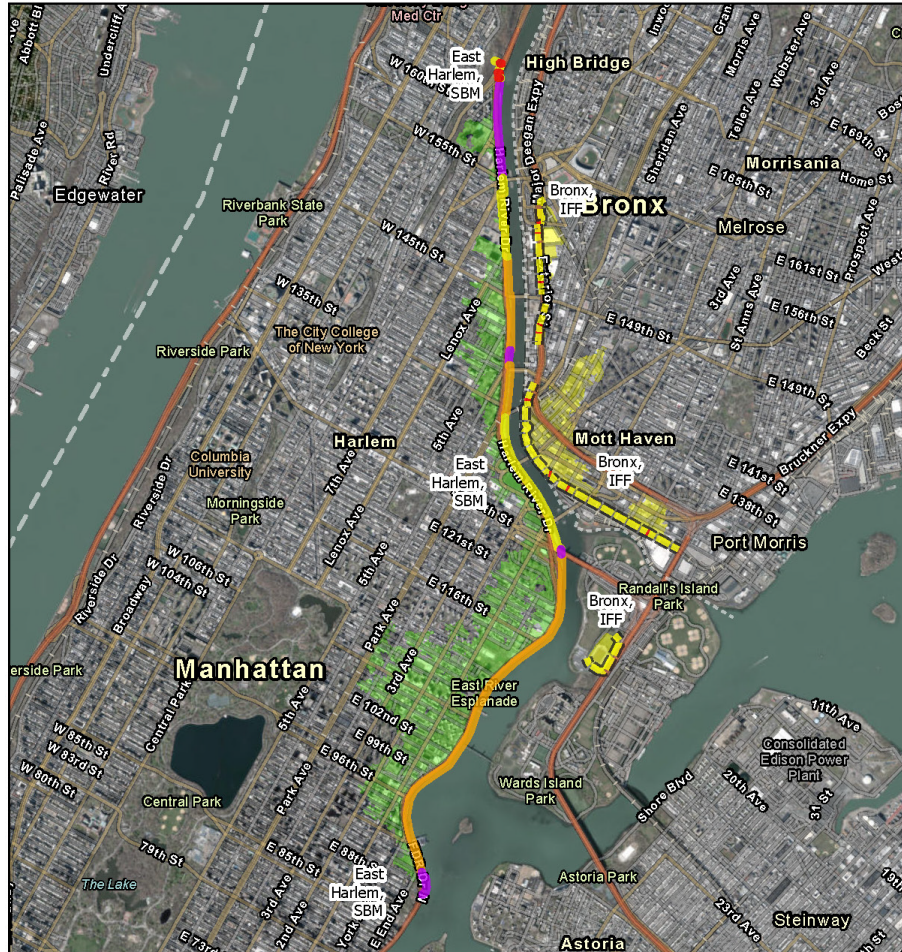
Residual Risk Features – NJ & SI



	Legend Alt3b Features/Measures ● SBM, Floodwall ● SBM, Storm Surge Barrier ● RRF, Berm ● RRF, Bulkhead ● RRF, Floodwall	● RRF, Revetment ○ RRF, Tide Gate Alt3b Reduced Risk Areas SSB/SBM Reduced Risk Areas RRF Reduced Risk Areas	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY Alternative 3B - RRFs New Jersey (Southern) RRFs 0 5000 Feet
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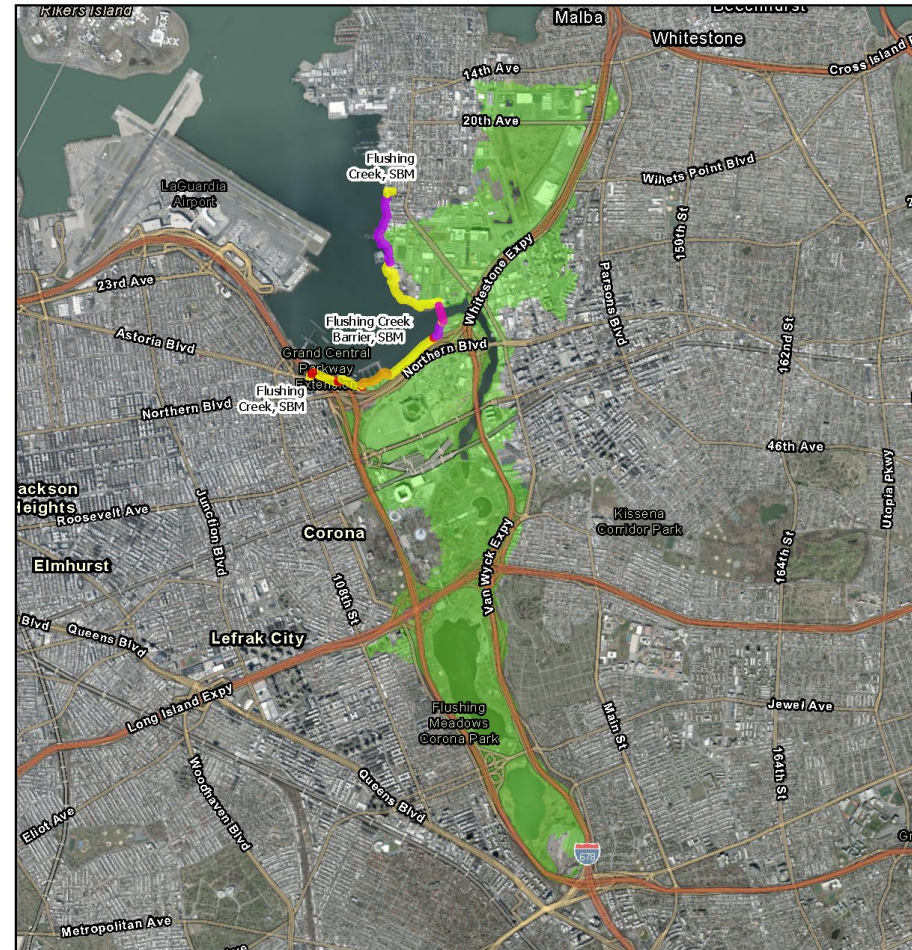
TENTATIVELY SELECTED PLAN FEATURES IN DETAIL

East Harlem and Bronx Area



	Legend Alt3b Features/Measures ■ SBM, Deployable Flood Barrier ■ SBM, Elevated Promenade ■ SBM, Floodwall ■ SBM, Seawall	■ IFF, Deployable Flood Barrier ■ IFF, Floodwall ■ Alt3b Reduced Risk Areas ■ SSB/SBM Reduced Risk Areas ■ IFF Reduced Risk Areas	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY Alternative 3B - SSB/SBMs Feature Name: East Harlem SBM Page 2 of 8 U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT
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Flushing Bay Area



	Legend Alt3b Features/Measures ■ SBM, Deployable Flood Barrier ■ SBM, Elevated Promenade ■ SBM, Floodwall ■ SBM, Seawall ■ SBM, Storm Surge Barrier	■ Alt3b Reduced Risk Areas ■ SSB/SBM Reduced Risk Areas	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY Alternative 3B - SSB/SBMs Feature Name: Flushing Creek Page 3 of 8 U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT
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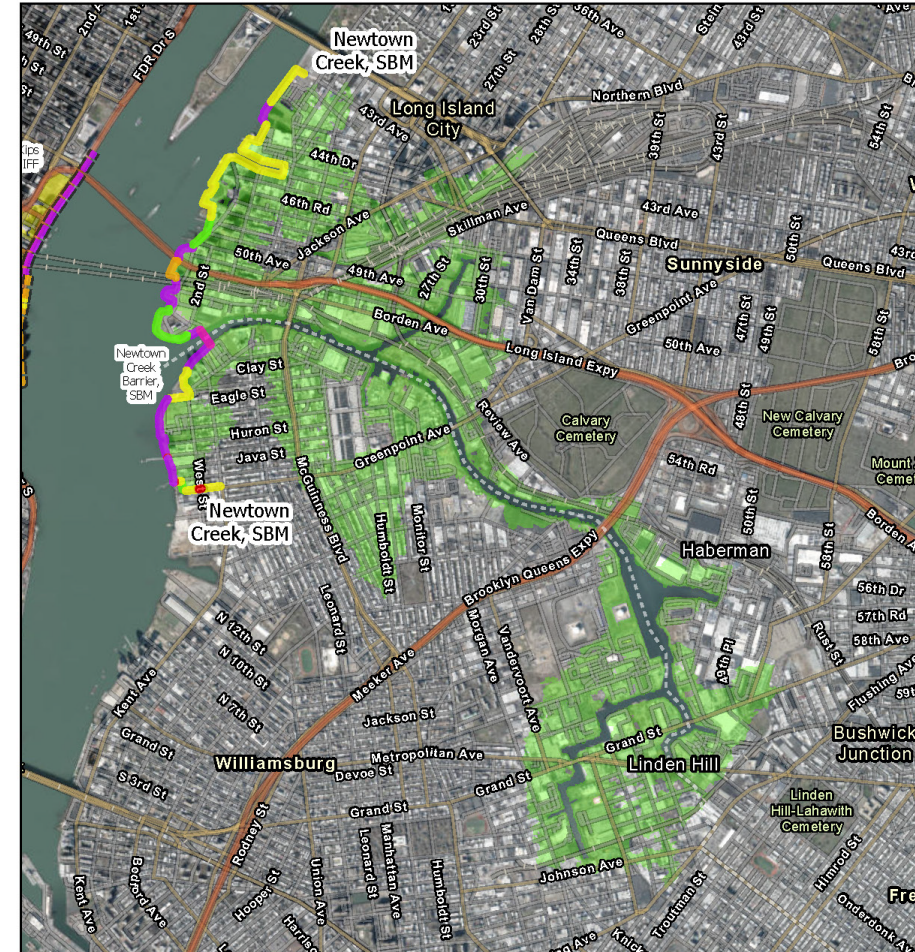
TENTATIVELY SELECTED PLAN FEATURES IN DETAIL

Red Hook and Gowanus Creek Area



	Legend Alt3b Features/Measures SBM, Deployable Flood Barrier SBM, Floodwall SBM, Levee SBM, Seawall SBM, Storm Surge Barrier Alt3b Reduced Risk Areas SSB/SBM Reduced Risk Areas	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY Alternative 3B - SSB/SBMs Feature Name: Gowanus Canal Page 4 of 8

Newtown Creek Area



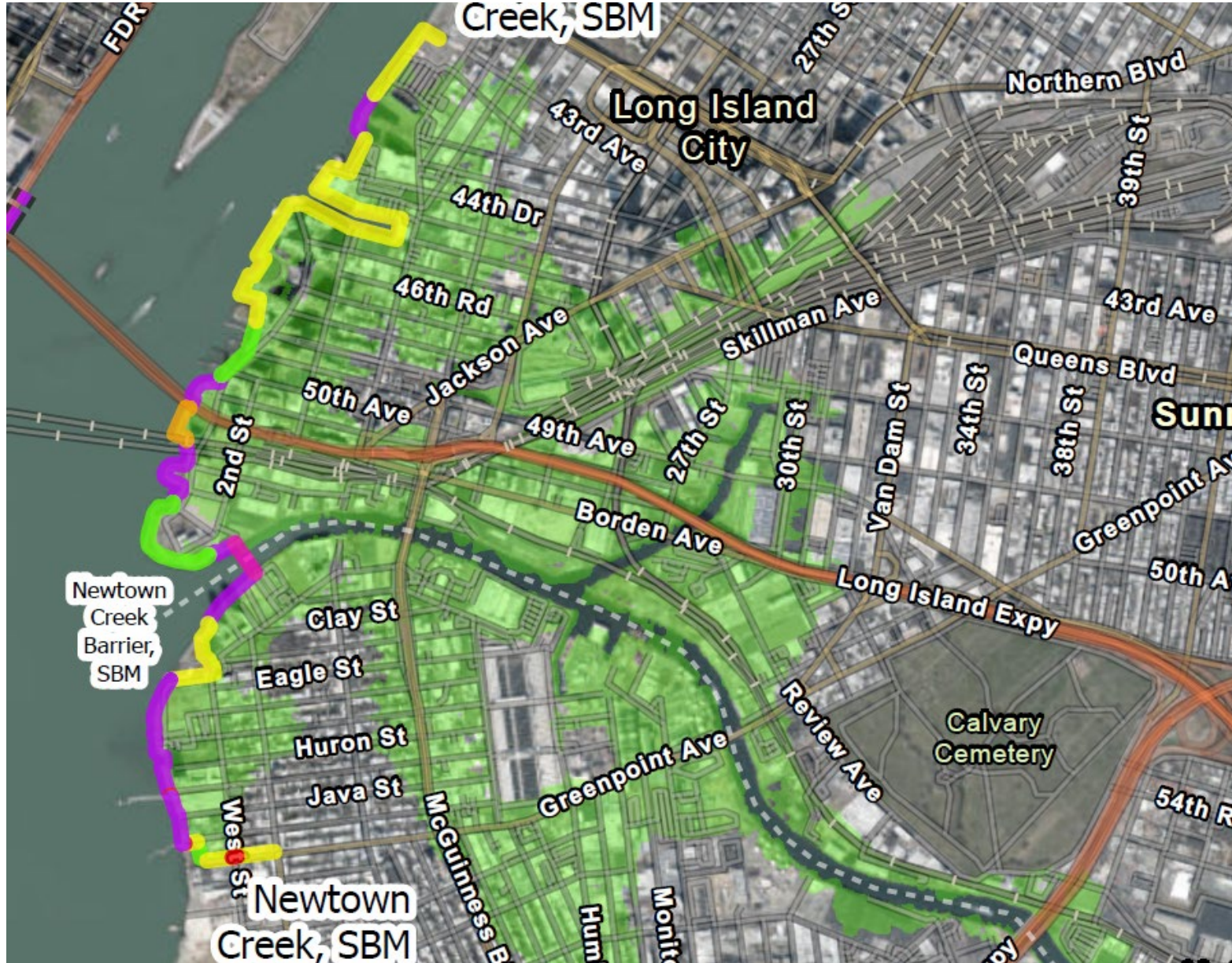
	Legend Alt3b Features/Measures SBM, Deployable Flood Barrier SBM, Elevated Promenade SBM, Floodwall SBM, Levee SBM, Seawall SBM, Storm Surge Barrier IFF, Elevated Promenade IFF, Floodwall IFF, Seawall Alt3b Reduced Risk Areas SSB/SBM Reduced Risk Areas IFF Reduced Risk Areas	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY Alternative 3B - SSB/SBMs Feature Name: Newtown Creek Page 8 of 8



NEWTOWN CREEK STORM SURGE BARRIER AND SHORELINE BASED TIE-IN DETAILS



- 130 ft. wide Sector Gate Storm Surge Barrier (+17 ft. NAVD88 crest elevation) with seawall tie-ins to shore
- 16,178 ft. of shoreline-based tie-ins including floodwalls, levees, pedestrian & vehicle gates, elevated promenades, and seawalls
- May need extension of NYCDEP Wastewater Treatment Plant discharge to outside Storm Surge Barrier
- Known contamination issues





TENTATIVELY SELECTED PLAN FEATURES IN DETAIL



Jersey City Area



Legend

- Alt3b Features/Measures
- SBM, Deployable Flood Barrier
- SBM, Elevated Promenade
- SBM, Floodwall
- SBM, Levee
- SBM, Seawall
- ORRF, Floodwall
- Alt3b Reduced Risk Areas
- SSB/SBM Reduced Risk Areas
- RRF Reduced Risk Areas

NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY

Alternative 3B - SSB/SBMs

Feature Name: New Jersey along Hudson River, SBM

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0 2000 Feet

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Lower Manhattan Area



Legend

- Alt3b Features/Measures
- SBM, Deployable Flood Barrier
- SBM, Elevated Promenade
- SBM, Floodwall
- SBM, Levee
- SBM, Seawall
- IFF, Elevated Promenade
- IFF, Floodwall
- IFF, Seawall
- Alt3b Reduced Risk Areas
- SSB/SBM Reduced Risk Areas
- IFF Reduced Risk Areas

NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY

Alternative 3B - SSB/SBMs

Feature Name: New York City West Side, SBM

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0 3000 Feet

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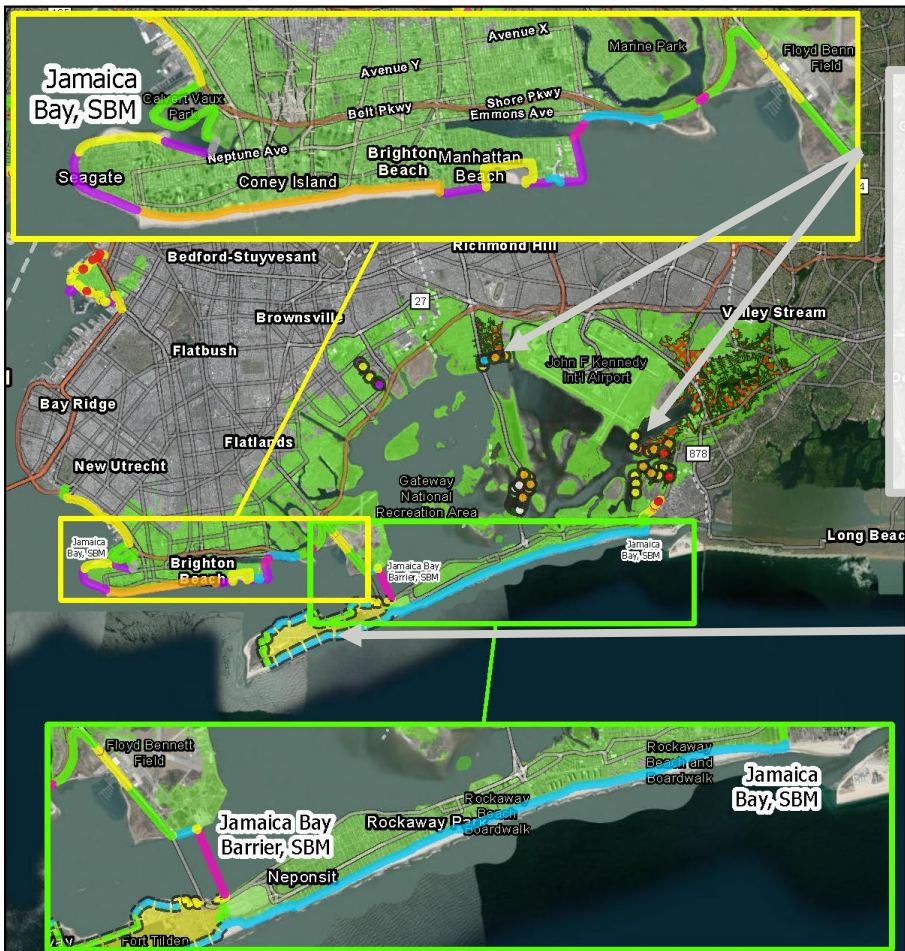


TENTATIVELY SELECTED PLAN FEATURES IN DETAIL



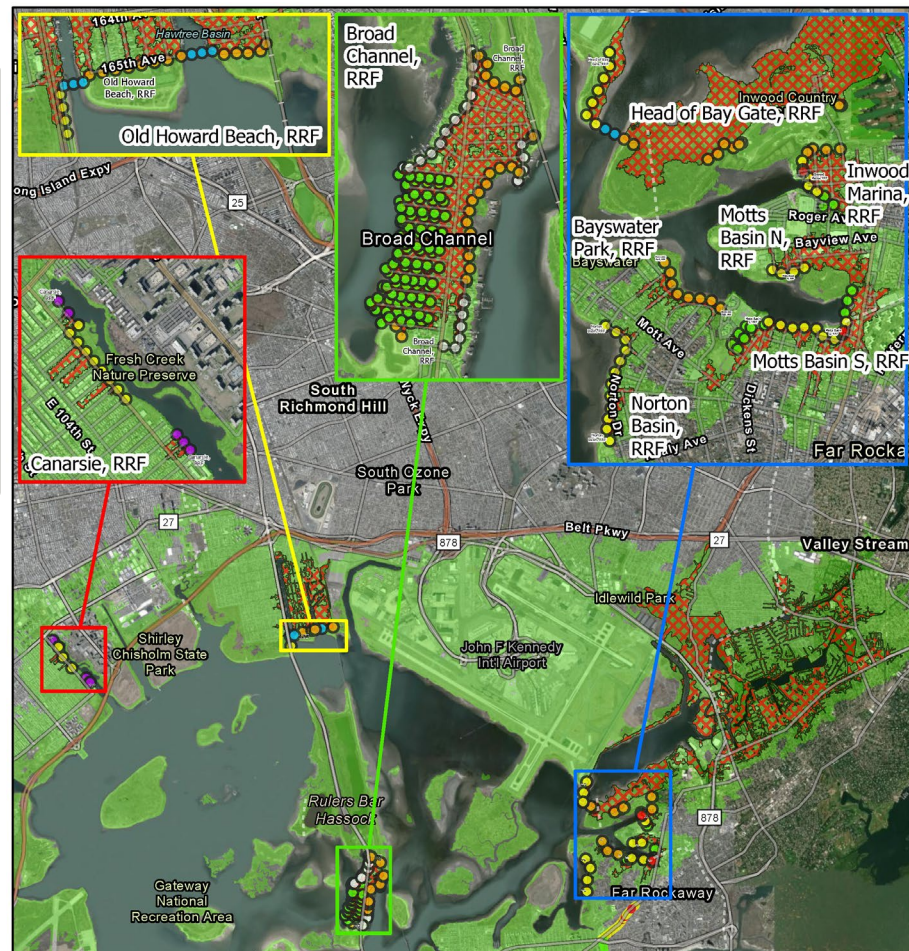
South Brooklyn and Jamaica Bay Area

Jamaica Bay Risk Reduction Feature Details



Note Risk Reduction Features behind Storm Surge Barrier

Note Induced Flooding-Mitigation Features Outside of Storm Surge Barrier



Legend

ALT3b Reduced Risk Areas	SBM, Reinforced Dune	RRF, Road Raising
SSB/SBM Reduced Risk Areas	SBM, Seawall	RRF, Tide Gate
RRF Reduced Risk Areas	SBM, Storm Surge Barrier	IFF, Deployable Flood Barrier
IFF Reduced Risk Areas	SBM, Tide Gate	IFF, Elevated Promenade
ALT3b Features/Measures	RRF, Berm	IFF, Floodwall
SBM, Deployable Flood Barrier	RRF, Bulkhead	IFF, Levee
SBM, Floodwall	RRF, Deployable Flood Barrier	IFF, Reinforced Dune
SBM, Floodwall	RRF, Floodwall	IFF, Seawall
SBM, Levee	RRF, Navigable Gate	IFF, Storm Surge Barrier
	RRF, Revetment	IFF, Tide Gate

NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY

Alternative 3B - SSB/SBMs

Feature Name: Jamaica Bay

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0 10000 Feet

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Legend

ALT3b Features/Measures	RRF, Floodwall	NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY
SBM, Deployable Flood Barrier	RRF, Navigable Gate	Alternative 3B - RRFs
SBM, Floodwall	RRF, Revetment	New York RRFs
SBM, Levee	RRF, Road Raising	0 5000 Feet
RRF, Berm	ALT3b Reduced Risk Areas	
RRF, Bulkhead	SSB/SBM Reduced Risk Areas	U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT
RRF, Deployable Flood Barrier	RRF Reduced Risk Areas	

NEW YORK - NEW JERSEY HARBOR & TRIBUTARIES STUDY

Alternative 3B - RRFs

New York RRFs

0 5000 Feet

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**NYNJHATS Draft Report and EIS
Now Available Below**

Draft Report September 2022

The Draft Integrated Feasibility Report and Tier 1 Environmental Impact Statement is available for public review. The report summarizes the study planning process, technical analyses, and alternative plans - including the Tentatively Selected Plan.

The [NYNJHAT Study StoryMap](#) is an interactive platform with interactive web-based content, including interactive maps, animations, renderings, and summaries.

[Readers Guide](#)

[Draft Integrated Feasibility Report and Tier 1 Environmental Impact Statement](#)

Appendix A: Environmental

- [Sub-appendix A1: Endangered Species Act \(USFWS\)](#)
- [Sub-appendix A2: Endangered Species Act](#)

NY & NJ Harbor & Tributaries Focus Area Feasibility Study (HATS)



Coastal storms have severely impacted the North Atlantic Coast of the United States, including the New York-New Jersey Harbor region. In response to these storms, the US Army Corps of Engineers (Corps) is investigating measures to manage future flood risk in ways that support the long-term resilience and sustainability of the coastal ecosystem and surrounding communities, and reduce the economic costs and risks associated with flood and storm events. In support of this goal, the Corps completed the North Atlantic Coast Comprehensive Study, which identified nine high-risk, focus areas on the north Atlantic Coast for further in-depth analysis into potential coastal storm risk management measures. One of the nine areas identified was the New York-New Jersey Harbor and Tributaries study area.

Prior NY/NJ HATS Study Reports and Presentations

[Prior NY/NJ HATS Study Reports and Presentations](#)

Start Here





SCHEDULE



Action/Milestone	Date
Execute Feasibility Cost-Sharing Agreement (study start)	✓ 15 July 2016
Release Interim Report	✓ 19 February 2019
Public Meetings for Interim Report	✓ March - October 2019
Delay due to lack of Federal funding	✓ February 2020 – September 2021
Federal funding resumption	✓ October 2021
FCSA Amendment Execution	✓ 28 June 2022
Tentatively Selected Plan Milestone	✓ 26 July 2022
Release Draft Integrated Feasibility Report and Tier 1 EIS	✓ Late September 2022 (90+ day review period)
Public Meetings for Draft Report	October – December 2022 (virtual in October, in person at locations TBD in November-December)
Public Comment Closing Date	January 6, 2023
Agency Decision Milestone	April 2023
Submit Final Integrated Feasibility Report and Tier 1 EIS	January 2024*
Chief of Engineer’s Report Approval	June 2024*

* Schedule may be revised due to actual federal funding resumption shift in 2022



IN SUMMARY



- Draft NY & NJ Harbor and Tributaries Coastal Storm Risk Management Feasibility Report and integrated Tier 1 Environmental Impact Statement has been released for public review
- **Tentatively Selected Plan is Alternative 3B**
- Study has EXTENDED Public and Agency Review Period through remainder of calendar year
- Public Meetings
 - Virtual in October & early November (October 24th 10:00-12:00, October 27th 6:00-8:00 PM, and November 5th 10:00-12:00)
 - In-Person Meetings at multiple locations around the vast study area in November and December (locations, dates and times will be posted on website listed below)
- Public Comment Period Closes January 6, 2023 (but there will be future opportunities also for public engagement and comment)
- The Draft Report and meeting updates are and will be posted to website:
www.nan.usace.army.mil/nynjhats
- USACE has also posted an Interactive Story Map Portal for interactive viewing of Tentatively Selected Plan and the other alternatives (<https://hats-cenan.hub.arcgis.com/>)
- Considerable work remains to be done on the study
- Future study work will be informed and focused on issues raised by public and other agencies



QUESTIONS?