

NEW YORK – NEW JERSEY HARBOR AND TRIBUTARIES (NYNJHAT) COASTAL STORM RISK MANAGEMENT FEASIBILITY STUDY

Hudson River Estuary Management Advisory Committee

March 15, 2018

U.S. Army Corps of Engineers, New York District

New Jersey Department of Environmental Protection

New York State Department of Environmental Conservation in
partnership with the New York City Office of Recovery and Resiliency

*“The views, opinions and findings contained
in this report are those of the author(s) and
should not be construed as an official
Department of the Army position, policy or
decision, unless so designated by other
official documentation.”*



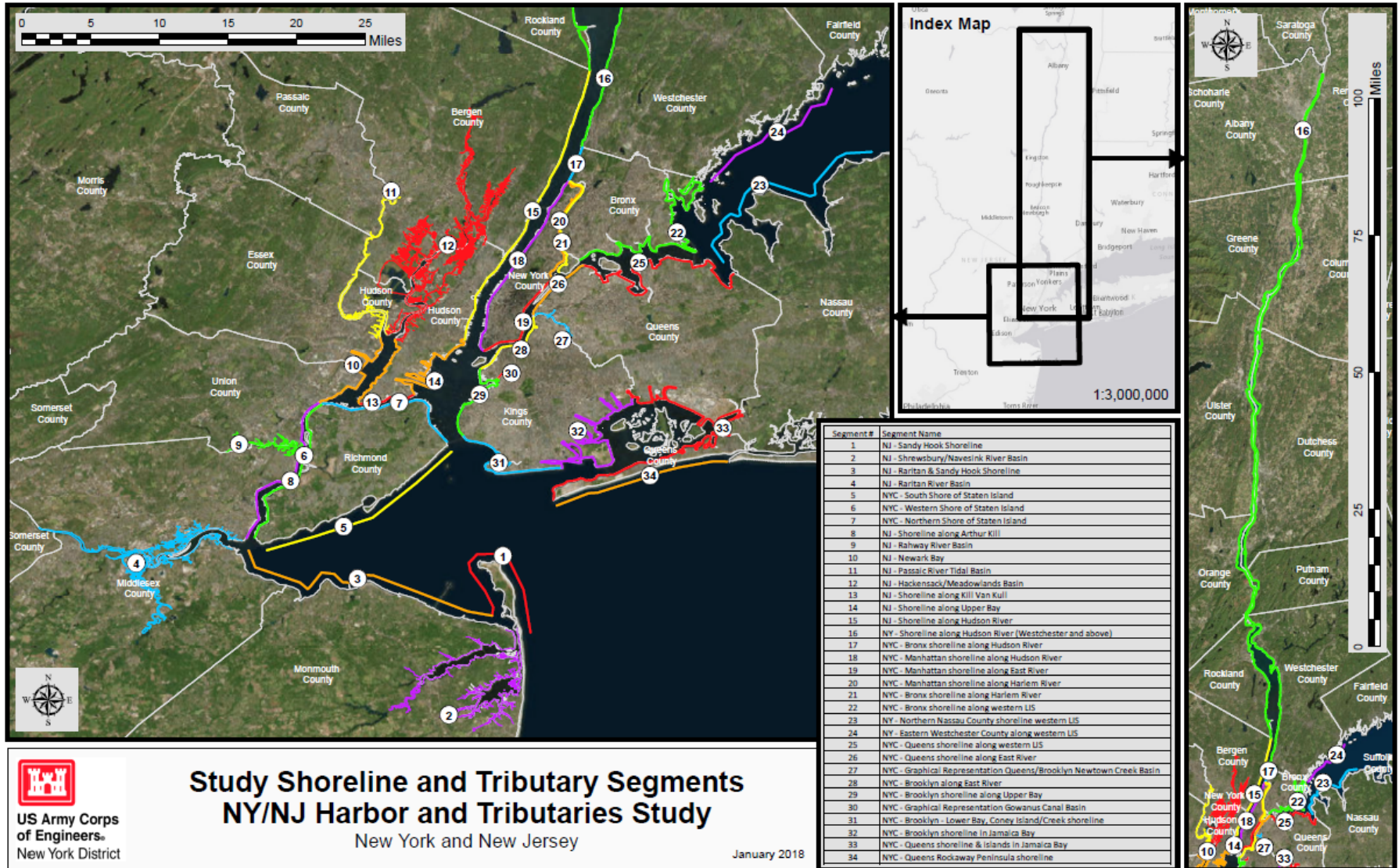
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NY-NJ HARBOR AND TRIBUTARIES STUDY AREA




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Study Shoreline and Tributary Segments NY/NJ Harbor and Tributaries Study

New York and New Jersey

January 2018



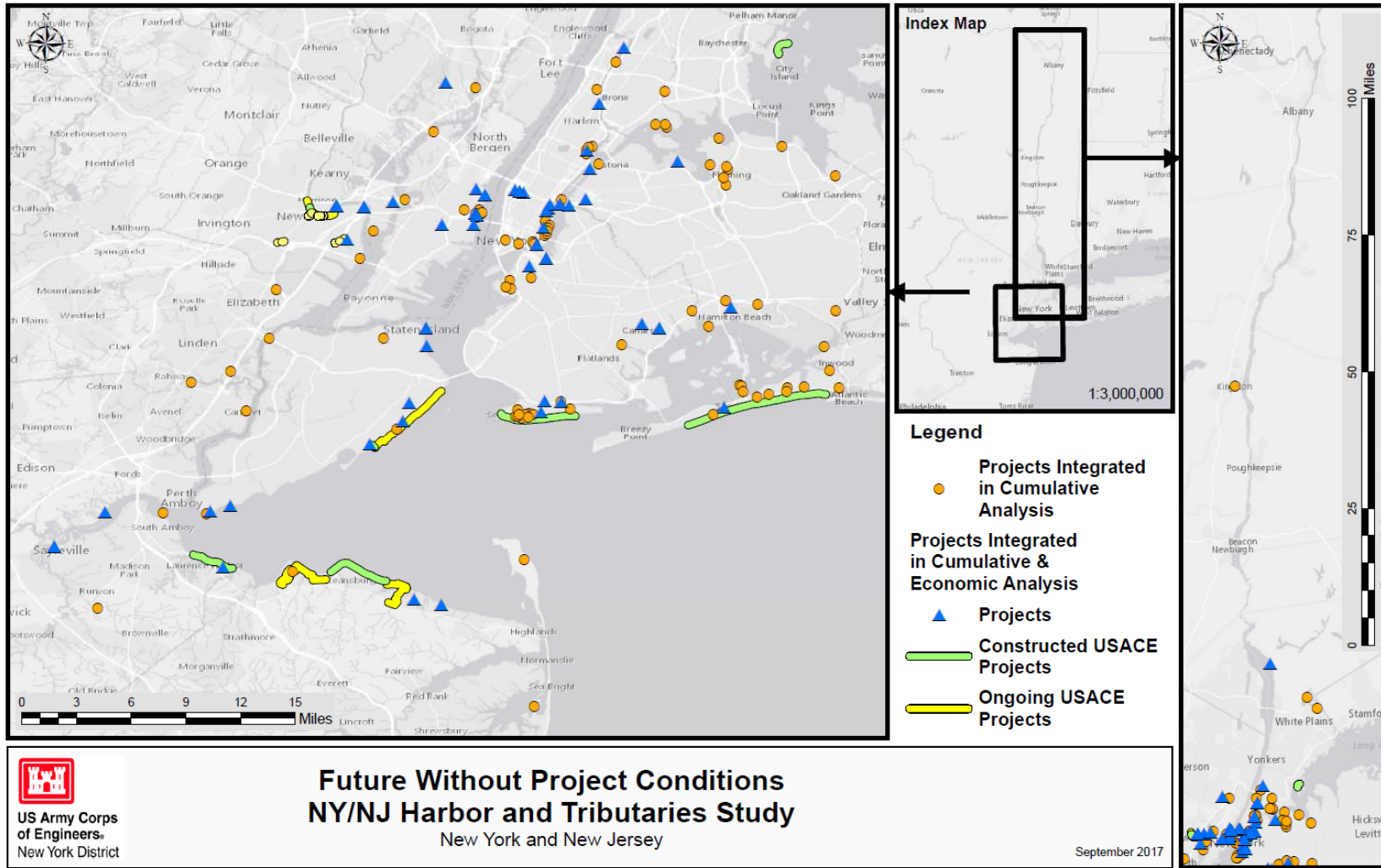
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EXISTING AND ASSUMED PROJECTS FOR FWOP



ARRAY OF ALTERNATIVES

All alternatives will be combinations of structural and nonstructural measures, and natural and nature-based features. Names refer to key features.

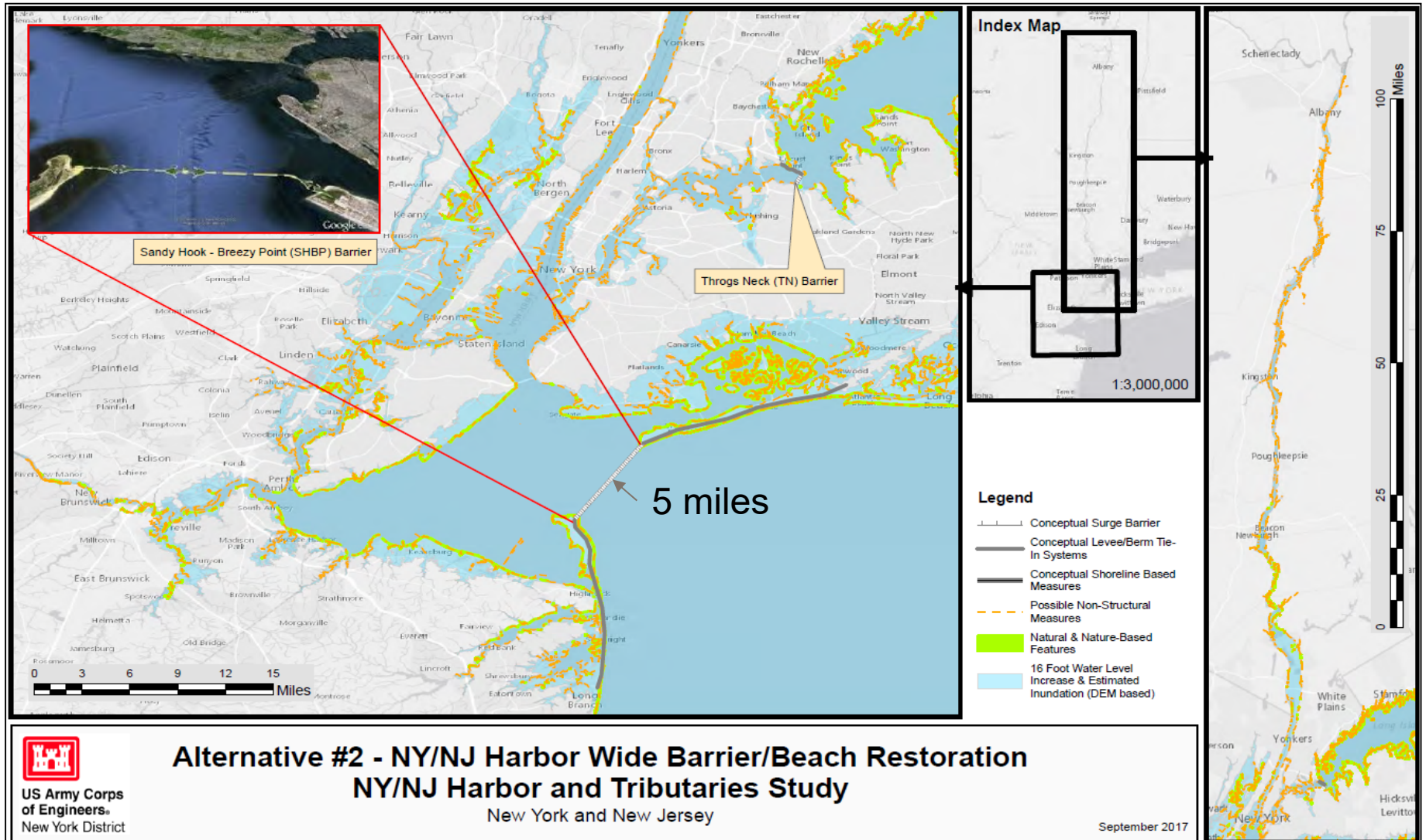
- Alternative 1: No Action
- Alternative 2: NY/NJ Outer Harbor Barrier
- Alternative 3A/3B: Multiple Barriers and Floodwalls & Levee Systems
- Alternative 4: Solitary Bay and River Basin Barriers, Floodwalls & Levees
- Alternative 5: Perimeter Only



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ALT 2: NY/NJ OUTER HARBOR BARRIER



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Alternative #2 - NY/NJ Harbor Wide Barrier/Beach Restoration NY/NJ Harbor and Tributaries Study New York and New Jersey

September 2017



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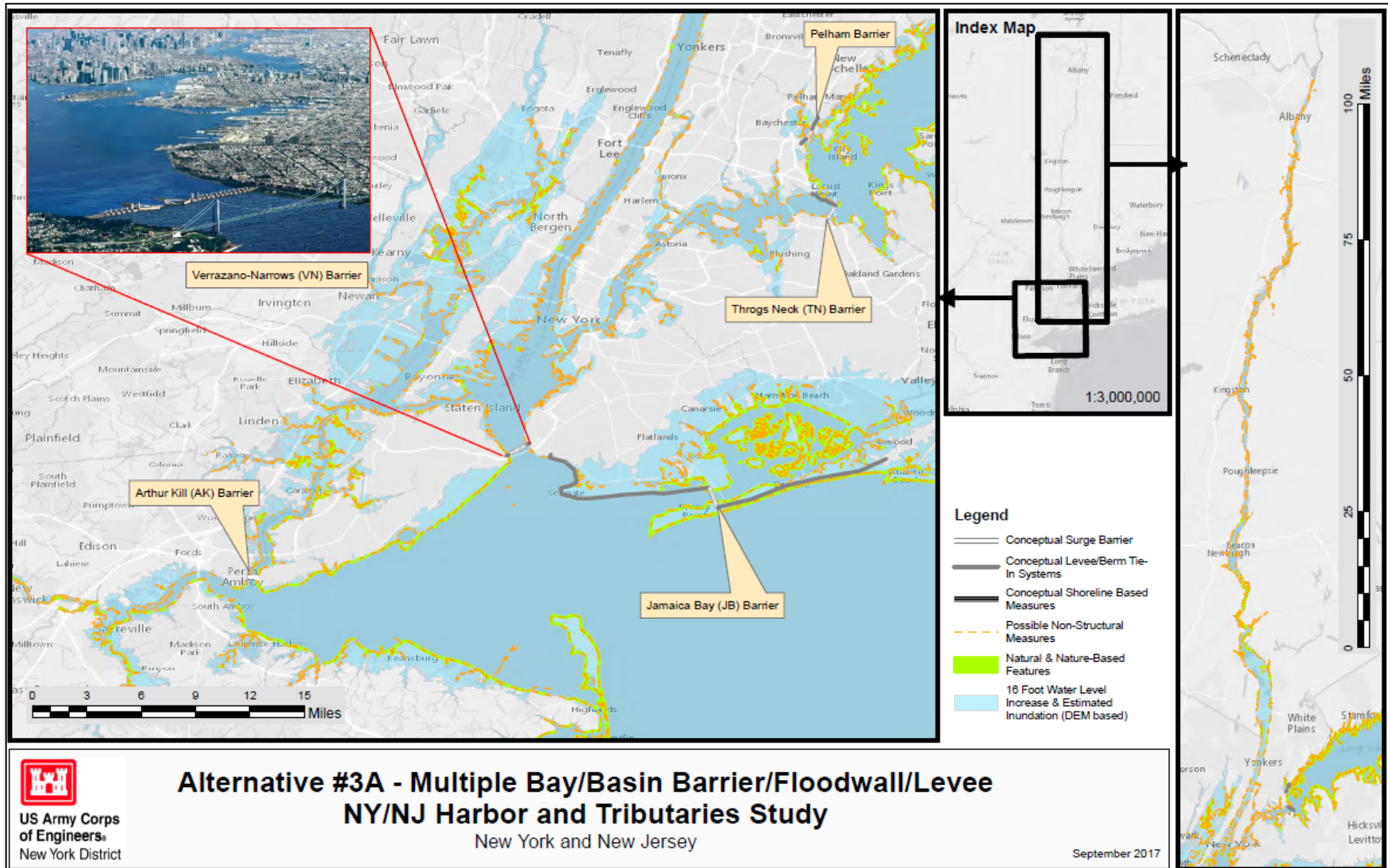
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ALT. 3A: MULTIPLE BARRIERS & FLOODWALLS/LEVEES

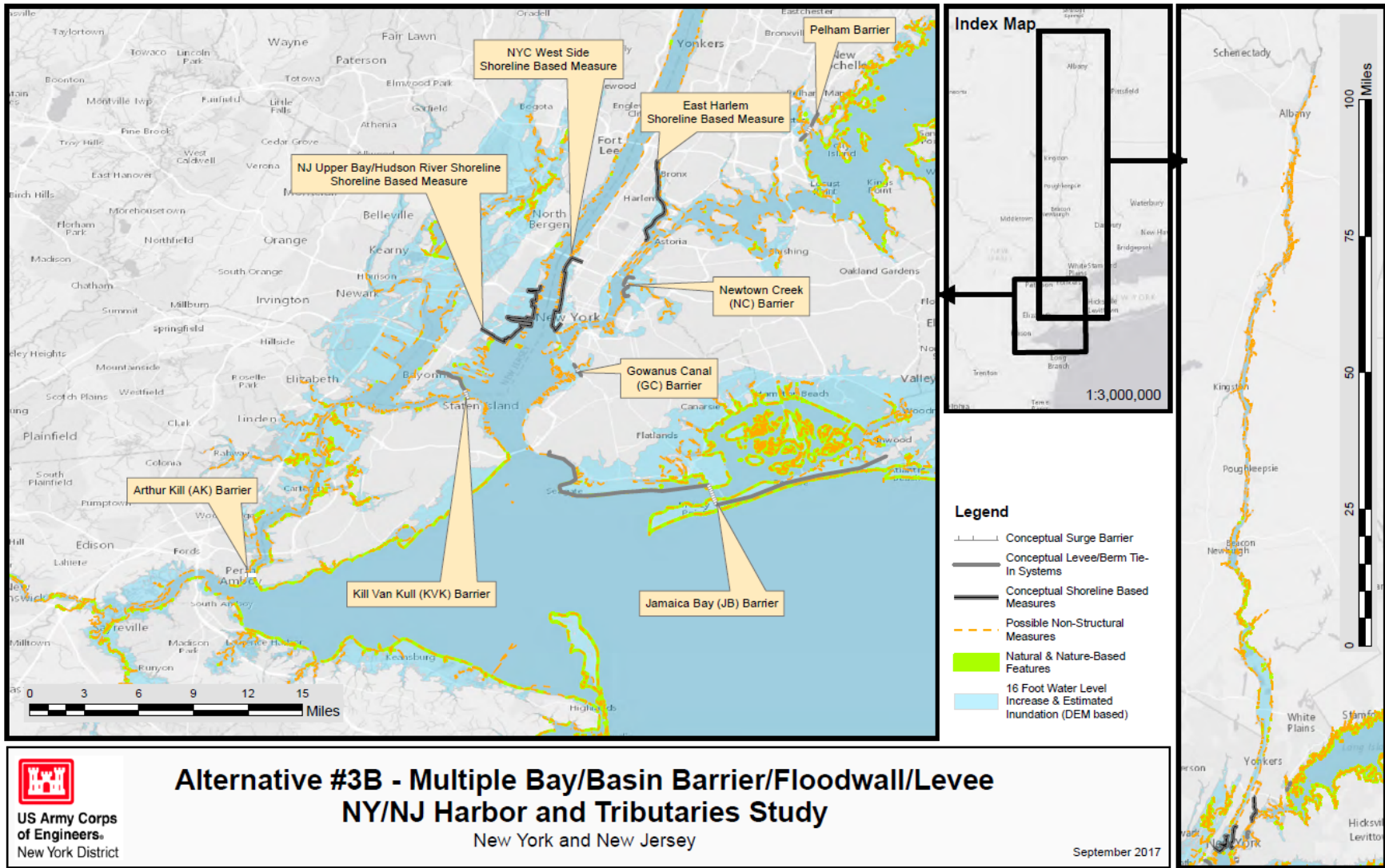


Alternative #3A - Multiple Bay/Basin Barrier/Floodwall/Levee
NY/NJ Harbor and Tributaries Study
 New York and New Jersey

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ALT. 3B: MULTIPLE BARRIERS & FLOODWALLS/LEVEES



Alternative #3B - Multiple Bay/Basin Barrier/Floodwall/Levee
NY/NJ Harbor and Tributaries Study
 New York and New Jersey

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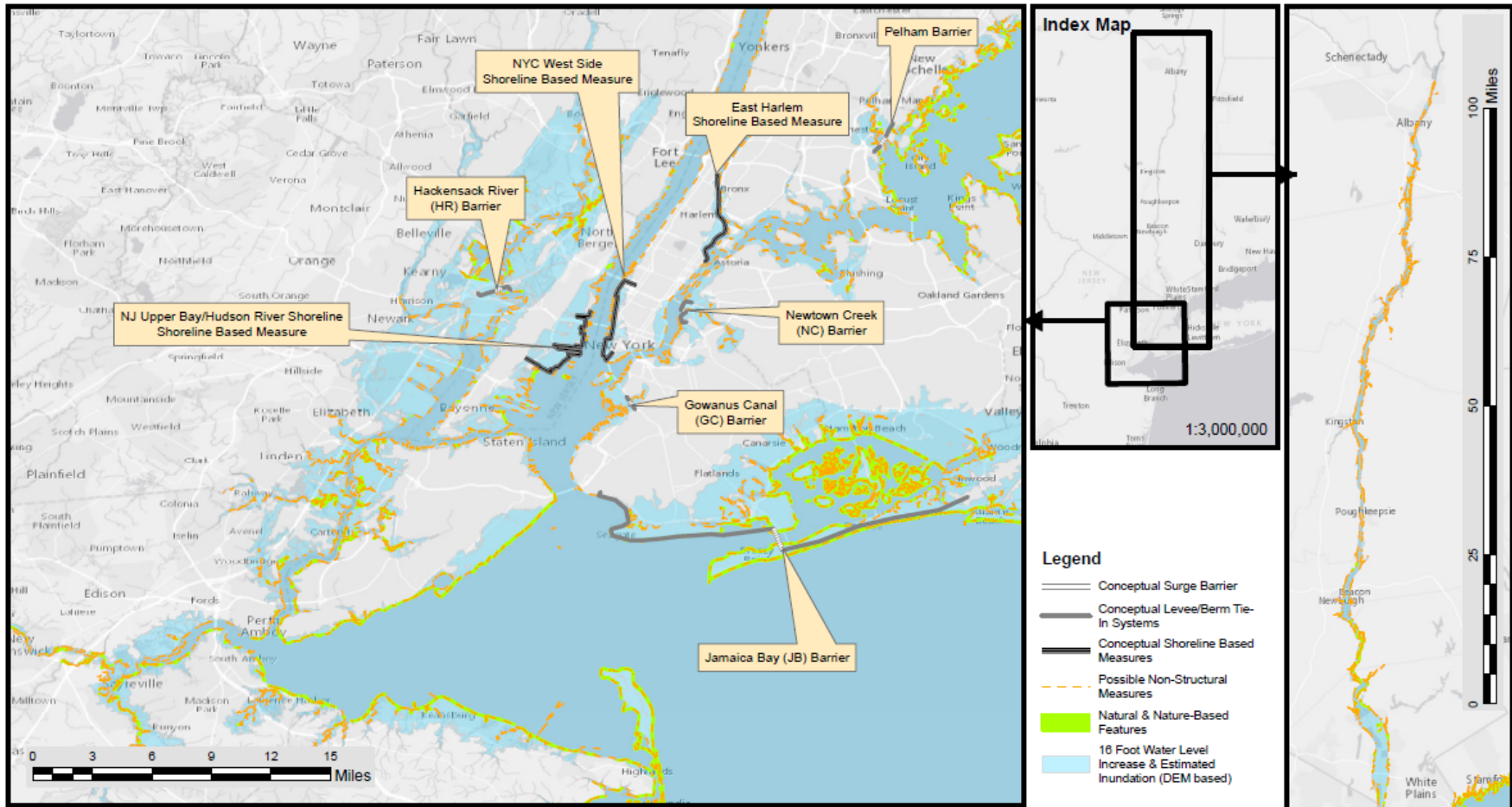


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ALT. 4: SOLITARY BARRIER & FLOODWALLS/LEVEES



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Alternative #4 -Solitary Bay and River Basin Barriers/Floodwalls/Levees NY/NJ Harbor and Tributaries Study

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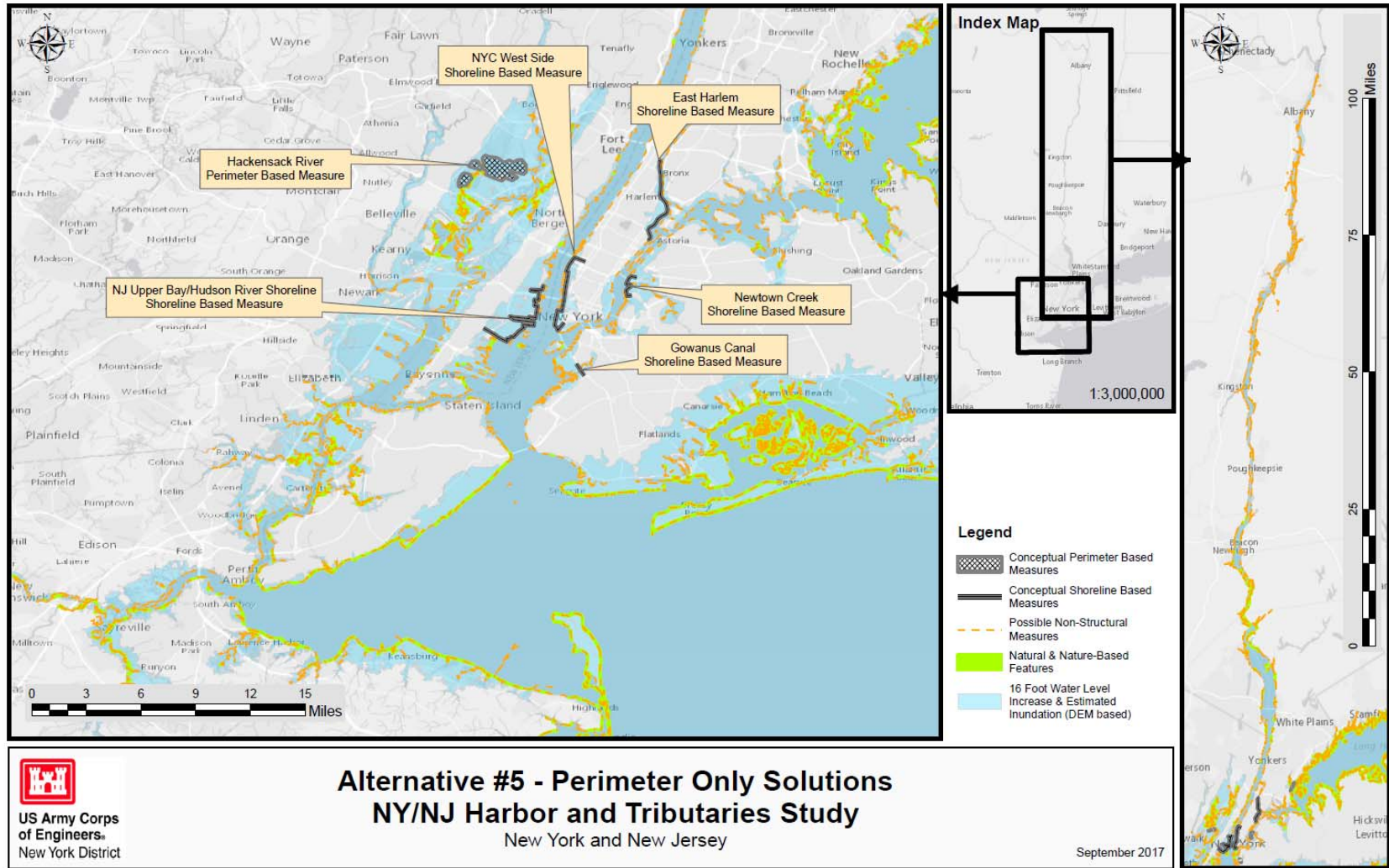


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ALT. 5: PERIMETER ONLY



SCHEDULE AND PROGRESS

Milestone	Start	End	Product	Study Progress (% Complete)
Start to Alternatives Milestone (AMM)	July 2016	Sep 2017	Agency Workshop Summary	10
AMM to Tentatively Selected Plan (TSP)	Sep 2017	Jun 2018	Preliminary Draft Report (Sep 2018)	30
TSP to Agency Decision Milestone (ADM)	Jun 2018	July 2020	Draft Report (Mar 2020)	85
ADM to Final Report	July 2020	Mar 2021	Final Report (Mar 2021)	95
Final Report to Chief's Report	Mar 2021	Jul 2022	Chief's Report	100



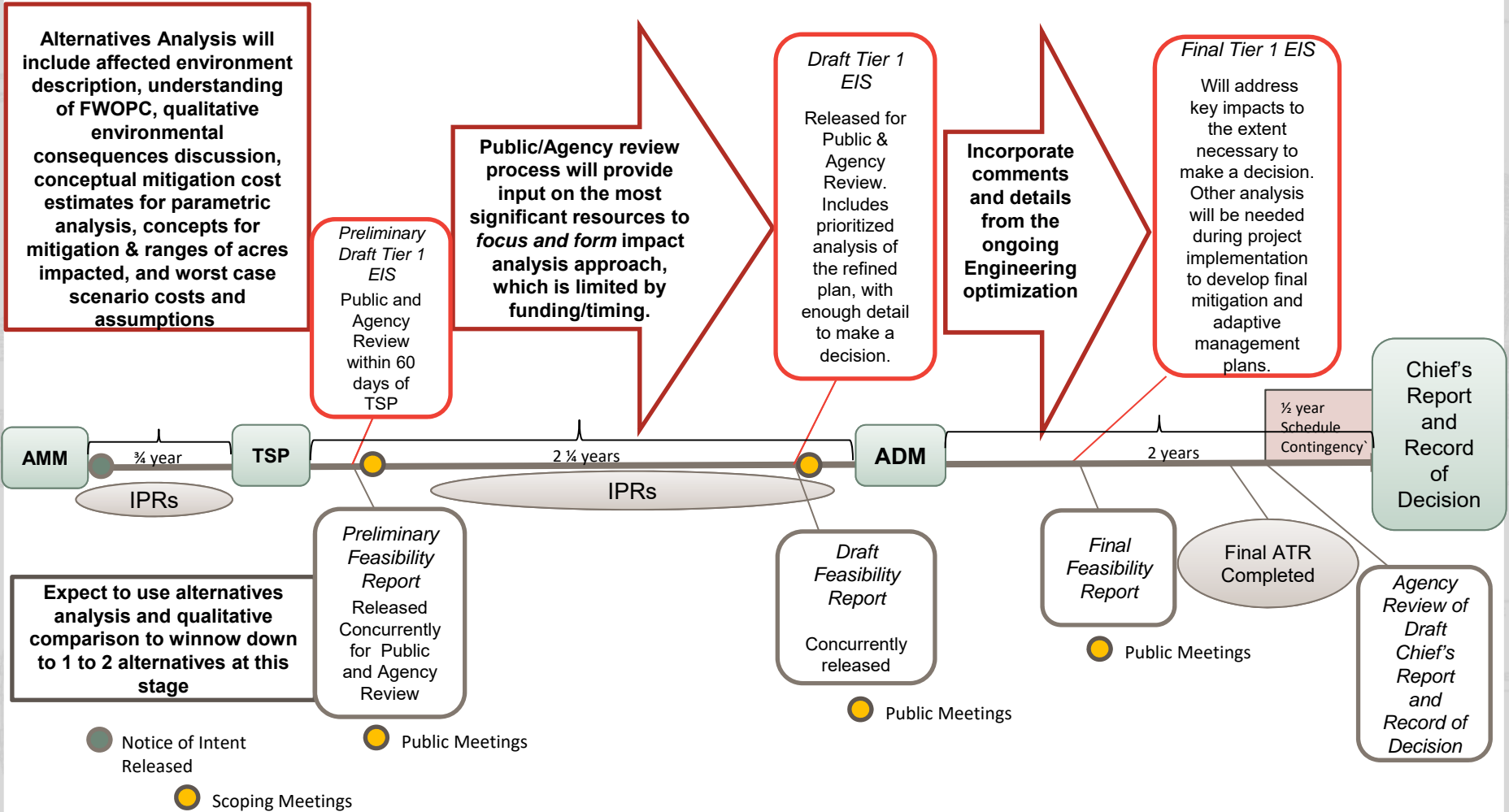
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PROPOSED NEPA TIMELINE FOR NYNJHATS



PUBLIC PARTICIPATION & STAKEHOLDER ENGAGEMENT¹²

Product/Event	Description	Public Participation	Example
NEPA Scoping Meeting	Alternatives to be discussed	Feedback on alternatives	Existing information and resources for USACE to consider, assumptions about FWOP projects
Preliminary Draft Report/Preliminary Draft Tiered EIS*	Ranking of best performing alternatives, based on parametric analysis. Anticipate 1 or 2 candidates for TSP	Public meetings, Formal comments on preliminary draft report	Feedback on USACE assumptions, ID questions to include in refined analysis, ways to quantify environmental impacts
Draft Report/Draft Tiered EIS	Refined analysis (BCR, net benefits) to support recommendation of one TSP	Public meetings, Formal comments on draft report	Comments on how the TSP will affect resources and communities
Final Report/Final Tiered EIS	TSP is optimized to Recommended Plan	Public feedback needed for Non-Federal letter of support	Public meeting feedback on Recommended Plan
Chief's Report	Report to Congress for authorization		

*Preliminary draft reports are the "public/stakeholder" mechanism for additional input to define the alternative formulation path.



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