



NY-NJ HARBOR AND TRIBUTARIES STUDY

ALTERNATIVE 3A

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

**U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT**

Legend

- Study Area
- Coastal Storm Risk Management (CSRM) Shoreline Based Measures (SBM) Alternative 3A
- CSRM Induced Flooding-Mitigation Features (IFF) Alternative 3A
- CSRM Risk Reduction Features (RRF) Alternative 3A
- CSRM Reduced Risk with Project Alternative 3A (area directly benefited)
- Residual Risk with Project Alternative 3A (area not benefited)

To learn more about the features and measures in this alternative and others in greater detail please visit the study's Story Map using this QR code.

**87.1% of the Study Area
at Direct Risk Benefited**

Feature Type	Approx. Miles
Storm Surge Barriers	3.7
Shoreline Based Measures	22.7
Induced Flooding-Mitigation Features	51.5
Risk Reduction Features (N/A)	27.1

Alternative	
First Cost (\$B):	\$76.9
Total Present Value Cost (\$B):	\$95.7
Estimated Construction Duration (years):	24

**All features and measures
are subject to change**