

US ARMY CORPS OF ENGINEERS NEW JERSEY BACK BAYS FEASIBILITY STUDY

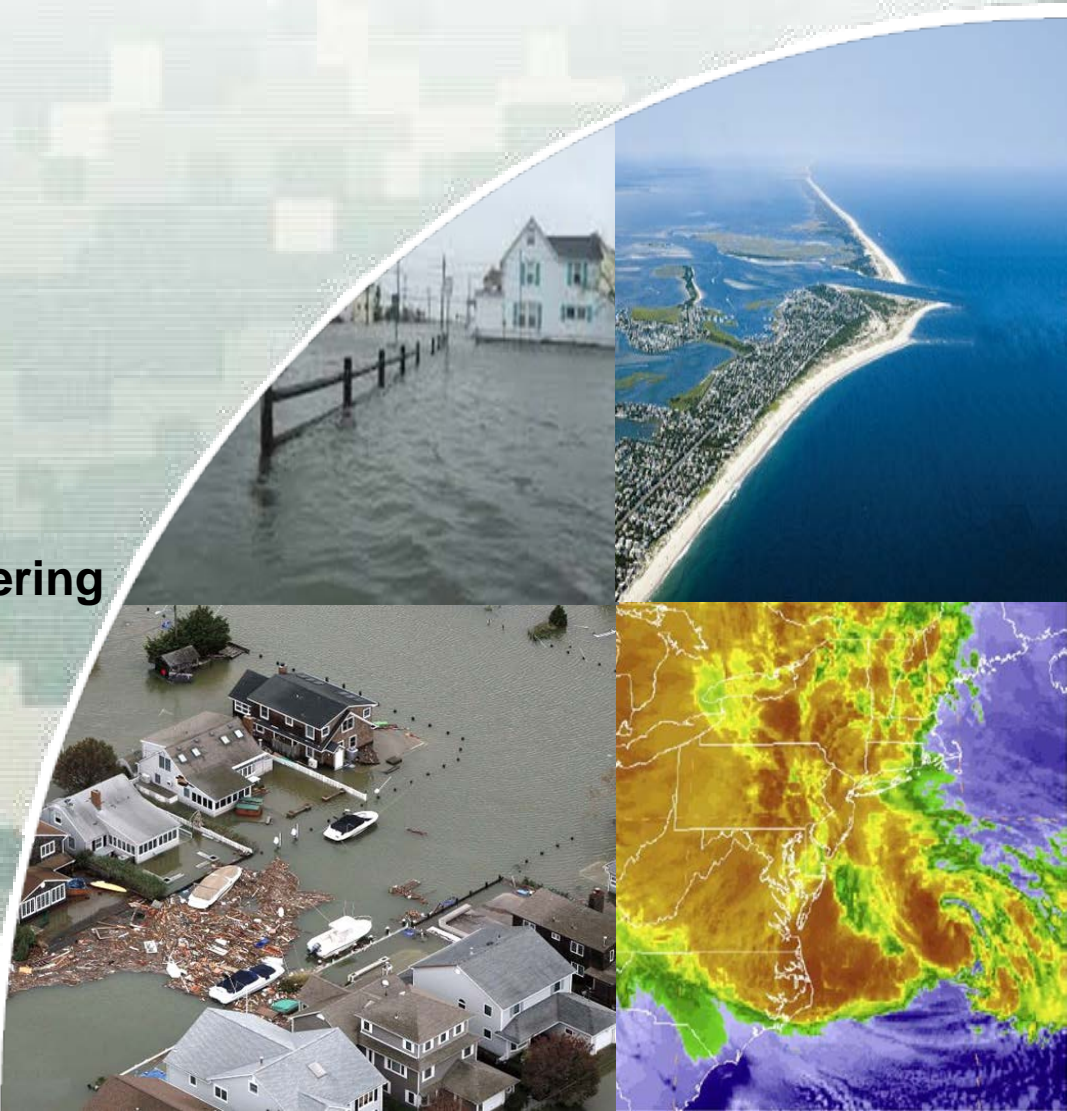
Public Meeting

Stockton University
December 1, 2016

USACE Philadelphia District,
NJDEP Bureau of Coastal Engineering



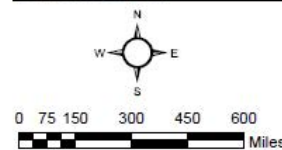
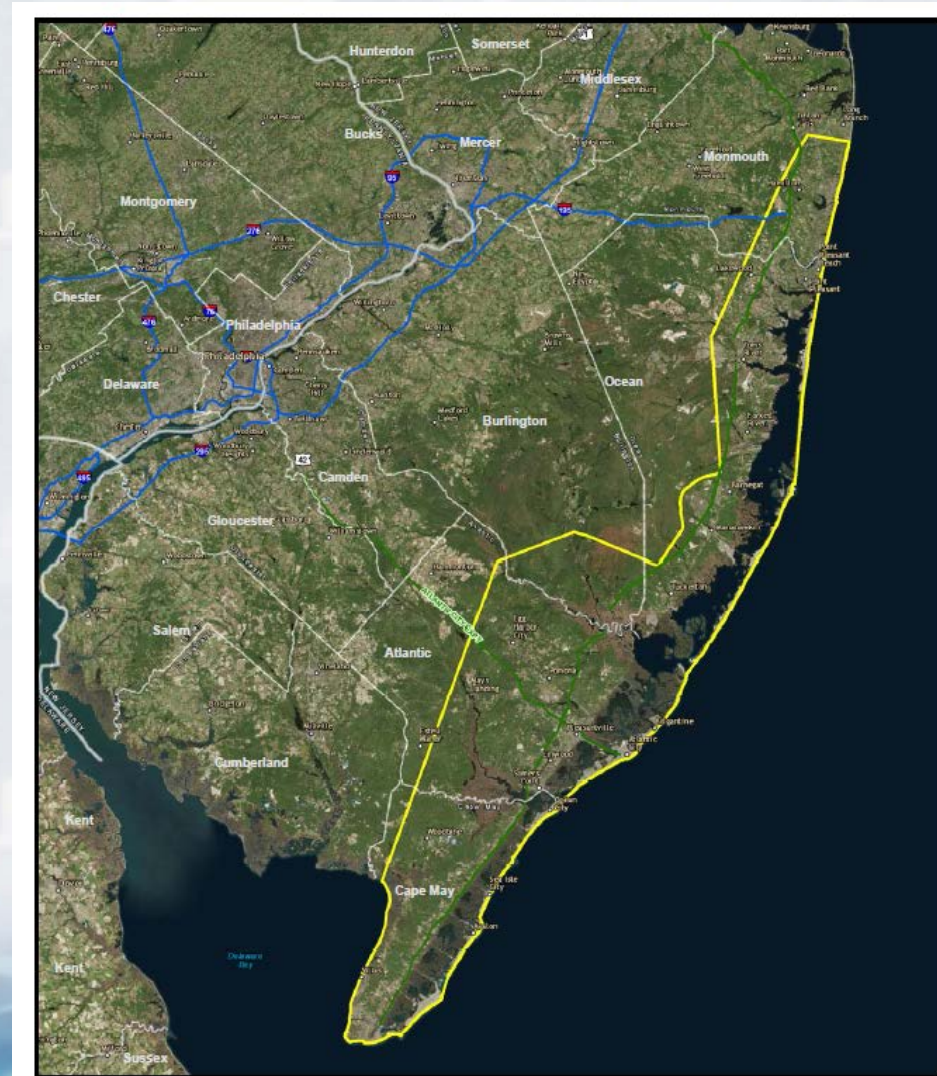
US Army Corps of Engineers
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New Jersey Back Bays CSRM Feasibility Study

Study Overview

- Sandy Comprehensive Study Focus Area
- Coastal Flooding and Sea Level Rise Risk Management
- Army Corps/NJDEP Agreement Executed April 2016
- Three-Year Study Length



New Jersey Back Bays

- Interstate Expressways
- New Jersey Expressways
- NJ Back Bays Study Area



New Jersey Back Bays CSRM Feasibility Study

Study Specifics

- Hurricane Sandy Impacts
- Flood Risk Management Feasibility Study
 - NEPA Compliance
- Comprehensive System-Wide Solutions
- Scaled, Incremental Opportunities
- Agency and Stakeholder Alignment
- Public Involvement



NEW JERSEY BACK BAYS FLOOD RISK MANAGEMENT FEASIBILITY STUDY

STUDY OVERVIEW

Study Area

- The New Jersey Back Bays study area encompasses five counties, 89 municipalities, approximately 950 square miles of land and water and nearly 3500 miles of coastline.



Study Area outlined in yellow

Study Premise

- The region experienced major impacts and devastation during Hurricane Sandy and subsequent coastal events owing to the low elevation areas and highly developed residential and commercial infrastructure along the back bays coastline.

Study Purpose

- Investigate coastal flooding problems and solutions to reduce damages that affect population, critical infrastructure, critical facilities, property, and ecosystems.
- Assess the feasibility of implementing system-wide solutions such as structural, non-structural, natural and nature-based features, and policy/programmatic strategies.
- Implement comprehensive coastal flooding strategies to increase resilience and to reduce risk from future storms and impacts of sea level change (SLC).

Study Result

- Feasibility report with integrated NEPA compliance documentation recommending phased and scaled flood risk management design and construction opportunities.
- Alignment with broader climate change adaptation, community resilience planning, and sustainability principles towards a shared climate change adaptation vision for the region amongst the USACE and stakeholders.
- Recommendations for non-USACE entities including floodplain management, Community Rating System, and hurricane evacuation plan enhancement opportunities

How Will Public Input be Incorporated into the Study?

- Identify alternatives to be considered.
- Connect with stakeholders interested in participating.
- Determine new sources of data or information.

How Can Comments be provided to the Army Corps of Engineers?

- A written comment form may be filled out at this meeting and placed in the comment box.
- Comments may be emailed or mailed to:

U.S. Army Corps of Engineers
 Attn: Public Affairs Office
 100 Penn Square East
 Wanamaker Building, 7th Floor South
 Philadelphia, PA 19107

Email: PDPA-NAP@usace.army.mil

Phone Number 215-656-6500



U.S. Army Corps of Engineers
 Philadelphia District



NJDEP

New Jersey Back Bay Project Delivery Process

(Repeat initial five steps for each Tier 1, 2, and 3 Evaluations)



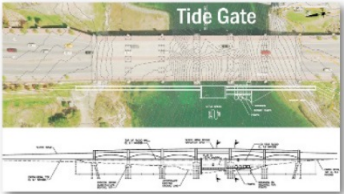
- Managing coastal storm risk is a **shared responsibility** and requires **shared tools** and a **common methodology** that all parties can follow together to address risk and identify solutions. This methodology is the **New Jersey Back Bays Project Delivery Process**.
- The Framework is a nine-step process that is **customizable** for any coastal watershed and is repeatable at regional, state and **local scales**.



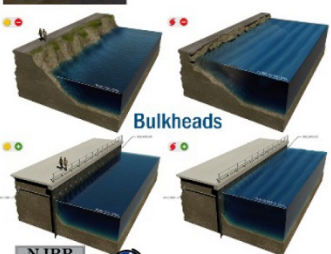
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MANAGEMENT MEASURES FOR CONSIDERATION

Structural



Deployable Floodwalls



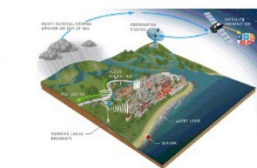
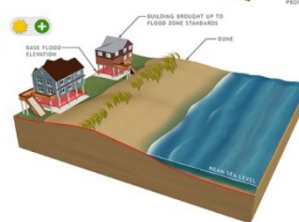
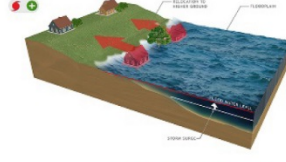
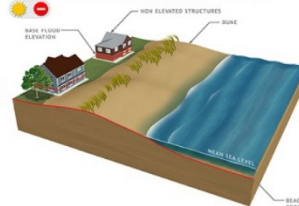
Non-structural



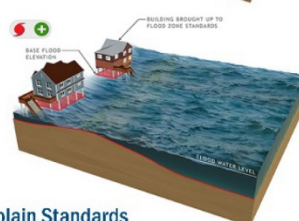
Relocation



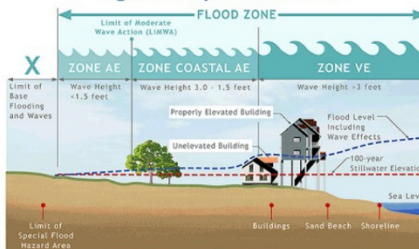
Elevation or Acquisition



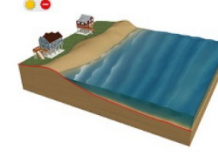
Enhanced Warning System



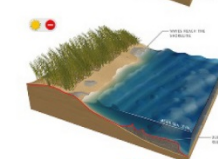
Higher Floodplain Standards



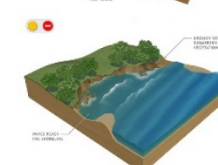
Natural and Nature-based



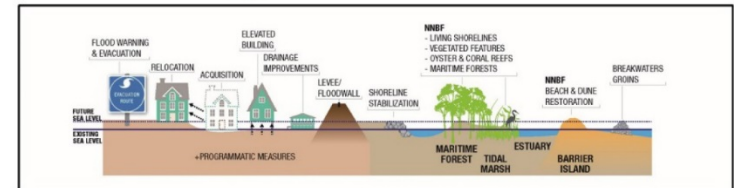
Beach Nourishment



Living Shoreline

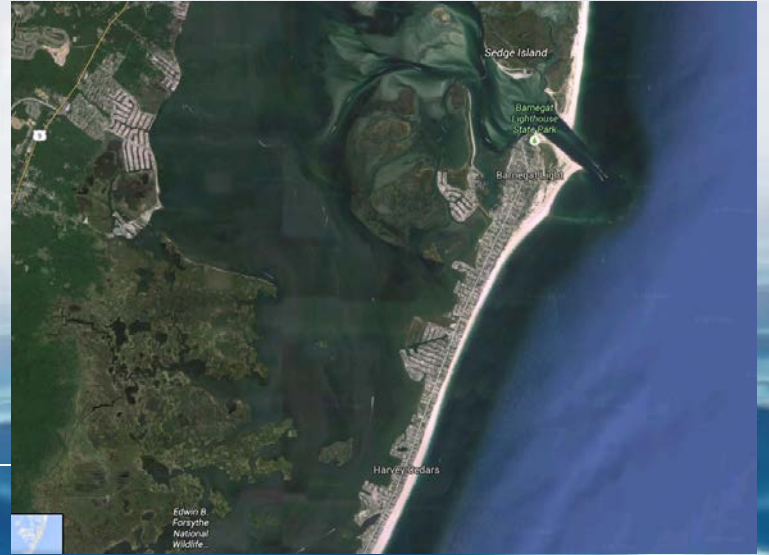
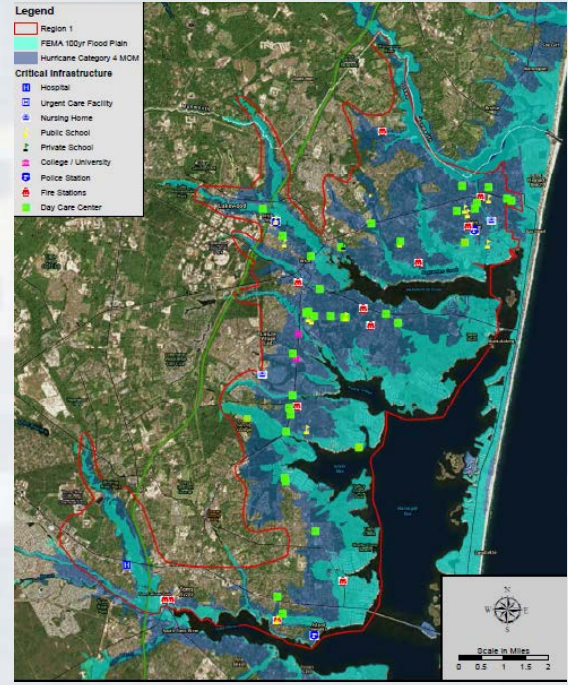


Wetland Restoration



Legend

- Study Area
- Nuisance Flood (+3.7ft NAVD88)
- Special Flood Hazard Area (SFHA FEMA 100yr)



Please complete the Coastal Flooding Problem Identification Form and leave your comments as you depart or email them to **PDPA-NAP@usace.army.mil**

U.S. Army Corps of Engineers
New Jersey Back Bays
Coastal Storm Risk Management Study
Coastal Flooding Problem Identification
(Leave forms at Table 3, or e-mail to PDPA-NAP@USACE.ARMY.MIL)

Contact Information (OPTIONAL):

LOCATION (Describe the location of the problem)

PROBLEM (Define the problem)

CONSTRAINTS (Discuss any universal, study-specific or legal/policy constraints):

SUGGESTED SOLUTION: (Discuss any management measures which may be implemented):



Public Meeting Feedback Questionnaire

For the following areas, please indicate your rating:

A. Content	1 Fair	2	3	4 Excellent
Covered relevant material				
Practical to my needs and interests				
Organization				
Pace and duration				
Effective activities and presentations				
Useful visual aids and hand-outs				

B. How could this meeting be improved?

C. What were the most positive aspects of the meeting?

E. Any other comments or suggestions?

F. Overall, how would you rate this meeting?
 POOR FAIR GOOD EXCELLENT

G. Name/Affiliation (optional):

