

BALTIMORE METROPOLITAN WATER RESOURCES – COASTAL FLOODING, MD

Adaptation and Response Workgroup

Andrew Roach, USACE, Baltimore District

May 22, 2017

“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.”



**US Army Corps
of Engineers**
Baltimore District



U.S. ARMY

AGENDA

- Introductions and Overview
- Background and Status
- Goal and Path Forward
- Key Considerations
- Study Timeframe
- Questions and Discussion
- Next Steps
- Contacts



US Army Corps
of Engineers
Baltimore District



BACKGROUND AND STATUS

The Baltimore metro area was identified in the North Atlantic Coast Comprehensive Study (NACCS) as an area warranting further analysis:

- NACCS completed in January 2015
 - <http://www.nad.usace.army.mil/CompStudy.aspx>
- Nine focus areas warranting further analysis by USACE
 - Four studies currently underway
- Opportunity for USACE to use existing authority to investigate flooding problems in the Baltimore metro area (limited to the extent of coastal inundation to retain link to NACCS)
 - Baltimore Metropolitan Water Resources – Patapsco Urban River Restoration Initiative (PURRI) authority:

That the Board of Engineers for Rivers and Harbors, is requested to review the report of the Chief of Engineers on the Baltimore Metropolitan Area, Maryland, published as House Document 589, Eighty-seventh Congress, Second Session, and the reports of the Chief of Engineers on Baltimore Harbor and Channels, Maryland, and Virginia, published as House Document 181, Ninety-fourth Congress, First Session, and House Document 86, Eighty-fifth Congress, First Session, and other pertinent reports, to determine whether modifications of the recommendations contained therein are advisable at the present time, in the interest of flood control, hurricane protection, navigation, erosion, sedimentation, fish and wildlife, water quality, environmental restoration, recreation, and other related purposes.

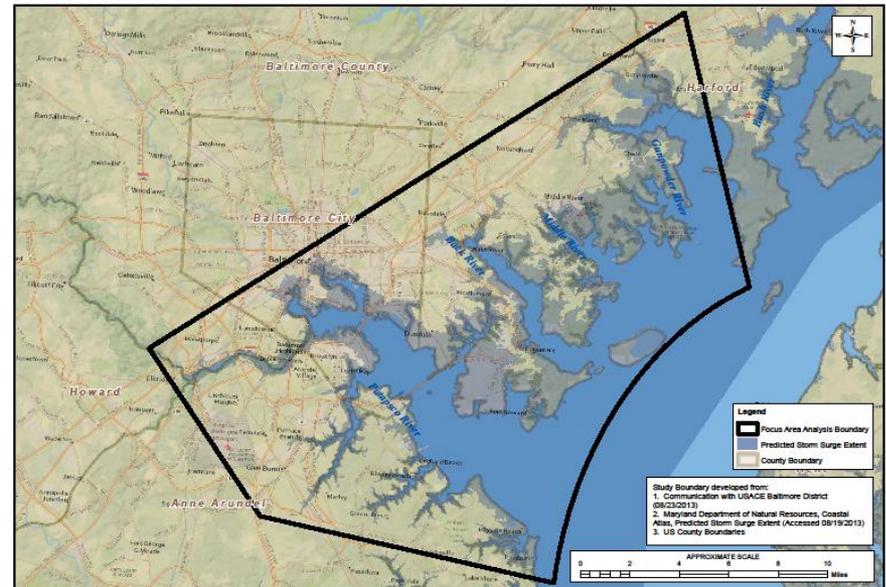


US Army Corps
of Engineers
Baltimore District



BACKGROUND AND STATUS (CONT.)

- MD DNR submitted a letter of intent dated May 1, 2017, to serve as the non-federal sponsor for the subject investigation
 - Required for federal budgetary actions for possible FY18 funding
- Additional cost-sharing partners will be required
- Study Purpose: Coastal Storm Risk Management



US Army Corps
of Engineers
Baltimore District



GOAL AND PATH FORWARD

Coordinate scope outline with possible cost-sharing stakeholders and then execute the agreement with MD DNR:

- What is it we want to accomplish?
- Overarching vision and characterization of flood risk management and resilience within the region
 - Future conditions forecast related to climate and sea level change scenarios
- Comprehensive assessment of ongoing actions
- Regional vulnerability assessment
 - Critical infrastructure and vulnerable populations
- Gaps in evaluations and actions
- What agencies can do to fill gaps
 - USACE Recommendation?
 - Hazard mitigation planning



US Army Corps
of Engineers
Baltimore District



KEY CONSIDERATIONS

Key Considerations:

- Multiple stakeholders and cost-sharing sponsors would be required
- Assume three years and \$3M study, cost-shared 50-50-percent federal and non-federal
 - Non-federal costs can include in-kind services
- Coordination and utilize existing forums for collaborative actions

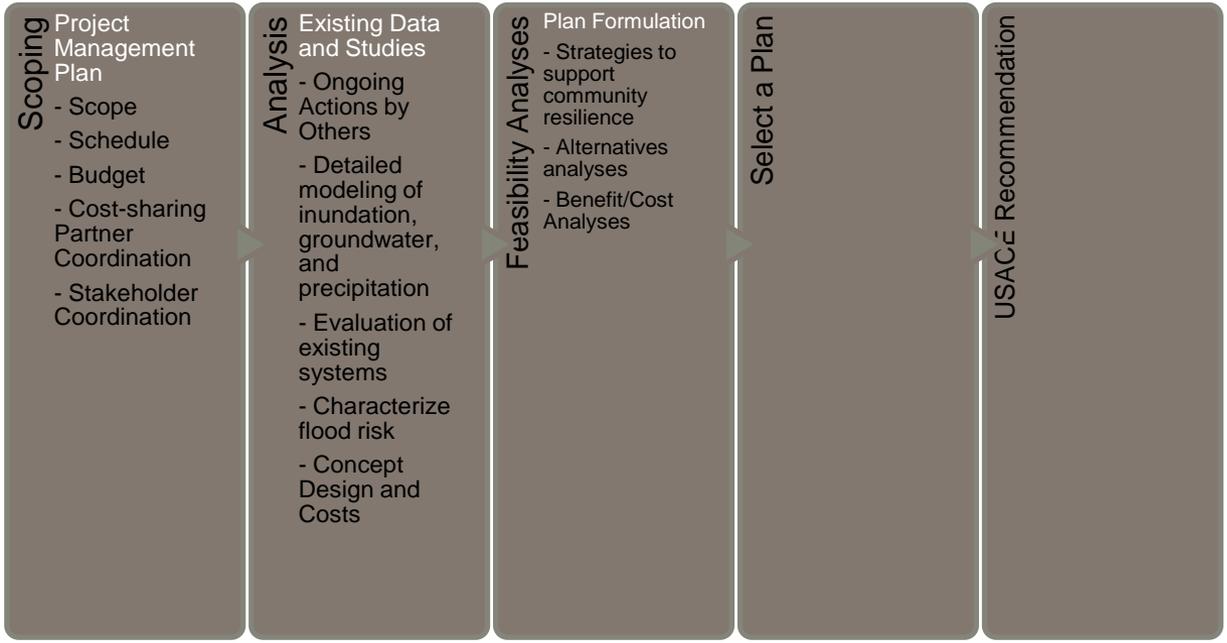
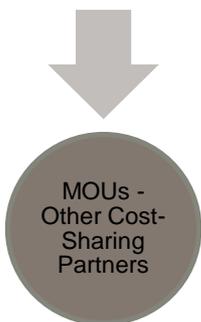
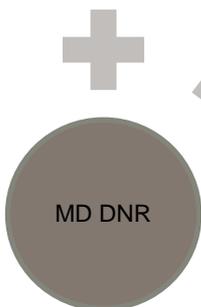
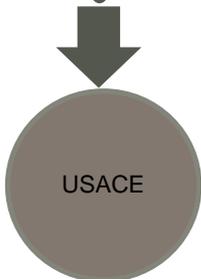


US Army Corps
of Engineers
Baltimore District



STUDY TIMEFRAME

WE ARE HERE



US Army Corps of Engineers
Baltimore District



QUESTIONS AND DISCUSSION

Items for discussion:

- Need and purpose
- Overarching vision of flood risk management and resilience within the region
- Interest and capability
- Funding
- Ongoing actions to consider
- Gaps in evaluations and actions
- What agencies can do to fill gaps
 - USACE Recommendation?



US Army Corps
of Engineers
Baltimore District



CONTACTS

Andrew Roach,
Andrew.A.Roach@usace.army.mil,
(410) 962-8156

Dave Robbins,
David.W.Robbins@usace.army.mil,
(410) 962-0685



US Army Corps
of Engineers
Baltimore District

