



FEMA

Westchester County, NY Discovery Kickoff Meeting

August 1, 2013

RiskMAP

Increasing Resilience Together



Who's Involved

- **Project Team**

- FEMA
 - Paul Weberg
- RAMPP
 - Andrew Martin
 - Jeff Gangai
 - Robyn Boyd
 - Bhavin Gandhi

- **State partners and officials**

- NYS Department of Environmental Conservation
 - William Nechamen
 - Kelli Higgins-Roche

Purpose of This Meeting

- **Provide an overview of Discovery process**
- **Data collection and identify data needs**
- **Identify path forward for Stakeholder involvement**
- **Solicit input and feedback on local issues and concerns**

Risk MAP Program Overview

■ Risk MAP

- Mapping – Flood hazard and risk identification
- Assessment – Risk assessment tools
- Planning – Hazard mitigation planning



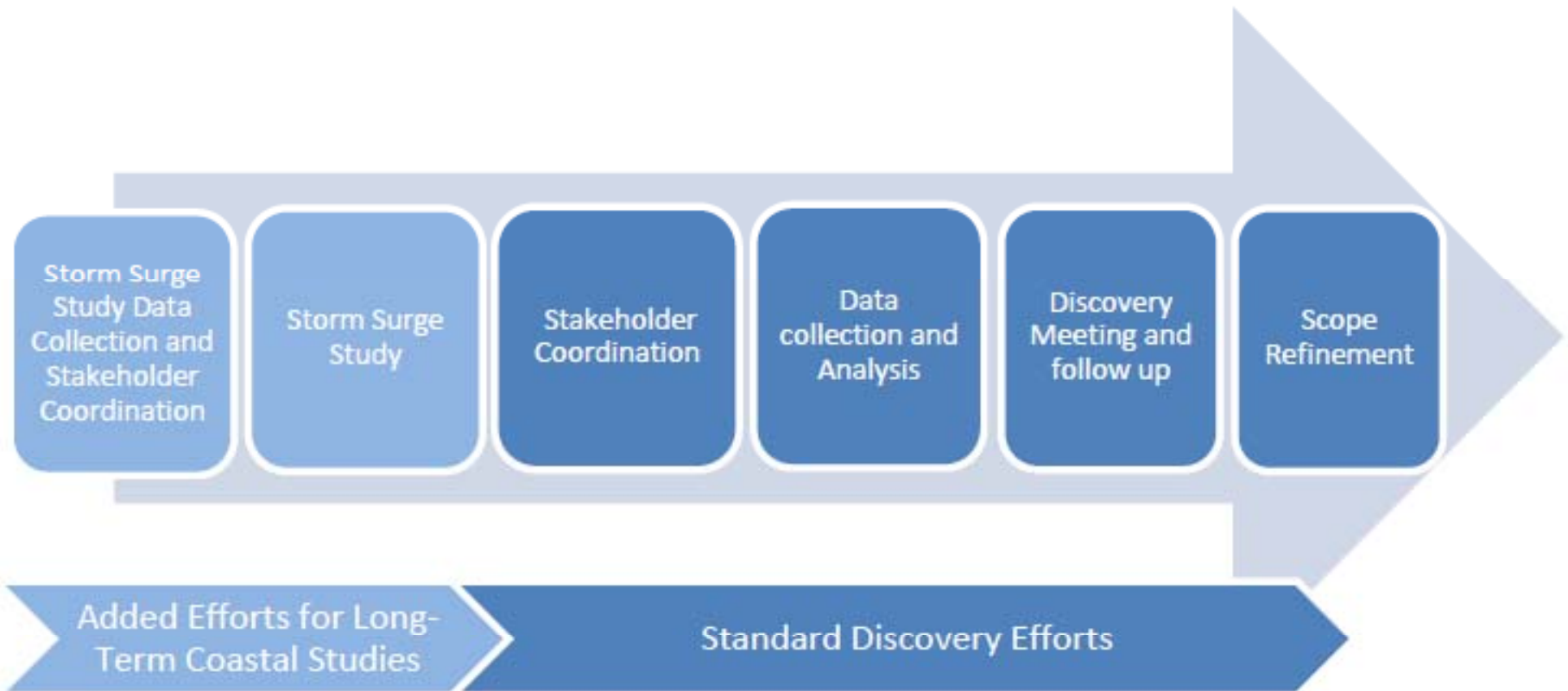
■ Risk MAP Vision

- Deliver quality data
- Increase public awareness of flood risk
- Encourage local/regional actions that reduce risk

Discovery Process Overview

- **Discovery is the process of data mining, collection, and analysis with the goal of initiating a flood risk or mitigation project or risk discussions, which includes:**
 - **Data**
 - Historical flooding information
 - Existing flood hazard data
 - Mitigation activities and strategies
 - Hazard risk assessments, for example, vulnerable assets
 - **Collaboration**
 - Communities
 - Regional planning entities
 - Non-governmental organizations
 - State agencies
 - Other Federal agencies
 - **Hazard Mitigation**
 - Use new Risk MAP information to update your Hazard Mitigation Plan
 - Communities minimize exposure of people and property to risk by planning for and mitigating against natural disasters

Discovery Process Overview



Study Area

■ Westchester County

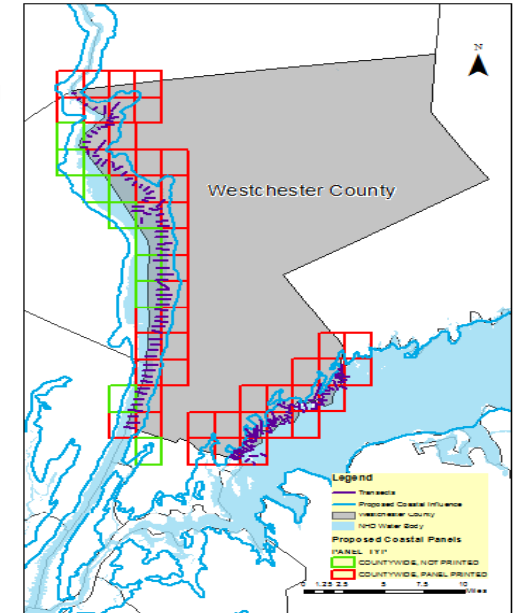
• 25 Communities

- | | | |
|-----------------------------------|------------------------------|--------------------------------|
| ▪ MOUNT VERNON, CITY OF | NEW ROCHELLE, CITY OF | PEEKSKILL, CITY OF |
| ▪ RYE, CITY OF | YONKER, CITY OF | CORTLANDT, TOWN OF |
| ▪ MAMARONECK, TOWN OF | MOUNT PLEASANT, TOWN OF | NEW CASTLE, TOWN OF |
| ▪ OSSINING, TOWN OF | BRIARCLIFF MANOR, VILLAGE OF | BUCHANAN, VILLAGE OF |
| ▪ CROTON-ON-HUDSON,
VILLAGE OF | DOBBS FERRY, VILLAGE OF | HASTINGS-ON-HUDSON, VILLAGE OF |
| ▪ IRVINGTON, VILLAGE OF | LARCHMONT, VILLAGE OF | MAMARONECK, VILLAGE OF |
| ▪ OSSINING, VILLAGE OF | PELHAM, VILLAGE OF | PELAHM MANOR, VILLAGE OF |
| ▪ PORT CHESTER, VILLAGE OF | SLEEPY HOLLOW, VILLAGE OF | TARRYTOWN, VILLAGE OF |

- 70 miles of shoreline (Long Island Sound and Hudson River)
- 48 FIRM panels

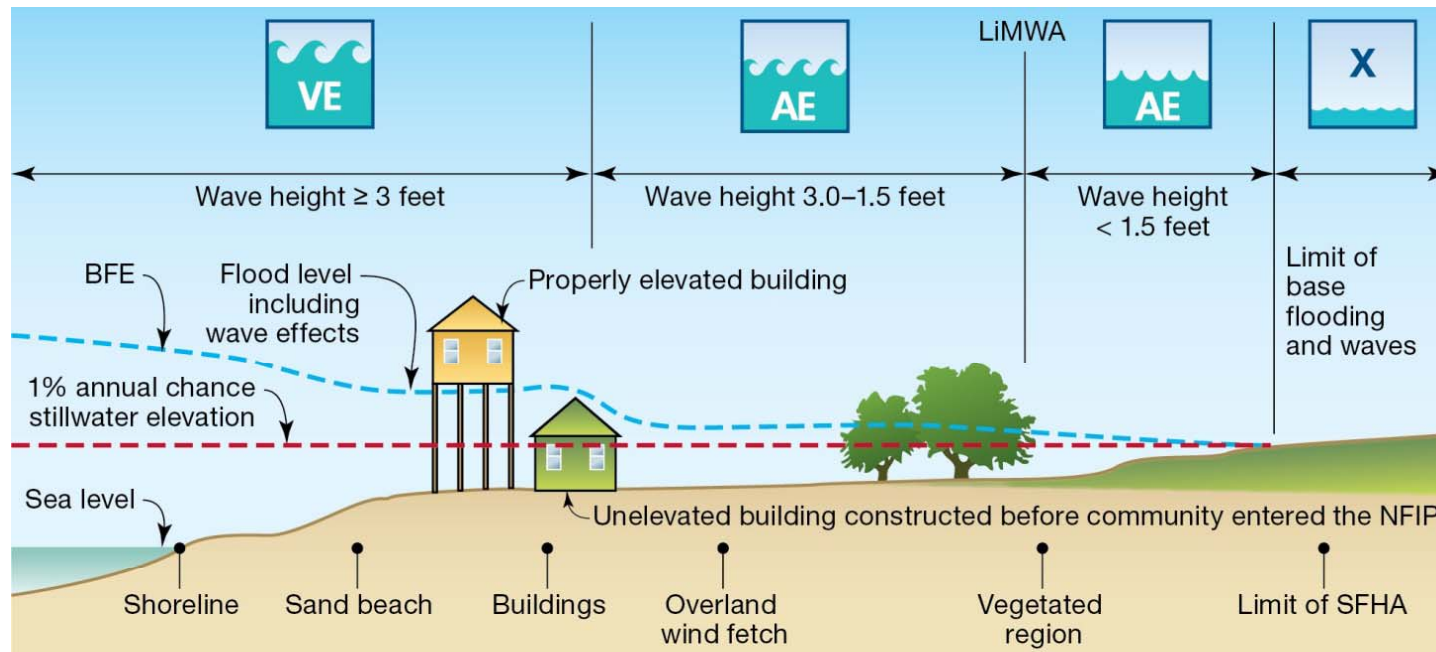
■ Sandy - Advisory Base Flood Elevation Maps

- Recovery
- Approximate Coastal Analysis





New Detailed Coastal Analysis

- Same base 1% surge levels as used in the Sandy Advisory Maps
- Detailed assessment and modeling of wave conditions
- Detailed modeling of wave runup
- Coastal hazard mapping based on detailed modeling



Data Questionnaire

- Data Questionnaire to request:
 - **Base Map Data**
 - **Coastal Data**
 - **Other Data**
 - **Historical Flood Data**
 - **Risk Assessment**
 - **Flood Mitigation Information**
 - **Community Plans and Projects**

Community Discovery Data Questionnaire

Thank you for taking the time to complete this questionnaire. It will provide important information to help FEMA understand flood risk issues in your community and your community's resilience to flooding through implementation of the RiskMAP program.

Once you have completed the questionnaire, please return it to:



Via e-mail: **RAMPP Contact's Email**
 Or by mail: **RAMPP Contact's Name**
RAMPP Address
City, State Zip

Please provide as much information as possible. If you have any questions or need assistance, please contact:

Name of RAMPP Contact, email address

Contact Information	
Community Organization	
Name:	
Title:	
Address:	
E-mail:	
Phone:	
Contact Preference	<input type="checkbox"/> Email <input type="checkbox"/> Phone

FEMA Regions II, III, and V
Lake Erie Discovery
Community Discovery Data Questionnaire

*Please check off the types of data you will provide by **insert data***

Base Map Data	Please select available data type	
Jurisdictional boundaries	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Federal Lands	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Public Own Lands	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Transportation	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Stream lines	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Orthophotography	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Topography (e.g., LIDAR, or contour data)	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Property information (e.g., Building footprints, parcel data, tax assessor's data)	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital

Coastal Data		
Bathymetry	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Coastal structures (e.g. seawalls, levees, jetties, groins, etc.)	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Wave and tide gauges	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Wind stations	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Locations of beach nourishment or dune restoration projects	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Erosion areas	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Proposed inland limit of the primary frontal dune, if present	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Coastal High Hazard Area	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital

Other Data		
Land use and soil data	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Stream geometry survey (esp. for those subject to coastal surge)	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Hydraulic structures (e.g., bridges, culverts, levees, dams) with inspection status, if available	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
Elevated roads	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital
High water marks	<input type="checkbox"/> Hard copy	<input type="checkbox"/> Digital

FEMA Regions II, III, and V
Lake Erie Discovery
Community Discovery Data Questionnaire

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Discovery Products and Results

■ Discovery Report

- Single, comprehensive report for all meetings
- Includes background information and data analysis, meeting agenda, sign-in sheets, discussion topics, decisions made, etc.

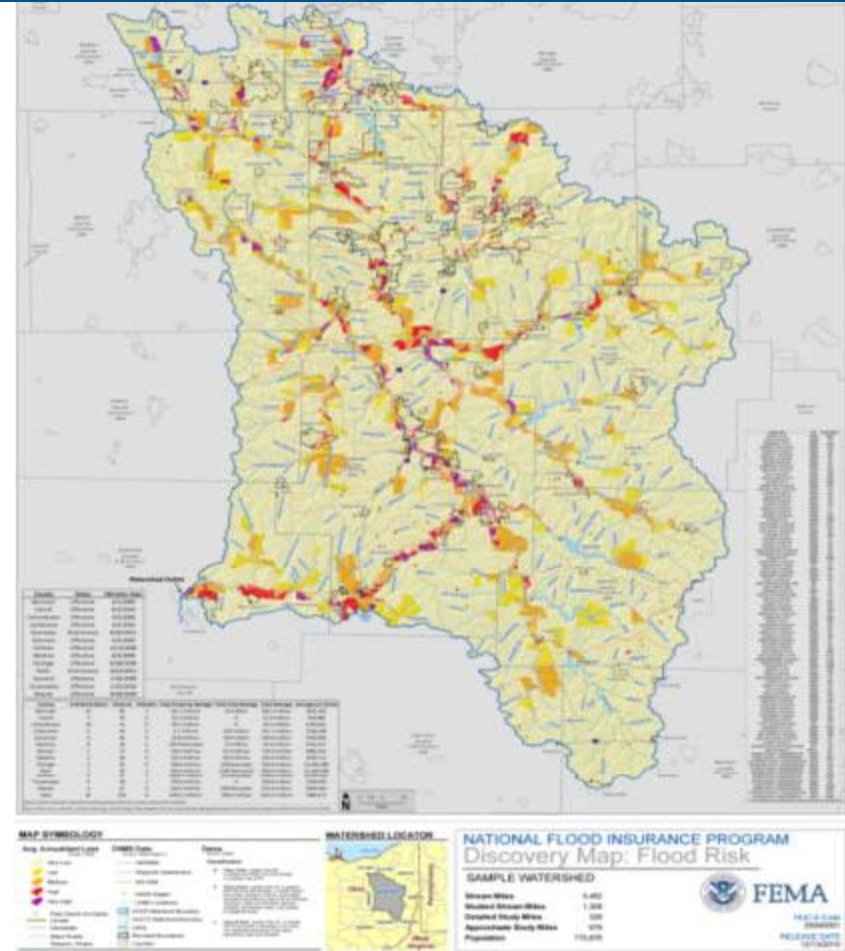
■ Discovery Maps

- Including feedback from participants
- Visual representation of meeting outcomes



The image shows the front cover of a Discovery Report form. It features a dark blue header with the title "Discovery Report" in white. Below the header, the form includes fields for "Watershed Name, Watershed Number", "County names", "Community names", "State(s)", and "Report Number 00". A date field "MMDD/YYYY" is also present. A note in a box states: "If community names do not fit on this front cover, please use the optional following page. If they do fit, then delete the following page." Below the form fields is the FEMA logo and the text "FEMA".

Discovery Map Examples



Project Schedule

- **Kickoff Meeting with Stakeholders – Today**
- **Research Available Data – In Progress**
 - Draft Transect Locations – Completed
- **Prepare draft Discovery Maps and Reports – August 2013**
- **Facilitate In Person Discovery Meetings – August 2013**
 - Data Worksheet
- **Final Discovery Report and Maps – October-November 2013**

Next Steps

- **We will provide:**

- Summary of Today's Meeting
 - Document discussions and outcomes
 - Action items

- **Work with you to:**

- Gather additional data, such as:
 - Locations of coastal structures, areas of recent or proposed development, and beach nourishment or dune restoration projects (see community survey)
- Verify community contacts to attend Discovery Meetings
 - Chief Executive Officers (i.e., Mayor, City Clerk)
 - Building, Zoning, and Planning Officials
 - Local Floodplain Administrators
 - City and County Engineers
 - Conservation Districts
 - Others
- Determine venue locations and dates for Discovery Meetings (August 28-29, 2013)
- Select agency representatives to attend Discovery Meetings

Contacts



Paul Weberg
paul.weberg@fema.dhs.gov
212.680.3638

Andrew Martin
amartin@dewberry.com
646.216.3677

Jeff Gangai
jgangai@dewberry.com
703.849.0251

Robyn Boyd
rboyd@dewberry.com
703.849.0611

William Nechamen
wsnecham@gw.dec.state.ny.us

Kelli Higgins-Roche
kahiggin@gw.dec.state.ny.us

Questions