

Discovery Report Appendix I

Pre-Discovery Stakeholder Meetings

Lake Erie – Headwaters to the Buffalo-Eighteenmile Watershed

HUC 04120103

Erie, Genesee, and Wyoming Counties, New York

June 2016



FEMA

Federal Emergency Management Agency
Department of Homeland Security
26 Federal Plaza
New York, NY



FEMA

Lake Erie Watershed Discovery Meeting

May 19-20, 2014

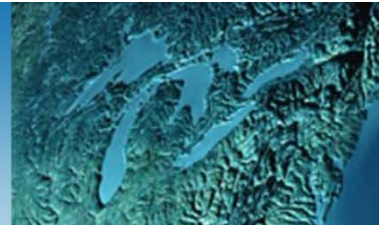
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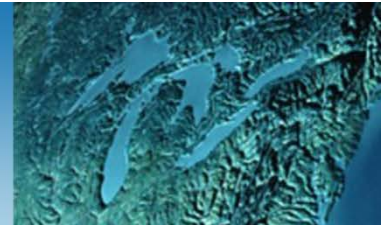
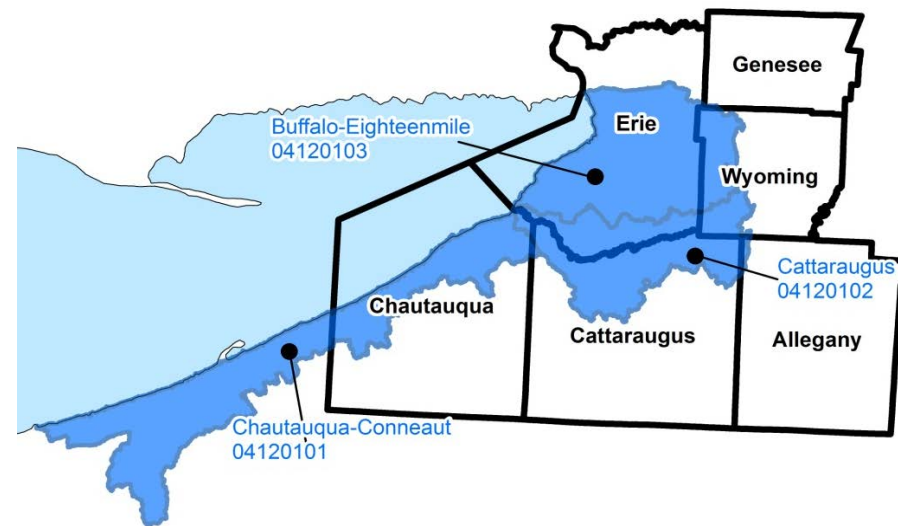
Who's Involved

■ Project Team

- FEMA
- RAMPP

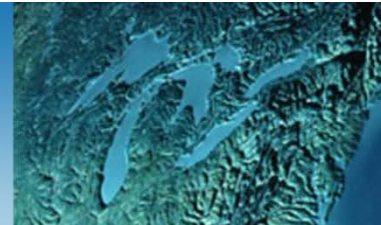
■ Federal, State and Local Partners

- NOAA Coastal Services Center
- USACE
- USGS
- NYSDEC
- Local and Regional Agencies



Purpose of This Meeting

- Provide an overview of the Project to date and schedule
- Overview of the ongoing Coastal Study
- Solicit input and feedback on local issues and concerns
- Identify path forward for Stakeholder involvement

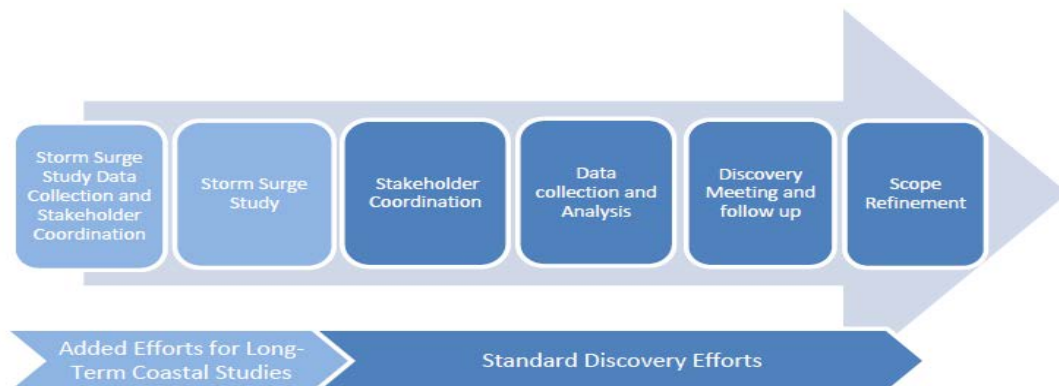


Discovery Process Overview



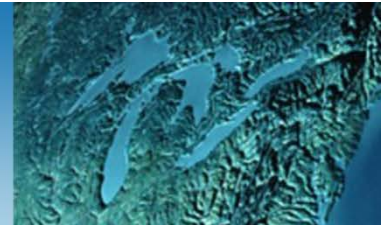
■ Discovery is a collaborative process for data collection and analysis with the goal of initiating flood risk discussion:

- Data and Projects
 - Historical flooding information
 - Existing flood hazard data
 - Areas of significant bluff erosion
 - Mitigation activities and strategies
 - Hazard risk assessments, for example, vulnerable assets
- Collaboration
 - Communities
 - Regional planning entities
 - Non-governmental organizations
 - State agencies
 - Other Federal agencies



Discovery and Flood Mapping

- **Discovery helps inform whether a Risk MAP project will occur in the watershed**
 - Specific areas are prioritized based on flood hazard study needs and available funding
 - Within watersheds studied, not all streams and communities will receive new studies or maps
- **All Risk MAP communities will receive updated flood risk assessments, but not necessarily new regulatory products**





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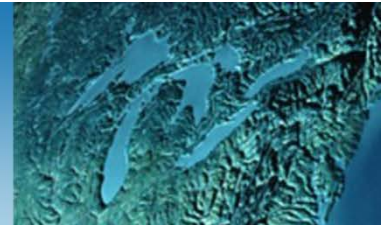
Discovery Results and Products

■ Final Discovery Reports by Watershed

- Comprehensive report for documenting discovery process
- Includes background information and data analysis, meeting agenda, sign-in sheets, discussion topics, decisions made, etc.

■ Final Discovery Maps

- Includes feedback from participants
- Visual representation of meeting outcomes





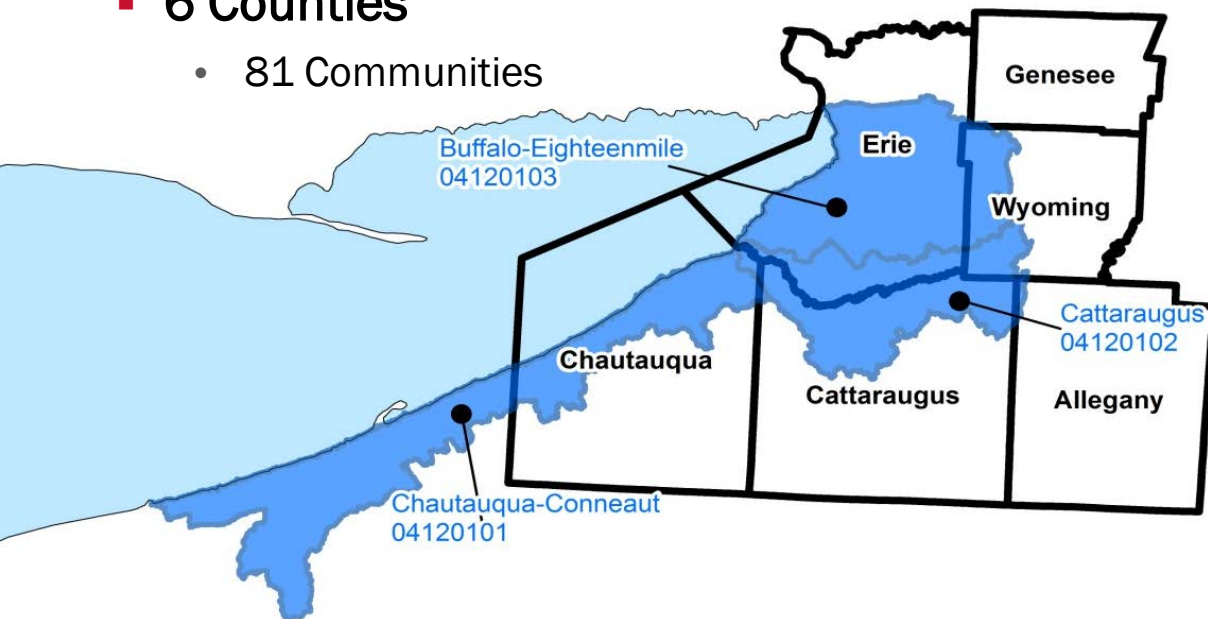
Study Area

■ 3 Watersheds

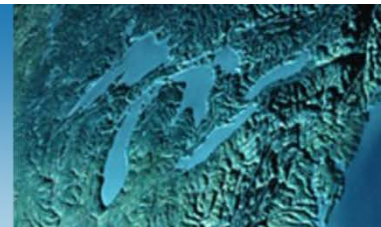
- Buffalo-Eighteen mile
- Cattaraugus
- Chautauqua-Conneaut

■ 6 Counties

- 81 Communities



County	Effective FIRM Date
Allegany	1983
Cattaraugus	Ranges 1982- 2008
Chautauqua	Ranges 1981 - 2003
Erie	Ranges 1976 -2008 Partial Countywide
Genesee	7/6/1984
Wyoming	Ranges 1982 - 1992

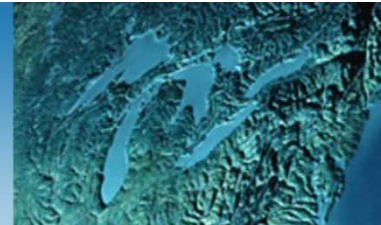




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Great Lakes Coastal Flood Study: Overview

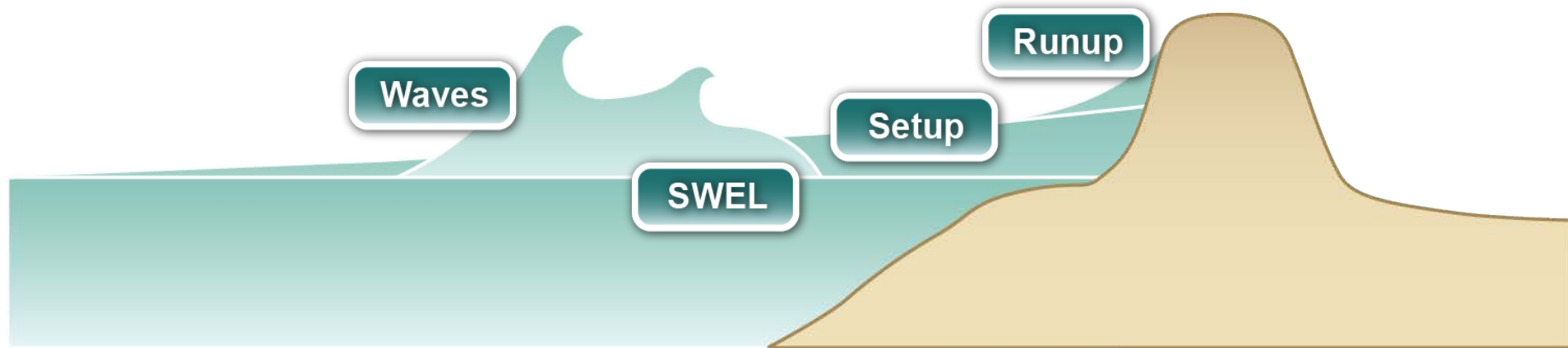
- Current FIRMs outdated due to the age of data & methodologies – many date to 1970s
- Changes in NFIP policies and methodologies have since occurred, creating need for an update
- New methods have been developed
 - Includes basin-wide water surface grids and storm sampling, built from continuous record of 50 years of meteorological, water level, and ice field data (1960 - 2010)
 - Methods will be incorporated into official FEMA guidance – Appendix D.3
 - Demonstration projects were conducted in several lakes to test and improve new methodology described in FEMA guidance
- Study will include entire U.S. Great Lakes coastline



Findings: Changing BFEs

Base Flood Elevation on FIRM now includes 4 components:

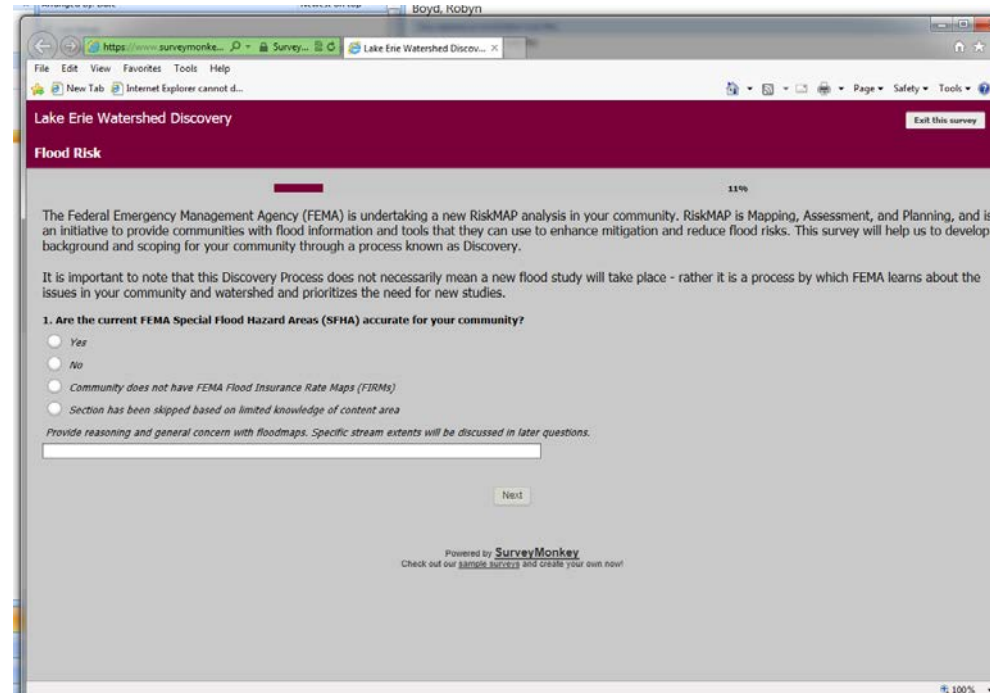
1. Wave height above storm surge (stillwater) elevation
2. Storm surge stillwater elevation (SWEL)
3. Amount of wave setup
4. Wave runup above storm surge elevation (where present)



Local Data Survey

- Local knowledge request via Online Survey

- *Base Map Data*
 - *Topography/Bathymetry*
 - *Imagery*
- *Coastal Data*
- *Other Data*
- *Historical Flood Data*
- *Risk Assessment*
- *Flood Mitigation Information*
- *Community Plans and Projects*



<https://www.surveymonkey.com/s/LakeErieDiscovery>



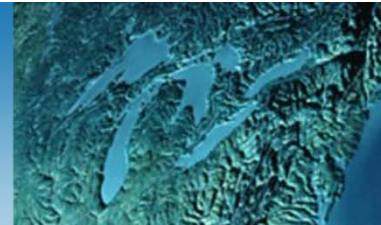
Discovery Meeting Invitees

- **Compiled list of community and county officials, including:**
 - Chief Executive Officers (i.e., Mayor, Supervisor)
 - Building, Zoning, and Planning Officials
 - Local Floodplain Administrators
 - City and County Engineers
 - Conservation Districts
- **Need your help to identify others who should be invited to Discovery Meetings**
 - Watershed Associations
 - Others



Floodplain Mapping Needs

- Coordinated Needs Management Strategy (CNMS)
- Interactive Mapping
 - Areas within your community where the FEMA FIRMs are not accurate
 - Significant changes have impacted maps (ie. culvert replacement)
 - Flooding problem spots not currently shown on FEMA maps





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Interactive Mapping

- Launch ArcMap

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Project Schedule

- Today

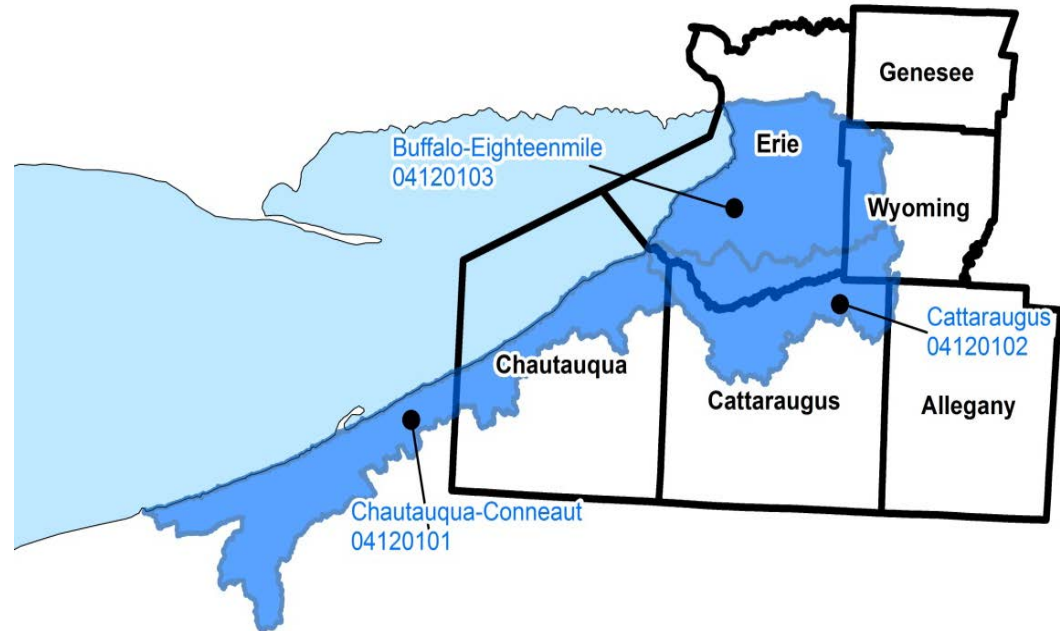
- Web-Ex

- In person Meetings

- June 2014

- Final Discovery Report and Maps

- December 2014

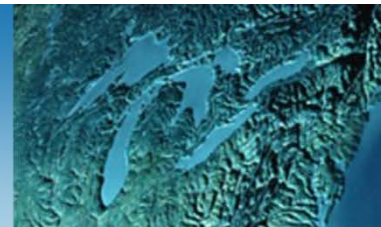


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Next Steps

- **We will provide:**

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

- **Work with you to:**

- Complete the local data survey
- Verify and identify community contacts to attend Discovery Meetings
- Determine locations and dates for Discovery Meetings





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Questions?

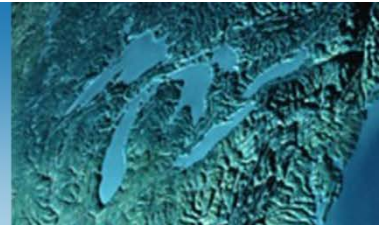
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Contacts



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

Alan Springett
Alan.springett@fema.dhs.gov
212.680.8557

Andrew Martin
amartin@dewberry.com
646.216.3677

Jeff Gangai
jgangai@dewberry.com
703.849.0251

Robyn Boyd
rboyd@dewberry.com
703.849.0611

Rachael Herman
rherman@dewberry.com
585-429-7448
716-949-6327

<https://www.rampp-team.com/ny.htm>

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