



FEMA

Coastal Mapping in New Jersey Preliminary Work Map Release

Middlesex County, New Jersey

July 2, 2013

RiskMAP
Increasing Resilience Together



Agenda

- Introduction and Purpose of Briefing
- Hurricane Sandy
 - Advisory Base Flood Elevations
- Transitioning to Preliminary Work Maps
 - Flood hazard mapping changes
- Partnerships
- Next Steps
- Questions and Answers

Hurricane Sandy

- Hurricane Sandy made landfall in New Jersey on October 29, 2012
- Advisory Base Flood Elevations (ABFEs) were released after Hurricane Sandy to provide communities and property owners with the best available flood hazard data *at the time* for rebuilding and recovery
- The ABFEs were an interim step in the flood risk mapping process and used data that FEMA and New Jersey gathered up to October 2012



Preliminary Work Maps

- ABFEs represented the best available flood hazard data at the time of Hurricane Sandy
- As of July 2, 2013, the Preliminary Work Maps supersede the ABFE data to show a more accurate reflection of flood risk
 - Incorporates more precise calculation of wave hazards
- Preliminary Work Maps are being shared in advance of the preliminary Flood Insurance Study and Flood Insurance Rate Maps (FIS & FIRMs) to provide property owners and communities with updated flood hazard information as quickly as possible to continue rebuilding and recovery
- Preliminary work maps will reflect the same coastal flood hazard as the Preliminary FIRMs, but the Preliminary FIRMS will also include riverine flood hazards



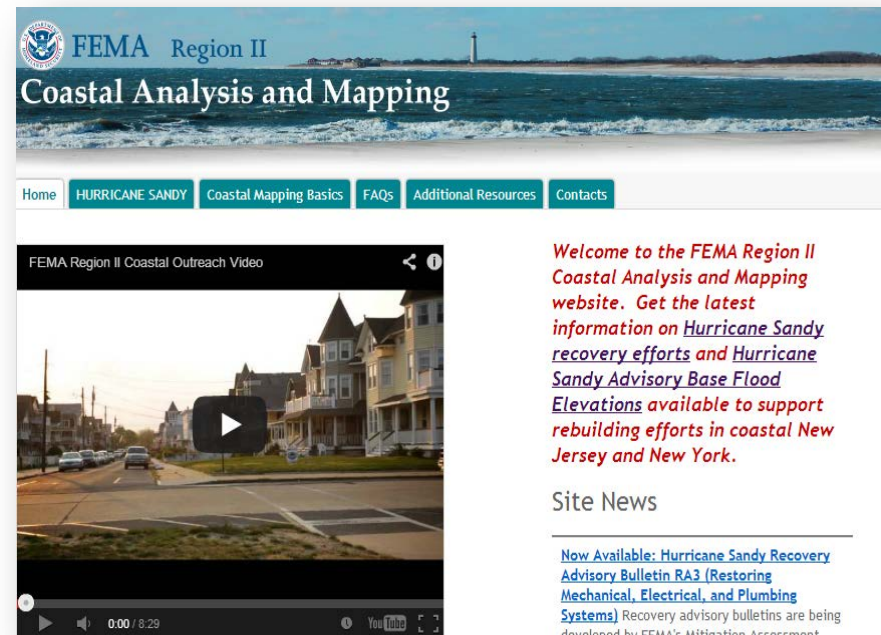
Preliminary Work Maps: Benefits for New Jersey?

- Preliminary Work Map will:
 - Assist community officials and property owners in understanding the current flood risk
 - Inform rebuilding and recovery actions at the state and local level
 - Inform decisions to reduce loss of life and property through appropriate mitigation actions
 - Inform public investment process
- Preliminary Work Map will not immediately impact flood insurance rates or Federal flood insurance requirements
 - Depiction of likely flood insurance requirements in the near future



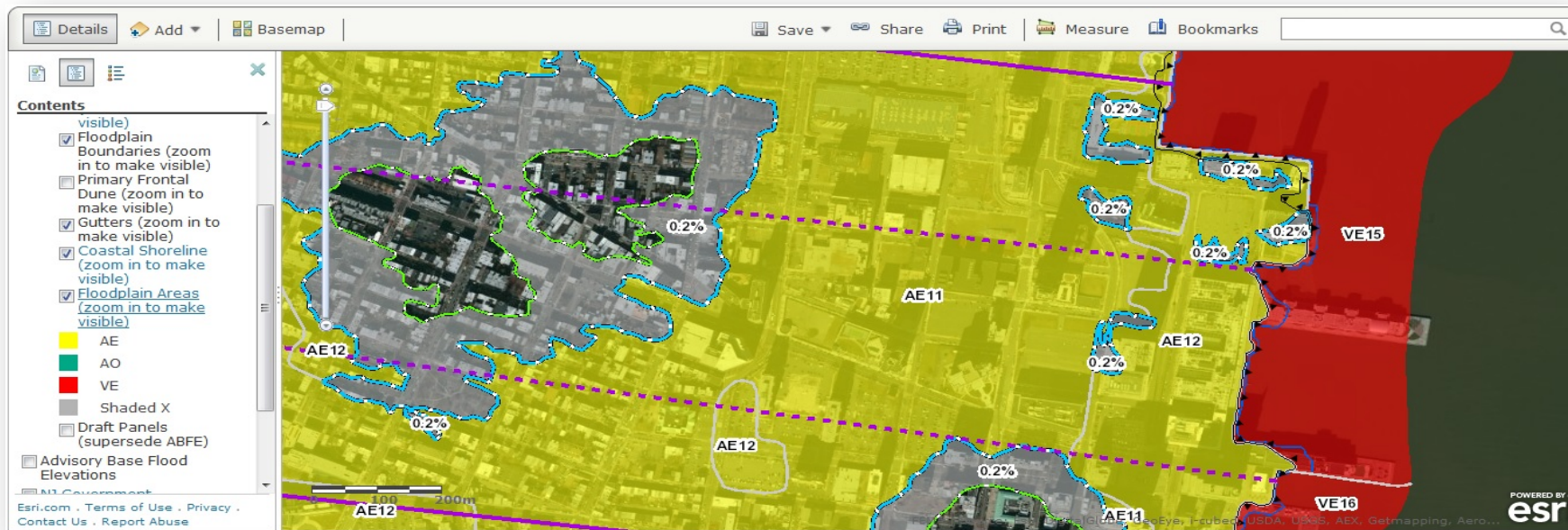
Preliminary Work Maps: When and Where Can I Find this Information?

- July 2, 2013:
 - Preliminary Work Map information is being released on the FEMA Region 2 Coastal Website:
www.Region2Coastal.com
 - The online Tool, “What is my Base Flood Elevation (BFE)?” is also available on
www.Region2Coastal.com for residents and property owners



What You Will See in the Preliminary Work Maps?

- Special Flood Hazard Areas
 - Zone VE
 - Zone AE
 - Shaded Zone X
- Estimated area and limit of structurally damaging wave action
- Preliminary Hurricane Sandy high water marks
- Base Flood Elevations for 1% annual chance flood

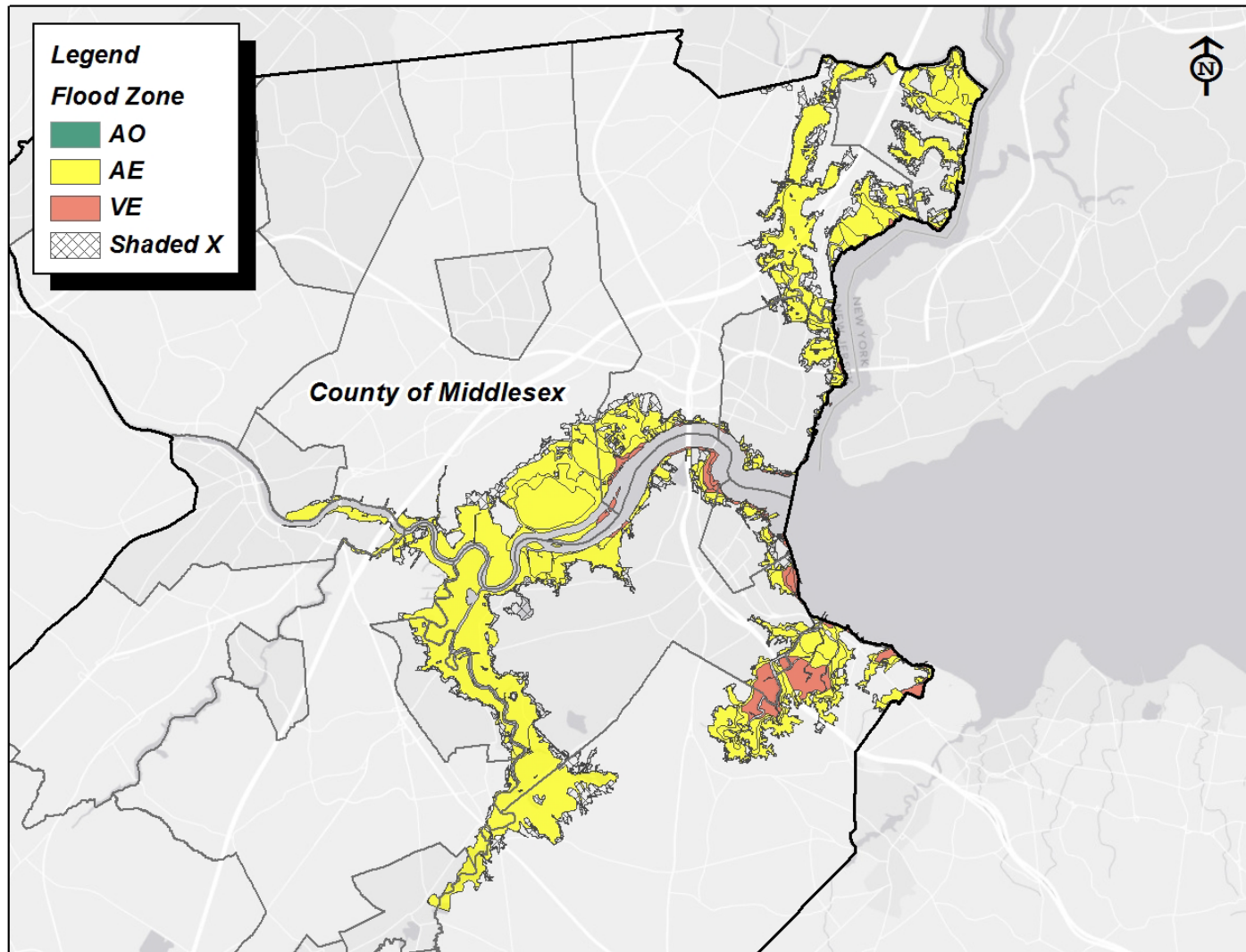


Preliminary Work Maps: What are the High-Level Changes?

New Jersey:

- Indications are that the risk to coastal floods will increase in the future and communities and the public should plan accordingly
- Increases in the overall size of the coastal high hazard area (or V Zone) from the current effective maps
- Limited increases in the overall size of the A zone from the current maps of record are also now identified
- V zone reduction from ABFEs to Preliminary Work Maps as expected

Middlesex Preliminary Work Map Data:




Access to Information: www.region2coastal.com

People with accessibility needs may call 1-800-427-4661 or use our [online form](#) to request and receive assistance in identifying and interpreting the flood information for their property.

Enter an address to view effective and updated coastal flood risk information for that location:

Newark Airport

Approximate Address Identified: **Newark Liberty International Airport (EWR), 3 Brewster Road, Newark, NJ 07114, USA**



Best Available Flood Hazard Data

The best available flood hazard data for coastal areas of New York and New Jersey is provided below to help you understand the current flood risk to your property and to guide Sandy recovery and rebuilding efforts.

Please be advised that in most communities, only coastal flood risk information is provided below. Riverine flood risk information will not be shown in most locations. Please contact your local floodplain administrator for more information about those areas.

Attribute Name	Attribute Value
What is the best available flood hazard data source for this location?	Advisory Data
What is my property's Base Flood Elevation (BFE)? (For N/A results, please contact your local floodplain administrator for more information.)	12 feet (NAVD88)
What is my property's Flood Zone? (For N/A results, please contact your local floodplain administrator for more information.)	A

Attribute Name	Attribute Value
What is the best available flood hazard data source for this location?	Advisory Data
What is my property's Base Flood Elevation (BFE)? [?] (For N/A results, please contact your local floodplain administrator for more information.)	12 feet (NAVD88)
What is my property's Flood Zone? [?] (For N/A results, please contact your local floodplain administrator for more information.)	A
Is my Property in the Area of Moderate Wave Action? [?]	N/A
What is the estimated ground elevation at this location? (See licensed surveyor for actual elevation of your building) [?]	N/A
What does my Best Available Flood Hazard Data Map Look Like? [?]	Link to ABFE Map PDF
View your property on our Interactive Web Tool	Link to Web Tool
Where can I get the GIS data for my property area?	Link to ABFE GIS Shapefiles

Effective Flood Insurance Data

This information is from the effective Flood Insurance Rate Map for your community. It is used to determine who must buy flood insurance and how much it costs. It is also used by your community to regulate development in flood prone areas.

Attribute Name	Attribute Value
What is my property's current effective Base Flood Elevation? [?]	N/A
What is my property's current effective Flood Zone? [?]	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Project Partners

- **Local Communities**

- Provide technical information that best characterizes local flood risk
- Communicate flood risk information to their constituents

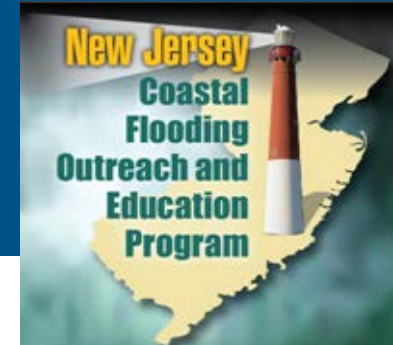
- **New Jersey Governor's Office**

- GAR/GORR responsible for oversight of all recovery and rebuilding
- Facilitate outreach to local elected officials

- **New Jersey Department of Environmental Protection**

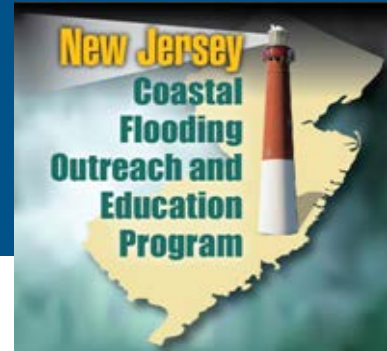
- In charge of multiple NJ coastal flood risk study updates
- Produce non-regulatory products for all NJ coastal communities

Project Partners *(continued)*



- **Coastal Outreach Advisory Team (COAT)**
 - State and local governments; academic organizations; other federal agencies
 - Support New Jersey coastal flooding outreach and education program
- **Technical Advisory Panel (TAP)**
 - New Jersey floodplain management and coastal engineering experts from diverse backgrounds
 - Review and provide feedback on the on-going coastal flood risk study

Project Partners *(continued)*

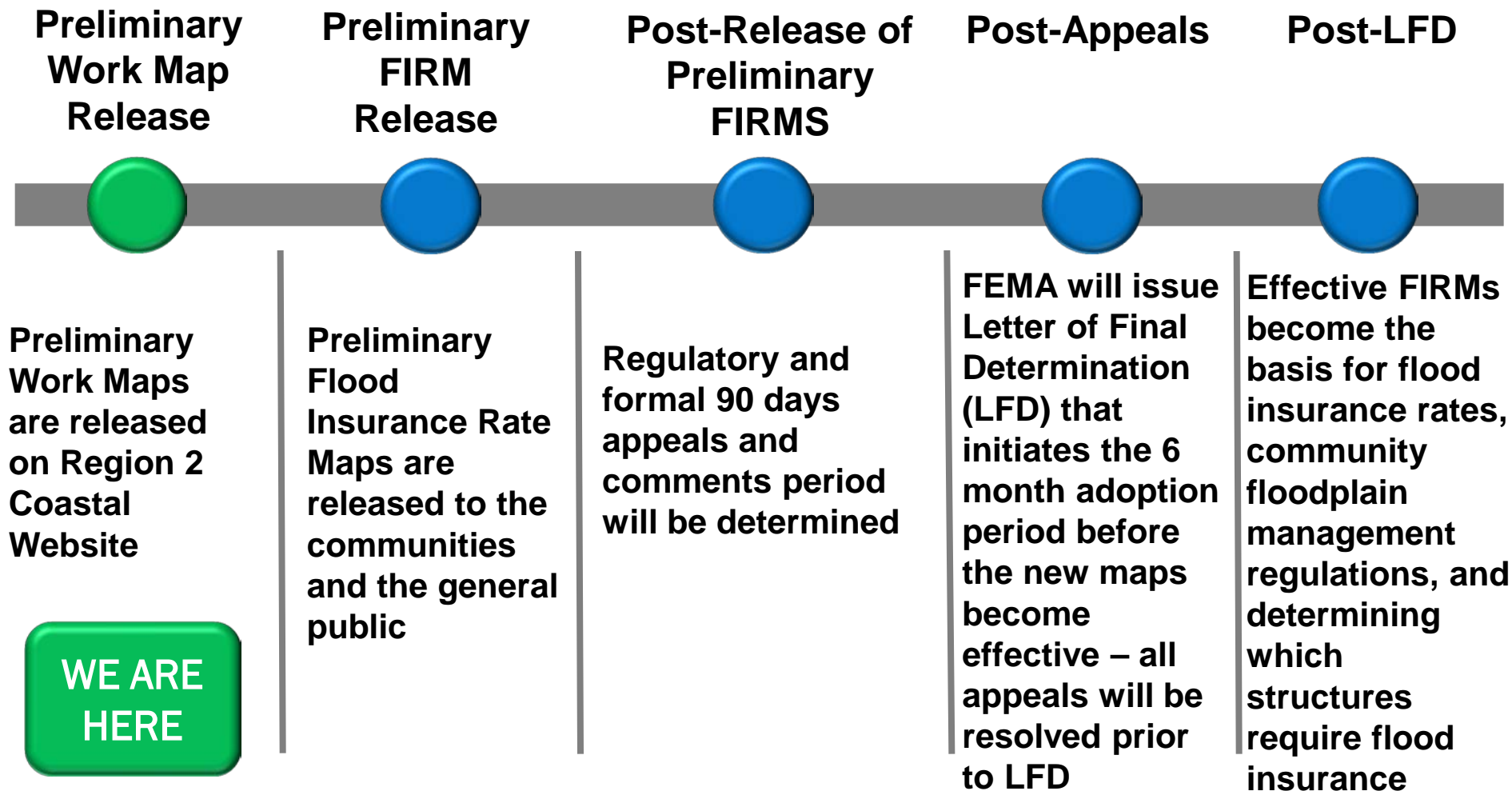


- **Academics and Non Government Organizations**
 - Jacques Cousteau National Estuarine Research Reserve
 - Richard Stockton College Coastal Research Center
 - Monmouth University Urban Coast Institute
 - Sea Grant Administration
 - Stevens Institute of Technology
 - Liberty Science Center
 - New Jersey Association for Floodplain Managers
- ***Co-host workshops/trainings to local officials and information dissemination***

Public Outreach & Support

- Preliminary Work Maps and Datasets are being provided to communities in advance of the preliminary FIRMs:
 - Transect Data and Field Reconnaissance
 - Storm Surge Geographic Information System (GIS) Data
 - Coastal Hazard Analysis Modeling Program (CHAMP) Database
 - Preliminary Work Maps
- Each Community receives an FTP link for download
- Preliminary Work Maps will be available through the GeoPortal at www.Region2Coastal.com
- For technical questions about the Preliminary Work Maps and datasets provided, submit your questions:
 - *Community Officials and General Public* online at www.region2coastal.com/contacts

Timeline of Events



Providing Input

- FEMA is encouraging communities and property owners to submit technical information to Local FPA's for review and submittal to FEMA
- Validated appeals may result in revisions to FIRMs through the regulatory process
- Data submitted needs to be comprehensive, detailed and consistent with the process for developing preliminary FIRMs
- Coastal analysis and mapping information must follow FEMA Guidelines & Specifications for Flood Hazard Mapping Partners
- Technical information should be submitted to:
 - Robert J. Schaefer, P.E. FEMA Region II:
Robert.Schaefer@fema.dhs.gov

Next Steps

- Review the technical and preliminary work map data
 - State agencies, property owners, general public
- Communicate the improved flood risk information to your residents and property owners
- Continue engagement in the ongoing flood risk analysis and flood insurance study update by:
 - Attending Flood Risk Review Meetings
 - Attending Resilience Meetings
 - Attending Consultation Coordination Officer's (CCO) Meeting
 - Informing residents and property owners of upcoming Public Open House Meetings

Conclusion: Community Resilience

Risk Changes
Over Time



FEMA Provides
Best Available
Data



Community
Officials Adopt
Higher
Standards



Property
Owners Build
to Higher
Standards



More Resilient
Communities
Created



***Together, we all can create
stronger and safer communities***

Resources

- Region 2 Coastal Flood Study Information: www.Region2Coastal.com
- FEMA: www.fema.gov
- FloodSmart (official site of NFIP): www.floodsmart.gov
- Risk Assessment, Mapping and Planning Partners (RAMPP): www.RAMPP-team.com/nj.htm
- New Jersey GORR: <http://www.state.nj.us/gorr/>
- New Jersey DEP: <http://www.nj.gov/dep/ec/>
- FTP Link: <http://184.72.33.183/Public/PreliminaryWorkMaps/>

Local Communities – *Data Gathering*

- Areas of Mitigation Interest Questionnaire
- To be sent to community officials in the next few days
 - This information will:
 - Help document the flood risk and will be used in Non-Regulatory Products development
 - Aid in identifying areas that may be affecting flood risk that would benefit from a raised local awareness
 - Provide input to local mitigation plans
 - We will provide the draft products and go over it with you during the Flood Risk Review meeting

Q&A



Contacts



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