



FEMA

Consultation Coordination Officer Meeting Bergen and Essex County, NJ

January 6th, 2015

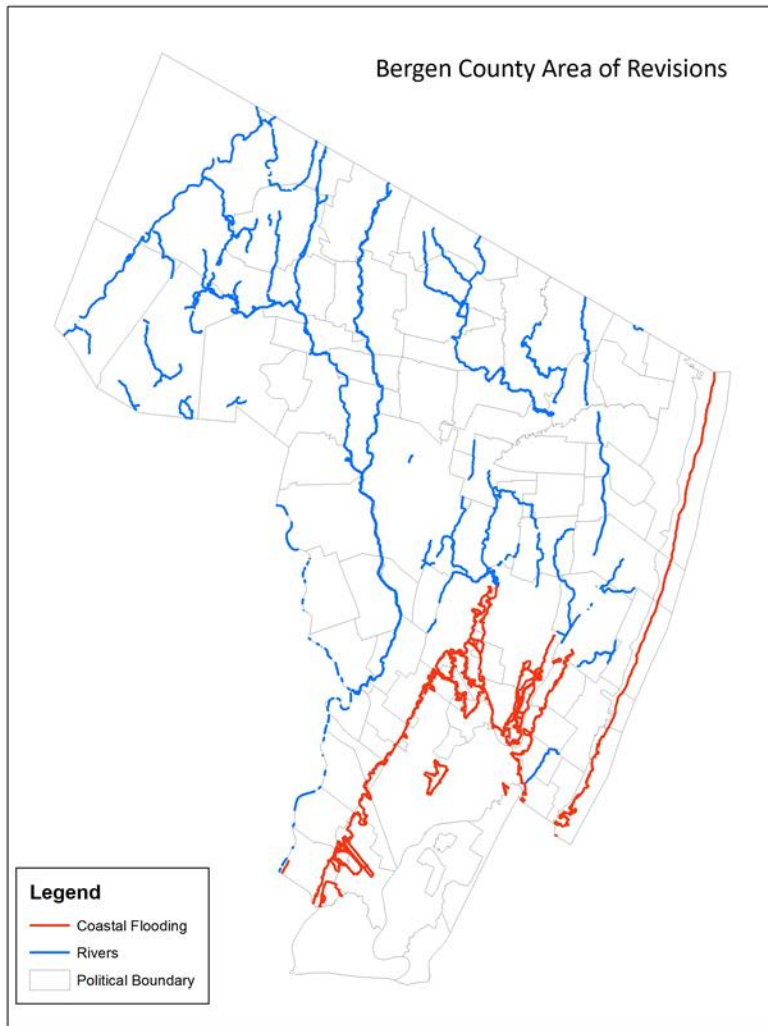
RiskMAP
Increasing Resilience Together



Agenda and Objectives

- Map Overview
- Risk Communication
- Floodplain Management
- National Flood Insurance Program
- Next Steps: Local Ordinances, Open House, Appeals
- Review and Summary
- Open House Planning

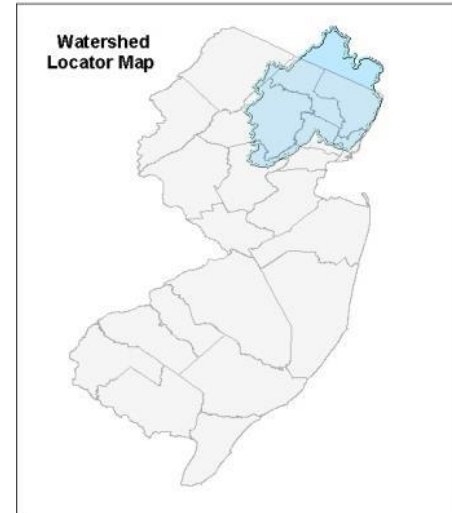
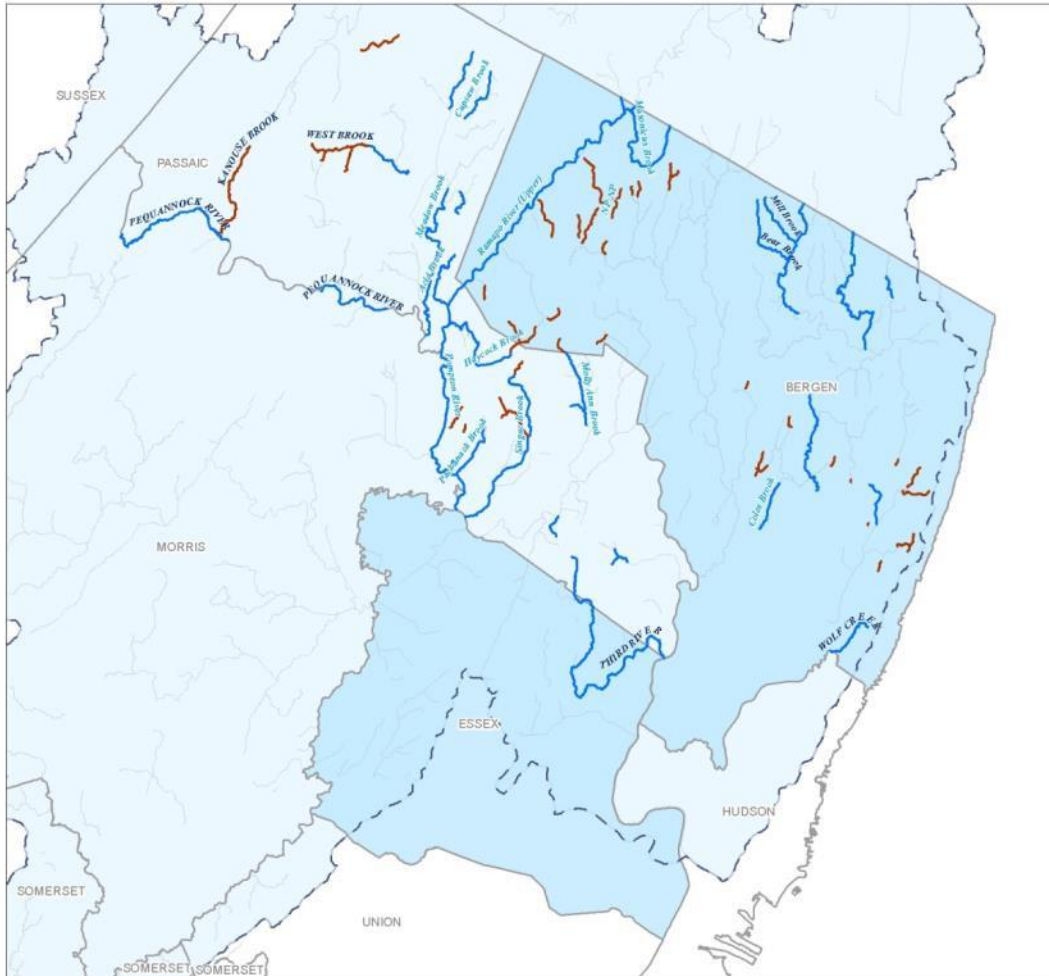
Bergen County, NJ — FIRM Overview



- Detailed study of coastal flood hazards
- Detailed and limited detailed study of riverine flood hazards
- GIS-based, countywide format
- Orthophoto base map combining floodway and floodplain data
- Datum conversion (NGVD29 to NAVD88)

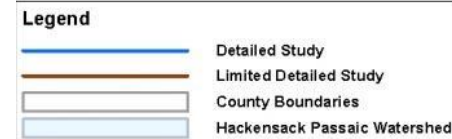
Hackensack-Passaic Watershed

Bergen and Essex County Overview
Hackensack Passaic Watershed Study

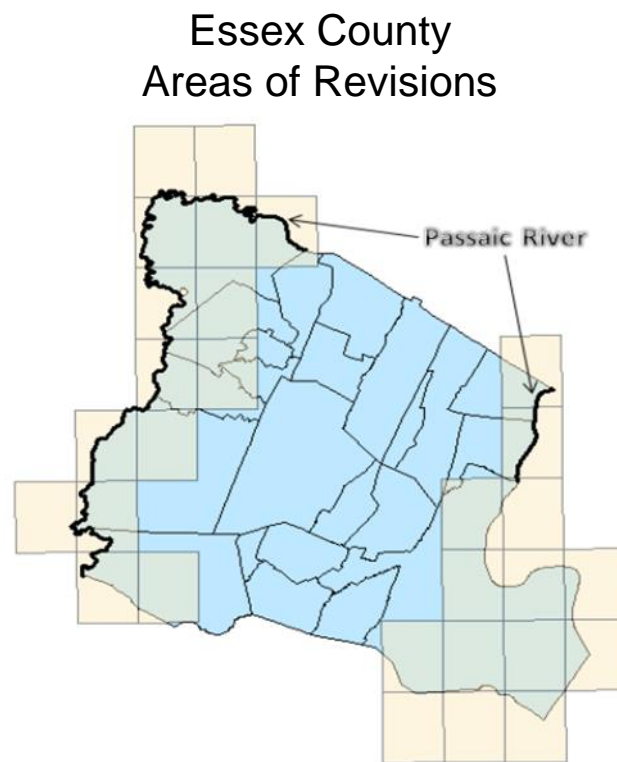
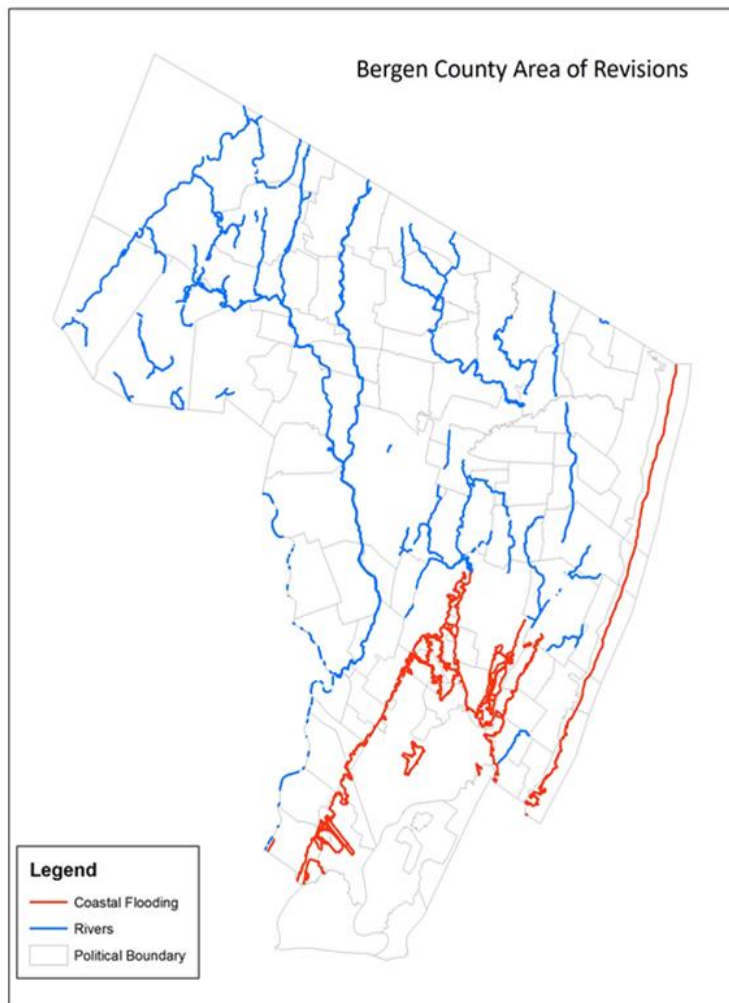


Hackensack Passaic Watershed Overview

- Portions of 8 New Jersey Counties (Bergen, Essex, Hudson, Morris, Passaic, Somerset, Sussex, Union)
- 159 Communities (New Jersey)
- Approximately 1,137 Square Miles
- Approximately 38.2 Miles of Limited Detailed Study (**new/updated Zone A**)
- Approximately 119.9 miles of Detailed Study (**new/updated Zone AE**)



Bergen and Essex County Revisions



Bergen and Essex County Riverine Study

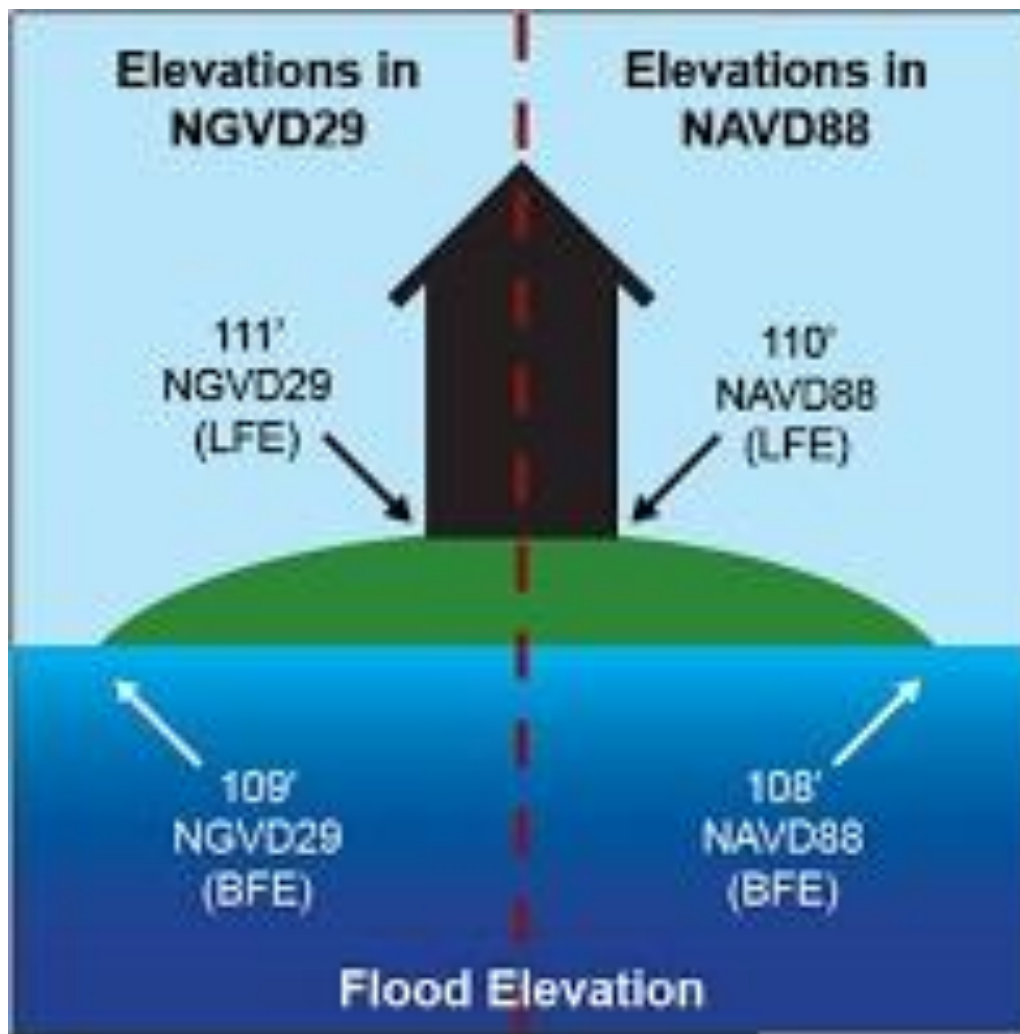
■ New Studies

- 160 miles of Zone AE (“Detailed”)
- 38.2 miles of Zone A (“Limited Detail”)

■ New Study Benefits

- Previous studies were at least 10+ years old
- Takes advantage of much improved, higher resolution topographic data (LiDAR)
- Updated hydrology
- Availability of new, non-regulatory Flood Risk Products to help w/ improved risk communication and awareness

Datum Conversion: -1.0 feet



Bergen and Essex County, NJ FIRM Product

■ Components of a FIRM

- Base map
- Topographic data
- Flood hazard data
- FIRM Database
- Metadata
- Flood Insurance Study (FIS) report
- Back-up data (models, etc.)

Special Flood Hazard Areas

Land Ownership

Transportation

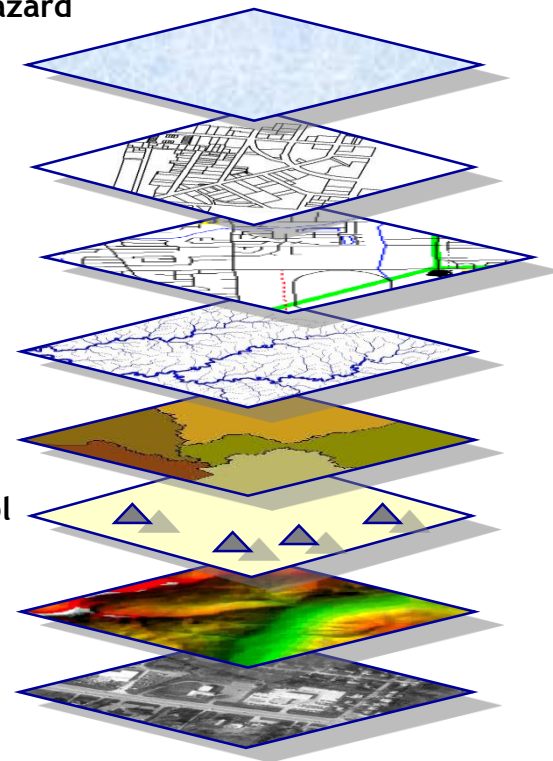
Surface Waters

Boundaries

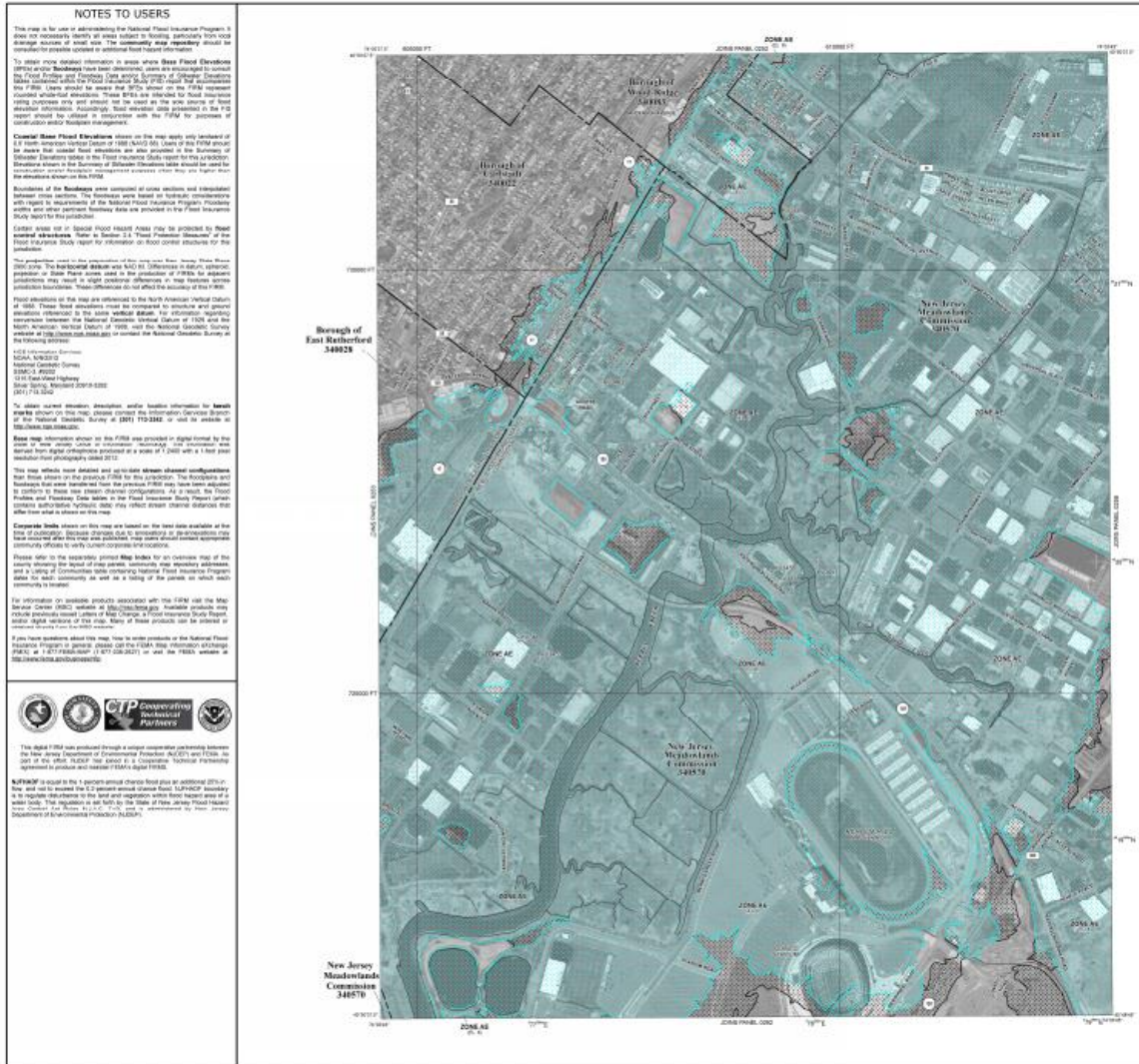
Geodetic Control

Elevation

Aerial Imagery



Bergen and Essex County, NJ FIRM



FLOOD INSURANCE STUDY

VOLUME 1 OF 5

BERGEN COUNTY, NEW JERSEY (ALL JURISDICTIONS)



COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER
ALLENDALE, BOROUGH OF	340119	HAWORTH, BOROUGH OF	340219	RIDGEFIELD, BOROUGH OF	340265
ALPINE, BOROUGH OF	340181	HILLSDALE, BOROUGH OF	340343	RIDGEFIELD PARK, VILLAGE OF	340266
BERGENFIELD, BOROUGH OF	340120	HO-HO-KUS, BOROUGH OF	340144	RIDGEWOOD, VILLAGE OF	340267
BLOOMFIELD, BOROUGH OF	340121	LEONIA, BOROUGH OF	340145	RIVER EDGE, BOROUGH OF	340268
CARLISLE, BOROUGH OF	340122	LITTLE FERRY, BOROUGH OF	340146	RIVER VALLEY, TOWNSHIP OF	340269
CLIFFSIDE PARK, BOROUGH OF	340182	LOD, BOROUGH OF	340147	ROCHELLE PARK, TOWNSHIP OF	340270
CLOSTER, BOROUGH OF	340123	LYNDHURST, TOWNSHIP OF	340148	ROCKLEIGH, BOROUGH OF	340271
CRESSKILL, BOROUGH OF	340124	MAHAWAK, TOWNSHIP OF	340149	RUTHERFORD, BOROUGH OF	340272
DEMARSET, BOROUGH OF	340125	MAYWOOD, BOROUGH OF	340150	SADDLE BROOK, TOWNSHIP OF	340273
DUMONT, BOROUGH OF	340126	MIDLAND PARK, BOROUGH OF	340151	SADDLE RIVER, BOROUGH OF	340274
EAST RUTHERFORD, BOROUGH OF	340129	MONTVALE, BOROUGH OF	340152	SOUTH HACKENSACK, TOWNSHIP OF	340275
EDGEWATER, BOROUGH OF	340129	MOONACHIE, BOROUGH OF	340153	TEANECK, TOWNSHIP OF	340276
ELMWOOD PARK, BOROUGH OF	340130	NEW JERSEY MEADOWLANDS	340154	TENAFLY, BOROUGH OF	340277
EMERSON, BOROUGH OF	340130	COMMERSON	340155	TETERBORO, BOROUGH OF	340278
ENGLEWOOD, CITY OF	340131	NEW MILFORD, BOROUGH OF	340156	UPPER SADDLE RIVER, BOROUGH OF	340279
ENGLEWOOD CLIFFS, BOROUGH OF	340180	NORTH ARLINGTON, BOROUGH OF	340157	WALDWICK, BOROUGH OF	340280
FAIR LAWN, BOROUGH OF	340132	NORTHVALE, BOROUGH OF	340158	WASHINGTON, BOROUGH OF	340281
FAIRVIEW, BOROUGH OF	340134	PARLIN, BOROUGH OF	340159	WASHINGTON TOWNSHIP OF	340282
FORT LEE, BOROUGH OF	340135	ORADELL, BOROUGH OF	340160	WESTWOOD, BOROUGH OF	340283
FRANKLIN LAKES, BOROUGH OF	340136	PAUSADES PARK, BOROUGH OF	340161	WOODCLIFF LAKE, BOROUGH OF	340284
GARFIELD, CITY OF	340137	PALMSBURG, BOROUGH OF	340162	WOOD-RIDGE, BOROUGH OF	340285
GLEN ROCK, BOROUGH OF	340138	PARK RIDGE, BOROUGH OF	340163	WYCKOFF, TOWNSHIP OF	340286
HACKENSACK, CITY OF	340139	RAMSEY, BOROUGH OF	340164		
HARRINGTON PARK, BOROUGH OF	340140				
HASBROUCK HEIGHTS, BOROUGH OF	340141				

REVISED: PRELIMINARY AUGUST 29, 2014

FLOOD INSURANCE STUDY NUMBER 34093CV001B

Summary of Map Actions

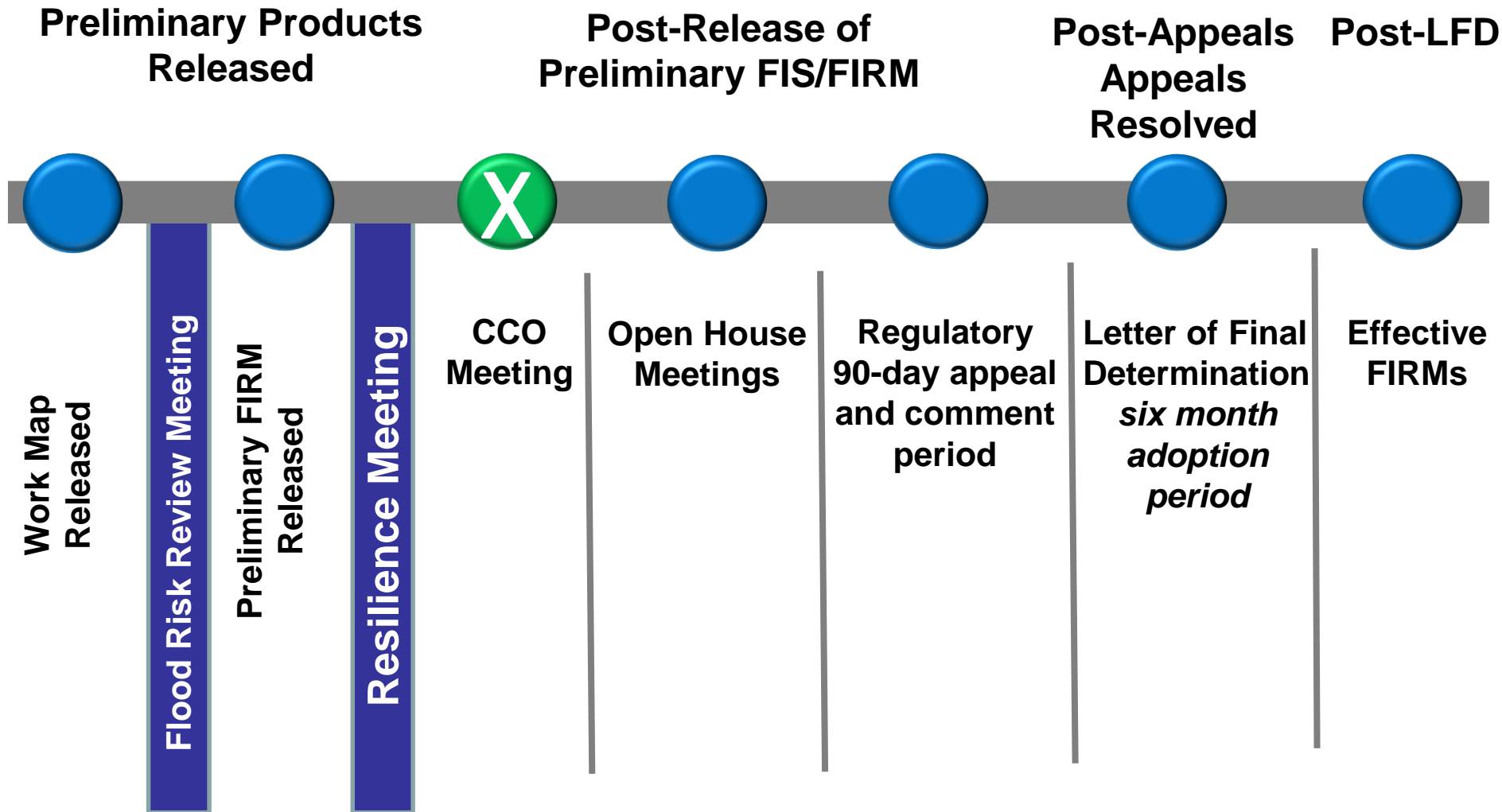
- FEMA periodically issues Letters of Map Change (LOMCs)
- LOMCs are legally binding changes to the map
- Many LOMCs are not typically reflected in the new FEMA maps due to scale constraints
- Summary of Map Actions contains assessment of all existing LOMCs with respect to the new FEMA maps

Page 1 of 2		Date: November 17, 2011	Case No.: 12-06-0254A	LOMA				
 Federal Emergency Management Agency Washington, D.C. 20472								
LETTER OF MAP AMENDMENT DETERMINATION DOCUMENT (REMOVAL)								
COMMUNITY AND MAP PANEL INFORMATION			LEGAL PROPERTY DESCRIPTION					
COMMUNITY	CITY OF DALLAS, DALLAS COUNTY, TEXAS		Lot 18, Block B/8119, White Rock North, Seventh Installment, as shown on the Plat, recorded in Volume 48, Page 125, in the Office of the County Clerk, Dallas County, Texas					
	COMMUNITY NO.: 480171							
AFFECTED MAP PANEL	NUMBER: 48113C0215J							
	DATE: 8/23/2001							
FLOODING SOURCE: MCCREE BRANCH			APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY: 32.878, -96.722 SOURCE OF LAT & LONG: ESRI; FEMA GEOCODE/GOOGLE MAPS DATUM: NAD 83					
DETERMINATION								
LOT	BLOCK/SECTION	SUBDIVISION	STREET	OUTCOME WHAT IS REMOVED FROM THE SFHA	FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NGVD 29)	LOWEST ADJACENT GRADE ELEVATION (NGVD 29)	LOWEST LOT ELEVATION (NGVD 29)
18	B/8119	White Rock North, Seventh Installment	9011 Spring Branch	Structure (Residence)	X (shaded)	491.3 feet	492.0 feet	--
<p>Special Flood Hazard Area (SFHA) - The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equalled or exceeded in any given year (base flood).</p> <p>ADDITIONAL CONSIDERATIONS (Please refer to the appropriate section on Attachment 1 for the additional considerations listed below.)</p> <p>PORTIONS REMAIN IN THE SFHA: STUDY UNDERWAY</p> <p>This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Amendment for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we have determined that the structure(s) on the property(ies) is/are not located in the SFHA, an area inundated by the flood having a 1-percent chance of being equalled or exceeded in any given year (base flood). This document amends the effective NFIP map to remove the subject property from the SFHA located on the effective NFIP map; therefore, the Federal mandatory flood insurance requirement does not apply. However, the lender has the option to continue the flood insurance requirement to protect its financial risk on the loan. A Preferred Risk Policy (PRP) is available for buildings located outside the SFHA. Information about the PRP and how one can apply is enclosed.</p> <p>This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, LOMA Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075.</p>								
 Luis Rodriguez, P.E., Chief Engineering Management Branch Federal Insurance and Mitigation Administration								

Summary of Map Actions *(continued)*

- **Summary of Map Actions Categories:**
 - **Category 1:** Shown on the new FIRM panel
 - **Category 2:** NOT shown on the new FIRM panel due to scale limitations (revalidated after the new FIRMs become effective)
 - **Category 3:** Superseded, and no longer valid, due to revised flood hazards
 - **Category 4:** Must be re-determined

Timeline for Bergen and Essex County



Using Effective and Preliminary FIRM Data

Use the standard that is the **higher** of the two

What will happen in the future can cost you now

Zone A
V

Flood insurance is **always** based on the Effective FIRM

What will save you now can cost you in the future

Zone A
V

Current Effective FIRM BFE

(used for insurance ratings UNTIL Preliminary FIRM is adopted)

Preliminary FIRM BFE

(will replace CURRENT effective FIRM when adopted)

Regulatory Process: *Comments & Appeals Periods*

- Local constituents must submit their concerns through the local community
- Local official will review the concerns prior to submittal to FEMA by the community Chief Executive Officer
 - Duplicate concerns should be combined, and all concerns should be divided into one of two categories: appeals or comments
- An online appeals tracker will be set up on www.region2coastal.com

Regulatory Process: *Comments*

- Comments are any input and/or feedback on the Preliminary FIRMs that *do not* relate to new or modified BFEs, base flood depths, SFHA boundaries or SFHA zone designations
 - Comments include, but are not limited to:
 - Changes in the floodplain that should have been submitted to FEMA
 - Corporate limit revisions
 - Road name errors and revisions
 - Changes affected by a Letter of Map Change

Regulatory Process: *Appeals*

- Appeals are challenges to the Preliminary FIRMs that relate to new or modified BFEs, base flood depths, SFHA boundaries or SFHA zone designations and that are believed to be scientifically or technically incorrect
 - Appeals may result in revisions to the Preliminary FIRMs
- Appeals must be:
 - Submitted within the designated 90-day Appeals period
 - Accompanied by sufficient technical information (see *Criteria for Appeals of Flood Insurance Rate Maps*) at:
[http://www.fema.gov/media-library-data/5270aa93d5b892c8420248bc8f40a1ee/FIRM+Appeals+\(EAP\)+Criteria.pdf](http://www.fema.gov/media-library-data/5270aa93d5b892c8420248bc8f40a1ee/FIRM+Appeals+(EAP)+Criteria.pdf)
 - Technical information must comply with FEMA's *Guidelines & Specifications for Flood Hazard Mapping Partners*
<https://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/guidelines-specifications-flood-hazard-mapping>

Map Adoption

- After appeals are resolved, communities will receive a letter of final determination (LFD)
 - Maps effective after six months
- Before FIRM effective date, communities must adopt FIRM(s) and FIS into their local laws
- This is a good time to update existing local laws



Risk Communications

- **Federal/State/Local goals:**
 - Creating safer communities reducing risk to lives and property
 - Effectively communicate risk and increase public awareness, leading citizens to make informed decisions
- **Key factors:**
 - Community engagement and exchange of flood risk information
 - Effective collaboration through partnerships
 - Strategic communications plan development

Risk Communications-Resources

- Visit our Website:
www.region2coastal.com
- Outreach factsheets
- Frequently Asked Questions
- Coastal Risk Educational Videos
- Best Available Data (Preliminary FIRMs)
- For additional information:
www.rampp-team.com/nj/htm

NEW

FEMA Region II
Coastal Analysis and Mapping

Home View Flood Maps & Data What Happens Next? Community Officials Homeowners & Renters FAQs Resources Contacts

After Sandy:
Assessing Coastal Flooding

Your source for the latest information about flood risk in coastal New York and New Jersey.

Is your property in a high risk flood zone? Look up your flood risk by address.

Learn about flood insurance and recent flood insurance reform.

Site News

Video: Learn about the effects of Hurricane Sandy on coastal New Jersey communities and rebuilding planning, mitigation, and preparedness efforts in the

The National Flood Insurance Program (NFIP)

- Voluntary program based on a mutual agreement between the Federal government and the local community
- In exchange for adopting and enforcing FPM ordinance, Federally-backed flood insurance is made available

The screenshot displays the FloodSmart.gov website. At the top right, it lists a toll-free number: 1-888-379-9531 or have us call you. A search bar is also present. The left sidebar contains a navigation menu with categories: HOME, FLOODING & FLOOD RISKS, ABOUT THE NATIONAL FLOOD INSURANCE PROGRAM, RESIDENTIAL COVERAGE, COMMERCIAL COVERAGE, POLICYHOLDER RESOURCES, PREPARATION & RECOVERY, and RESOURCES. The main content area features a large banner titled "How will the New Flood Maps Affect Your Flood Risk?" with a "SEARCH YOUR AREA" button. Below the banner are navigation tabs for "Protect What Matters", "Hurricane Season", "BW-12", "New Flood Maps", and "Flood After Fire". The bottom section includes a "LATEST NEWS" section, a "GET COVERAGE FOR AS LOW AS \$129 PER YEAR" offer, a "WHAT COULD FLOODING COST ME?" interactive tool, and a "One-Step Flood Risk Profile" form with fields for address, city, state, zip code, and residential status.

Governmental Roles

- **Federal**
 - Risk Identification and Mapping
 - Building /Development Standards
 - Flood Insurance
- **State**
 - Building Code
 - Technical Assistance
- **Local**
 - Adoption and Enforcement of Development and Building Standards

Minimum Standards for NFIP Building Requirements

- **Zone A Building Requirements**
 - Developments over 5 acres or over 50 lots must provide a BFE
- **AE Zone Building Requirements**
 - The lowest enclosed area, including the basement, must be at or above the Base Flood Elevation (BFE)
 - Non-residential buildings may be flood proofed
 - No development in the regulatory floodway that would raise BFE
 - FEMA encourages States and Local Communities to adopt higher standards, such as Freeboard

Minimum Standards for NFIP Building Requirements

- **Zone VE Building Requirements**
 - **Lowest horizontal structural member must be at or above the BFE**
 - **Structure must not be built on fill**
 - **Must be free of obstructions below BFE**
 - **Breakaway walls are permissible**

Floodplain Management Considerations

- **Repetitive Loss**
- **Cumulative standards to address non-compliant structures**
- **Local Communities need to take ownership of ordinance and map adoptions**
- **Homeowner Flood Insurance Affordability Act (HFIAA)**

Can You Buy NFIP Flood Insurance If...

- You live in a Flood Hazard Area?

YES!!!

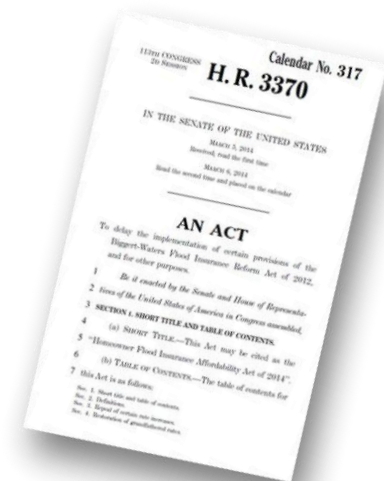
- You Don't Live in a Flood Hazard Area?

YES!!!

- As long as your community participates in the NFIP, you can purchase flood insurance
 - Except when structure has been placed in Section 1316
 - No structures insurable over water

More Changes are Coming to the NFIP

- On March 21, 2014, President Obama signed the Homeowner Flood Insurance Affordability Act of 2014 into law
 - Repeals and modifies certain provisions of Biggert-Waters
 - Makes additional program changes
 - Leaves some parts of Biggert-Waters intact.
- Policyholders SHOULD NOT cancel policies!
- FEMA is working with our Write Your Own (WYO) insurance company partners, Congress, others to implement
 - Prior to restoring and refunding premiums, the law requires FEMA to consult with its WYO insurance companies to develop and finalize guidance and rate tables within eight months; FEMA and the WYOs have up to eight months to implement
 - To date, NFIP has held at least seven conference calls and met in person with senior company representatives



Refunds, Rates, and Surcharges

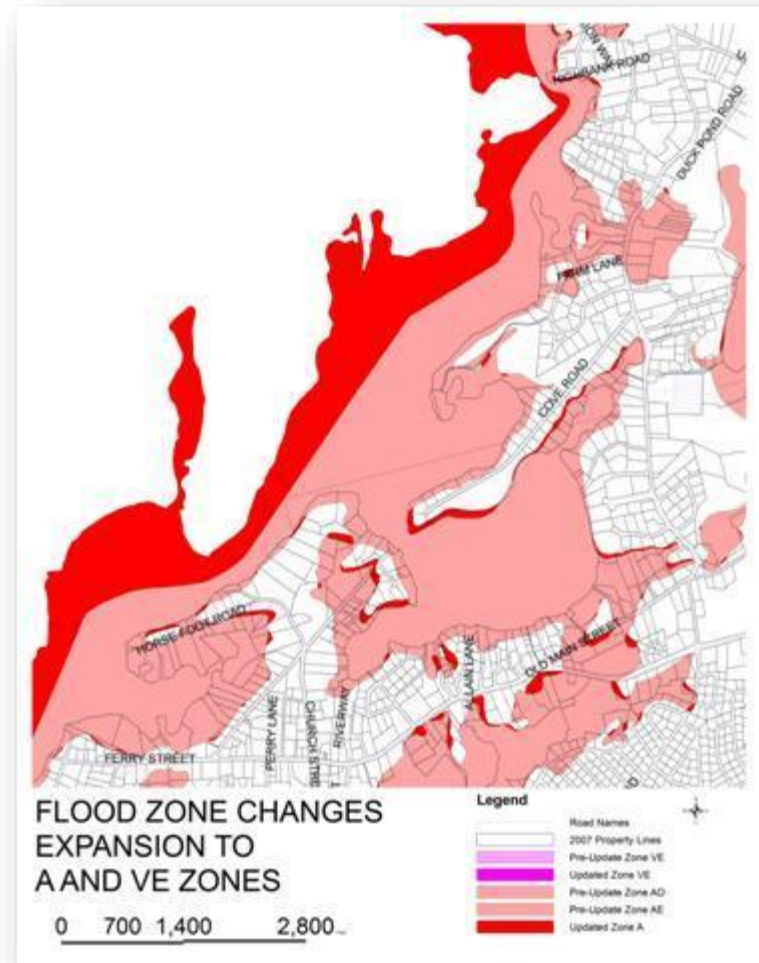
Mandatory Surcharges (Sec. 8)

- Applies to all policies
- A policy for a primary residence will include a \$25 surcharge
- All other policies will include a \$250 surcharge
- The fee will be included on all policies, including full-risk rated policies, until all Pre-FIRM subsidies are eliminated
- Surcharges are not considered premium and therefore are not subject to premium increase caps required under Section 5 under the new Act

Refunds, Rates, and Surcharges

Grandfathering (Sec. 4)

- HFIAA restores FEMA's ability to grandfather properties into lower risk classes
- For newly identified properties, the law sets first year premiums at the same rate offered to properties located outside the SFHA (Preferred Risk Policy rates)
- With limited exceptions, flood insurance premiums cannot increase more than 18 percent annually
- Grandfathered policy holders are not entitled to refunds



Refunds, Rates, and Surcharges

Pre-FIRM Primary Residence Policies in High-Risk Areas

- For most pre-FIRM primary residences in high-risk areas, subsidized rates remain in effect, but with newly required minimum increases—and an 18 percent limit for any individual policy—until premiums reach their full-risk rates¹

POLICY TYPE	IMPACT ON RATE
Existing policies	Policies can be renewed at subsidized rates. ²
Newly written policies	Policies can be issued and renewed at subsidized rates.
Policies on newly purchased buildings	Policies can be issued and renewed at subsidized rates.
Policies re-issued after a lapse ³	Policies for pre-FIRM buildings in high-risk areas that lapsed due to a late renewal payment (received after the 30-day grace period but less than 90 days after expiration) can be re-issued and renewed at subsidized rates.

¹Full-risk rates are determined using data from an Elevation Certificate.

²Full-risk rates could be lower than subsidized rates.

³Buildings with lapsed policies are not eligible for the subsidy unless the lapse was the result of the policy no longer being required to retain flood insurance coverage.

Refunds, Rates, and Surcharges

Pre-FIRM Building Policies in High-Risk Areas

- For other pre-FIRM buildings in high-risk areas, subsidized rates continue, but will increase more quickly to reach full-risk rates

POLICY TYPE	IMPACT ON RATE
Policies for non-primary residences (secondary or vacation homes or rental properties)	25% annual increases at policy renewal until premiums reach their full-risk rates.
Policies for business buildings	Future 25% annual increases at policy renewal.
Policies for Severe Repetitive Loss properties	25% annual increases at policy renewal for severely or repetitively flooded properties that include 1 to 4 residences.

Refunds, Rates, and Surcharges

Other Policies

- For most other policy types, rates will increase by no more than 18 percent for any individual policy

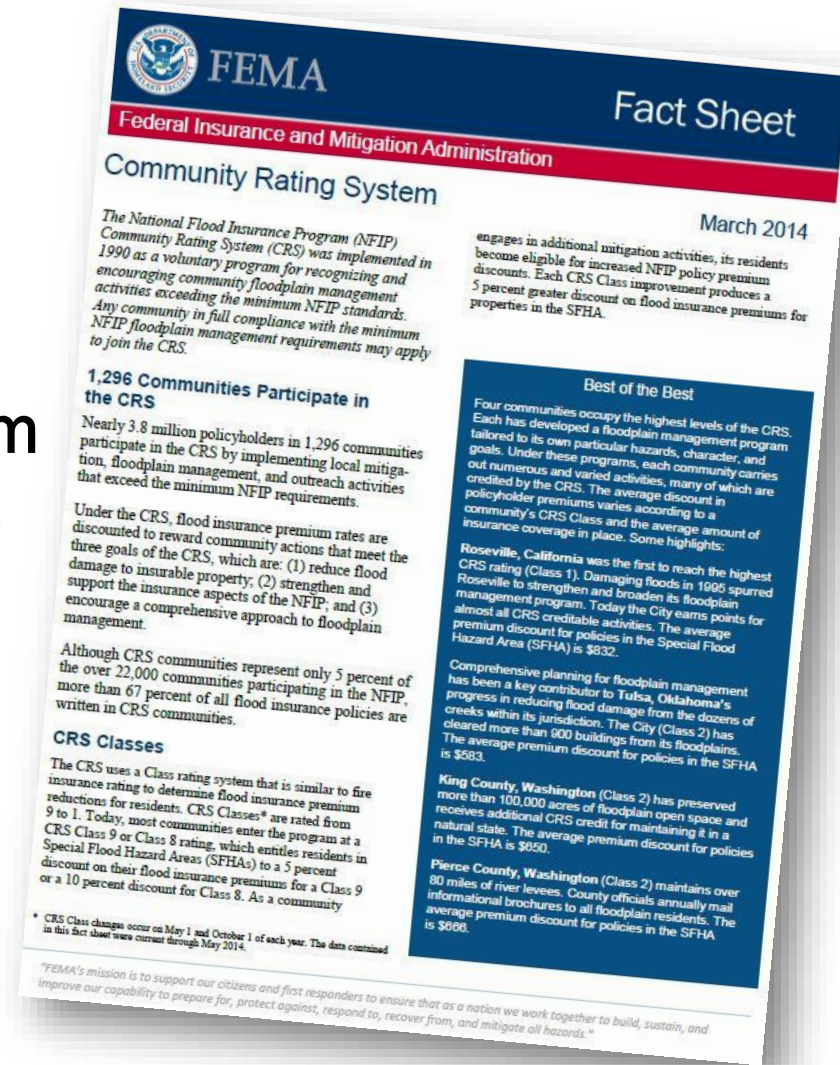
POLICY TYPE	IMPACT ON RATES
Policies for newer (“post-FIRM”) buildings in high-risk areas	Not affected by subsidies; already paying full-risk rates.
Policies for buildings in moderate-to low-risk areas	Not affected by subsidies; properties in these areas (shown as B, C, or X zones on flood maps) do not pay subsidized rates.
Policies for buildings “grandfathered in” when map changes show higher flood risk	Grandfathering remains in effect at this time. Buildings constructed in compliance with earlier maps or continuously covered by flood insurance stay in their original rate class when maps change or properties are sold.
Policies for buildings covered by Preferred Risk Policy Eligibility Extension (PRP EE)	Properties continue to be eligible for lower, preferred-risk rates for the first year after a map change. Starting the following year, rates will increase by no more than 18% for any individual policy until premiums reach their full-risk rate.

Increased Cost of Compliance (I.C.C.)

- Upon a letter of Substantial Damage determination from community, an NFIP insured may qualify for up to \$30,000 to relocate, elevate, or demolish their structure
- Local community should track damages for all structures in flood hazard area through Substantial Damage Estimating
- Cumulative standards are optional but effective higher regulatory standards used to address RL properties
- I.C.C. remains available for substantial damage even if community does not adopt cumulative damage definition

Community Rating System (CRS)

- Provides incentive for local officials to implement requirements exceeding NFIP minimum criteria
- Grants flood insurance program credits calculated for activities undertaken to:
 - Reduce flood losses
 - Facilitate accurate insurance rating
 - Promote awareness of the benefits of flood insurance



Insurance FAQs

- **Will new maps increase flood insurance rates?**
 - Possibly “yes” for some structures effected by a flood hazard zone change, flood elevation increase, or both
- **Will flood insurance become unavailable?**
 - No, as long as community maintains NFIP participation, flood insurance remains available
- **Mandatory Flood Insurance Purchase Requirements**
 - Applies to structures within SFHA where the owner has a Federally - backed mortgage

Higher Than Minimum Standards

- New Jersey Department of Environmental Protection (DEP) will provide some options; these will be noted as optional
- Higher than minimum standards can increase safety, decrease flood insurance rates, and provide the community with points in the CRS



Compliance and Map Adoption Period

- Begins at date Letter of Final Determination is sent and ends at FIRM effective date
- Community officials review and revise the community's flood damage prevention ordinance to ensure compliance with NFIP regulations
- To avoid suspension from the NFIP, the community must adopt a compliant flood damage prevention ordinance, and submit its ordinance to the NJDEP for approval prior to the end of this period

The Road to Ordinance Re-Adoption

- 6 month: FEMA 6-month LFD Letter
- 5 month: NJDEP Assistance Letter
- 3 ½ month: Draft Ordinance
- 3 month: NJDEP review of draft ordinance
- 3 month: FEMA 90-day Reminder Letter
- 1 month: FEMA 30-day Reminder Letter

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

What is the responsibility of the community during this period?

Local Flood Damage Prevention Ordinance to include:

- Updated FIS and FIRM Panel numbers
- Local Floodplain Administrator Designation
- Updated Map Effective Date
- Appeal Board Designation
- Penalties for Noncompliance

Common Local Law Mistakes

- Failure to provide map repository location
- Failure to name a floodplain administrator office (must be an office; not a name)
- Incorrect FIRM or Flood Insurance Study reference
- Failure to name Town/Village/City Board or Council as appeals board
- Inconsistent section numbering
- Failure to include all sections
- Failure to adopt State laws

Questions? Need Ordinance Assistance?

Visit our website:

www.nj.gov/dep/floodcontrol

Contact our office:

NJDEP, NJ State NFIP Coordinator's Office

(609) 292-2296

Alan (Chris) Gould

Alan.gould@dep.nj.gov

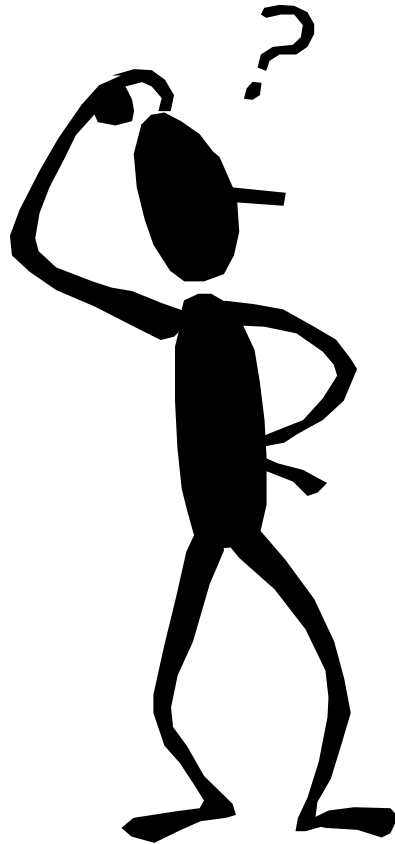


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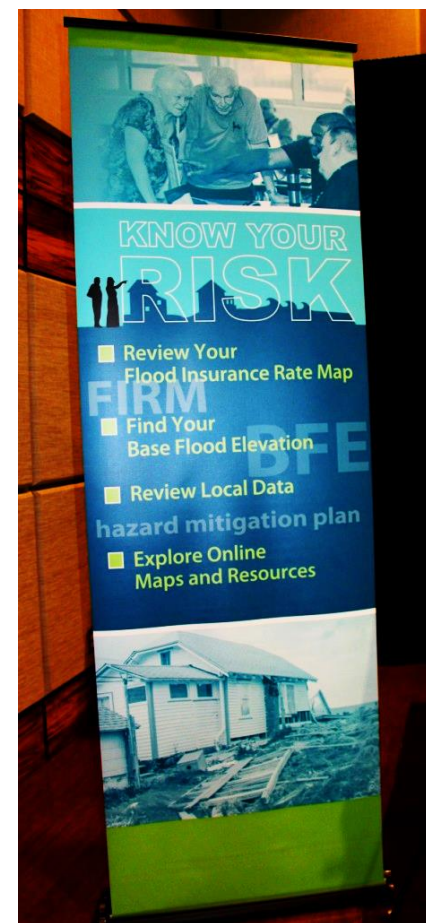
Together, we all can create stronger and safer communities.

Questions

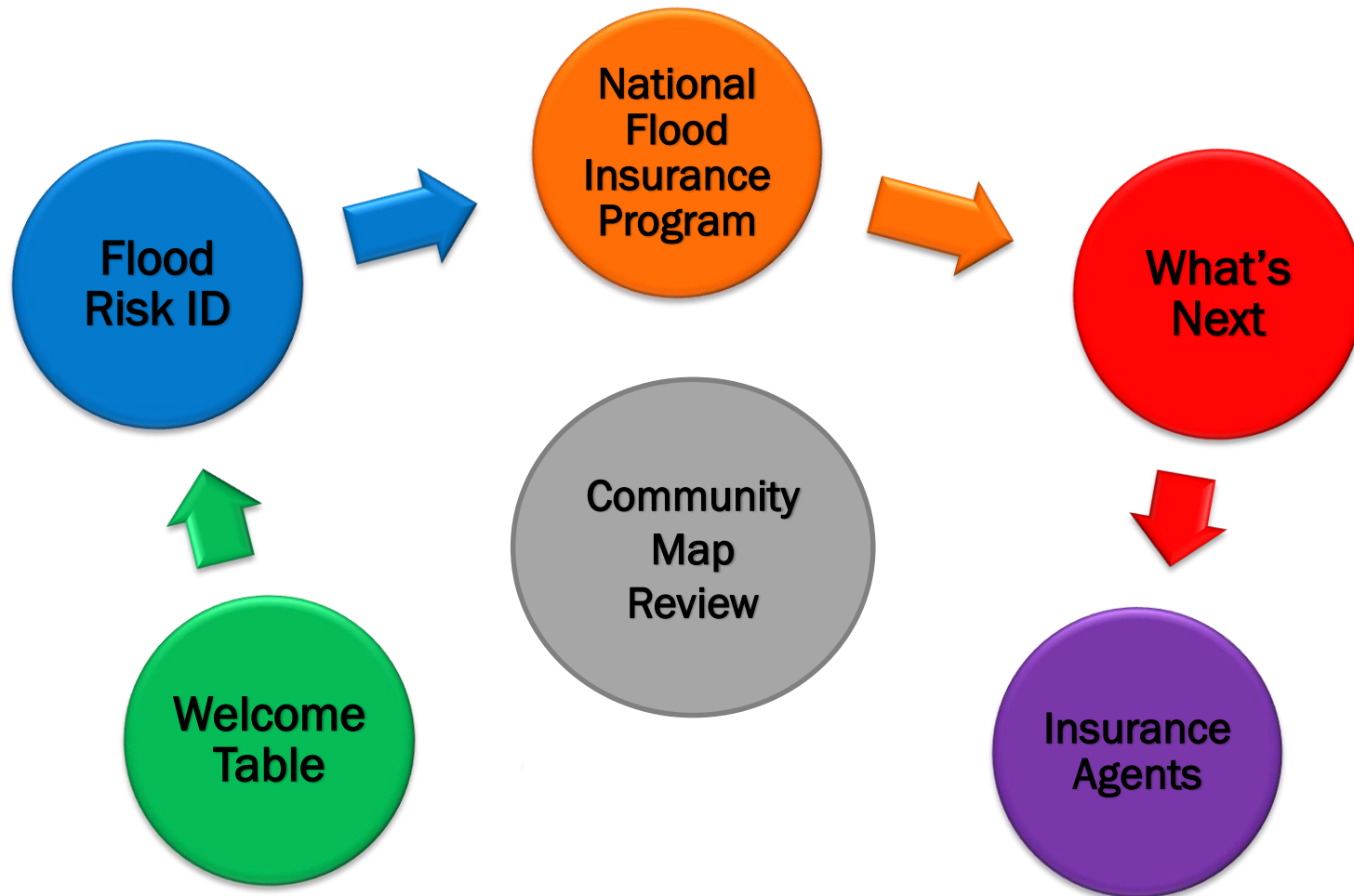


Open House

- Provide local residents, businesses, and property owners opportunity to visit with municipal, county, State, and Federal officials to:
 - Understand what flood hazard zones on new FIRMs are and what they mean
 - Learn about how their flood risk will affect their floodplain management and flood insurance requirements
 - Become informed about options if affected by high-risk flood zone



Example Flood Risk Open House Room Layout



Open House Example



Cape May Open House, Friday,
December 12th @
City of Cape May Convention
Center



Property owner Flood
Risk Identification at
Cape May Open House