

SILVER JACKETS & FLOOD PLAIN MANAGEMENT SERVICES IN NEW JERSEY

U.S. Army Corps of Engineers – Philadelphia District

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Monmouth County CRS User Group

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SILVER JACKETS (SJ)

Interagency Flood Risk Management Teams

- State-Led
 - States set priorities for coordinated interagency support
 - Philadelphia District leads teams in Delaware & New Jersey; supports teams in New York & Pennsylvania
- Interagency
 - Collaboration across agencies / levels of government
 - Leverage resources: talent, data, funding
- Continuous, not project-specific
- Life-Cycle Risk Management





Silver Jackets Program – New Jersey

PROGRAM DESCRIPTION: The Silver Jackets Program focuses on developing collaborative solutions with partner state and federal agencies to address state recognized flood risk problems. This effort is a U.S. Army Corps of Engineers initiative and is managed through the FPMS Program. State teams meet regularly.

PROBLEM AND NEED: Devastating flood events continue to occur annually, resulting in loss of life and billions of dollars in damages to public buildings, critical facilities, residential and commercial structures, and industrial centers. Programs and authorities to address these risks are leveraged among several agencies to develop comprehensive solutions.



Why the name 'Silver Jackets'?



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Silver Jackets Program

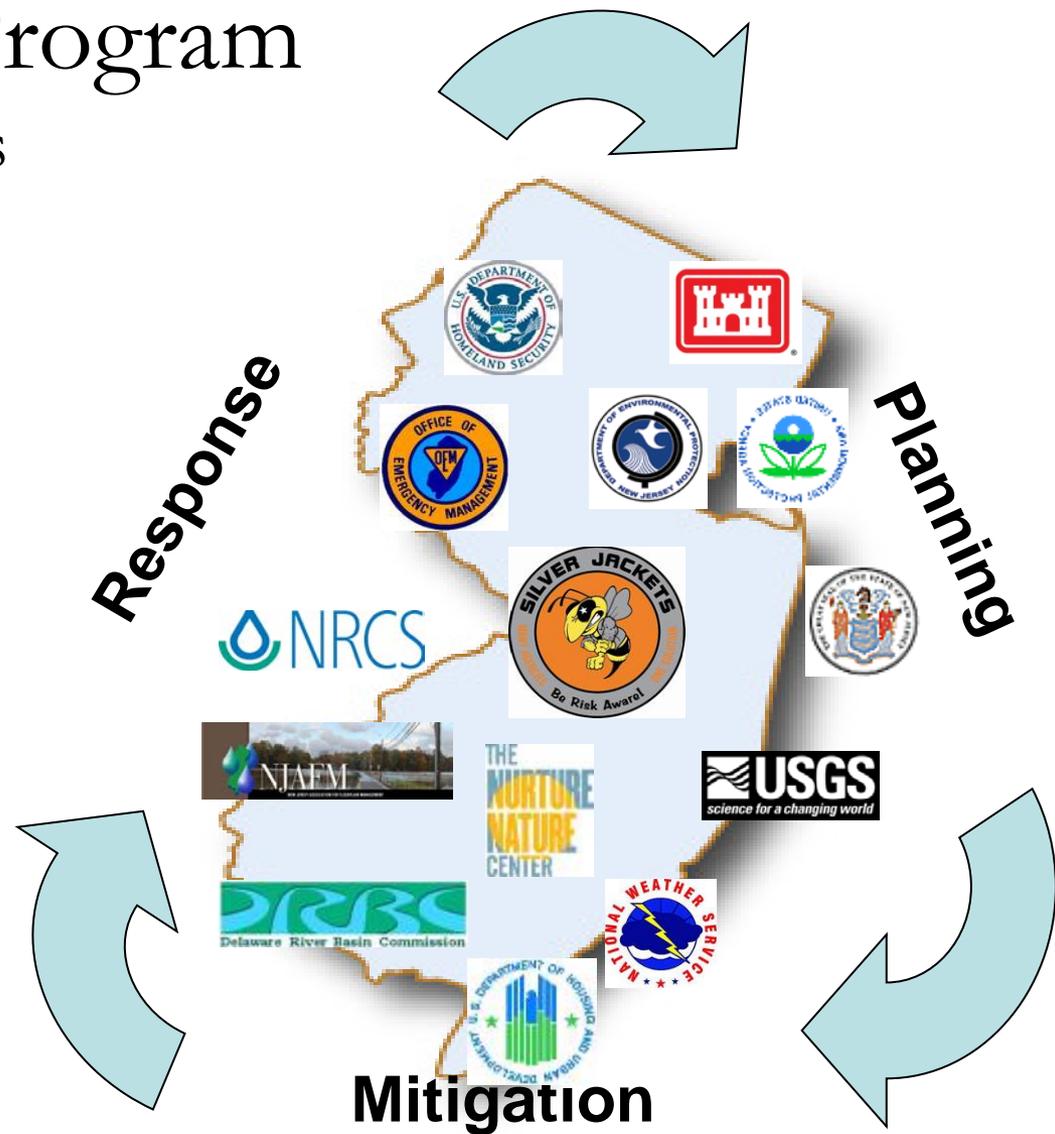
Cooperating Agencies

- State representatives from New Jersey Office of Emergency Management (NJOEM) & New Jersey State Department of Environmental Protection (NJDEP)

- Federal representatives from USACE (New York & Philadelphia Districts) FEMA, NRCS, USGS, NOAA/NWS, EPA, HUD

- Other stakeholders: Delaware River Basin Commission (DRBC), New Jersey Assoc for Floodplain Management (NJAFM), Nurture Nature Center

- Meet Quarterly or more often if necessary



NJ Silver Jackets Interagency Projects

- Cumberland County Nonstructural Outreach (Workshops)
- Nonstructural Assessment Projects in Cumberland, Cape May & Atlantic Counties
- Flood Inundation Map (FIM) Libraries for Assunpink Creek at Trenton, Rahway River at Springfield, & Multiple Forecast Points in the Passaic River Basin
- Flood Forecast Modeling Improvements for the Passaic River Basin

NON-STRUCTURAL FRAM WORKSHOPS

- **Common Flood Risk Adaptive Measures (FRAM)**
 - Acquisition (buyout / demolition)
 - Elevation
 - Relocation
 - Individual Structures
 - Multiple Structures / Community
 - Dry Flood Proofing
 - Wet Flood Proofing
 - Barriers - Berms and Walls (Temporary / Permanent)
 - Flood Emergency Preparedness & Warning
 - Education / Communication
 - Other – *NFIP, Land Use Regs, etc*

Conduct Outreach Workshops in order to make the public and stakeholders aware of nonstructural methods and connect them to potential funding sources for implementation



NON-STRUCTURAL FRAM ASSESSMENTS

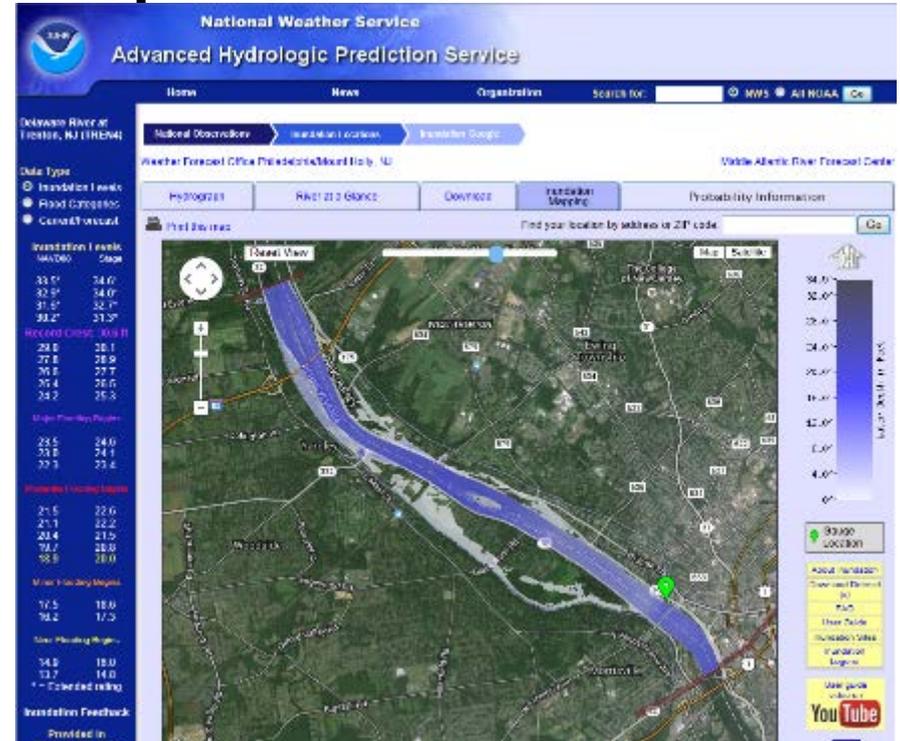
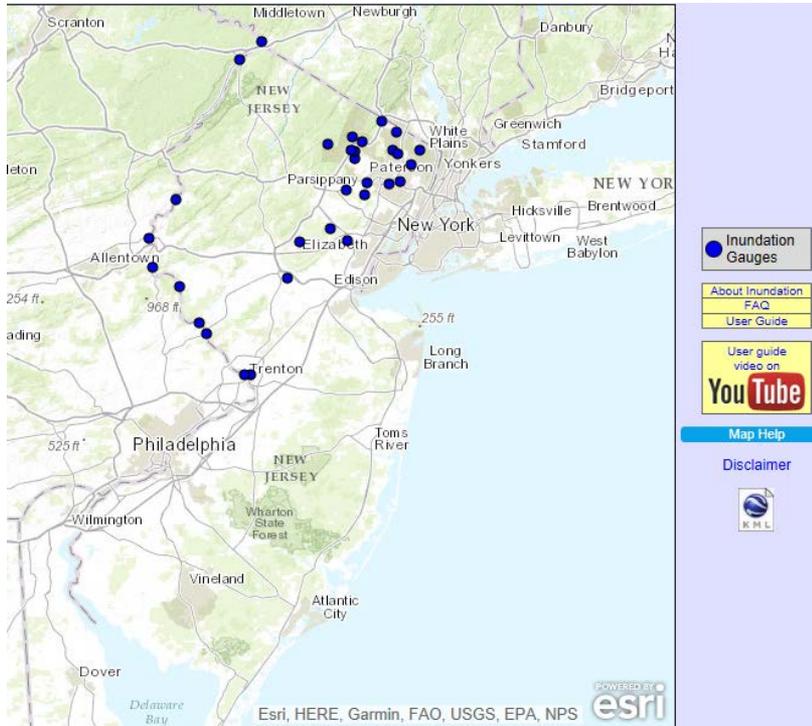
To assess the potential for nonstructural mitigation activities, four major tasks were completed:

- 1) Conduct building elevation surveys and/or collect existing elevation information
- 2) Perform nonstructural flood proofing assessments for prototypical structures
- 3) Complete report with nonstructural flood proofing recommendations
- 4) Participate in outreach efforts

The information developed through these tasks will assist with prioritization of future flood risk management efforts and implementation of nonstructural mitigation projects; includes pilot-type Critical Facilities for a current project.



Flood Inundation Map Libraries



- Map Libraries hosted on NWS AHPS website for Public Risk Communication
- Show extent and depth of flooding for ~1-ft intervals of flooding
- Representative of expected flooding due to forecasted water level
- Correlate expected damages if structure inventory exists for project area
- Map libraries developed through many different partnerships including Silver Jackets Interagency Projects

FPMS Program



Flood Plain Management Services Program (FPMS)

Authority and Scope: Section 206 of the Flood Control Act of 1960, as amended, provides authority for the Corps of Engineers to provide a full range of flood risk information, technical services and planning guidance to support and promote effective flood risk and floodplain management.

The Flood Plain Management Services (FPMS) program is to [advise](#), [recommend](#), [educate](#), [inform](#) and provide technical support to others, both external and internal, so that informed decisions with respect to floodplain management can be made.

Under FPMS, the Corps of Engineers can provide:

- Technical services
- Planning assistance and guides and pamphlets for floodplain management

The purpose of floodplain management is to help prevent or reduce flood damage by using either structural or nonstructural mitigation measures or a combination of the two.

For additional information on nonstructural measures, visit:

www.usace.army.mil/missions/civilworks/projectplanning/nfpc.aspx.



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PRINCIPLES OF FPMS PROGRAM

Provide technical assistance that is focused on reducing flood risk

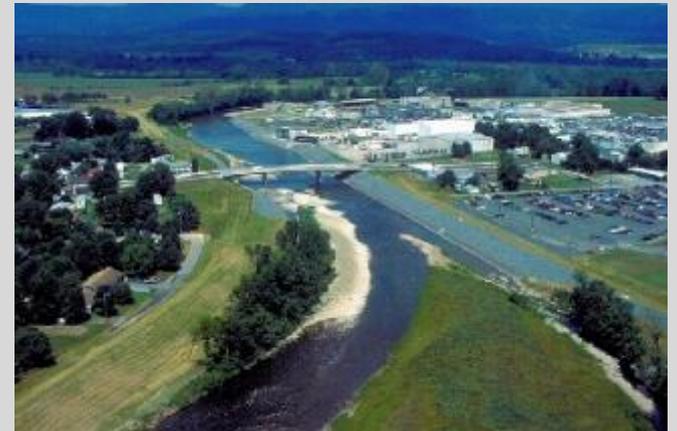
Development of guides and pamphlets for communication and education of flood risk

Proper use of floodplains (coastal and riverine)

Support of the National Flood Insurance Program (NFIP)

Types of projects: Flood Inundation Tools & Mapping, Risk Communication, Flood Risk/Vulnerability Assessments, Post-Flood Documentation, **Hurricane Evacuation Studies**, etc.

“Many communities are not aware of their risk of flooding”



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