

# INTERAGENCY – FLOOD RISK REDUCTION OPPORTUNITIES

Laura V. Ortiz – USACE Buffalo District

David Walowsky – USDA NRCS

Kevin Clapp – NYSDHSES

Bailey Sawyer – NYSDEC

Michael Foley - FEMA



US Army Corps  
of Engineers®

U.S. ARMY



U.S. ARMY

CUI

2



# DISTRICTS IN NEW YORK STATE

## USACE is organized by watersheds

Buffalo District – Lake Erie, Lake Ontario and St. Lawrence River

Pittsburgh – Allegheny River

Baltimore River – Susquehanna River

Philadelphia – Delaware River

New York – Lake Champlain, Hudson River, NY-NJ Harbor



CUI

# USACE FRM PROGRAMS

## Technical Assistance

- Planning Assistance to States (PAS)
- Floodplain Management Services (FPMS)
  - Base Program (Special Studies)
  - Interagency Nonstructural

## Planning, Design, and Construction

- Continuing Authorities Program (CAP)
- General Investigations (GI)





U.S. ARMY

CUI

# PLANNING ASSISTANCE TO STATES (PAS)



4

**Statute:** 42 USC 1962d-16

## Types of Assistance:

**Comprehensive Plans:** how to develop, use, and conserve water & related watershed and ecosystem resources, and recommendations for appropriate federal participation in carrying out such plans

**Technical Assistance:** hydrologic, economic, and environmental data & analyses for water resources management

**Partners:** states, Tribes, U.S. territories, groups of states, non-federal interests working with a state or group of states, local governments, regional coalitions of governmental entities, non-federal public bodies

**Costs:** Are shared 50% federal, 50% non-federal; Typically range from \$25,000 - \$100,000+ per project

## Key Considerations:

- Typical duration is 12 - 24 months
- To request new project, send USACE a letter (template available)
- May include design only to the level of conceptual plans – no detailed designs or plans or specs
- Not for construction
- Annual program limit is \$5M per state, tribe, or territory
- Projects are started on a rolling basis – first come, first served

CUI



U.S. ARMY

CUI

# PAS ASSISTANCE EXAMPLES

5



- Preparation of water resources management plans including watershed management plans, stormwater management plans, floodplain, shoreline, sediment... and others
- Decision support tools
- Economic, environmental (species, habitat, HTRW), hydrologic, hydraulic, and geospatial analyses to support water resources planning
- Flood inundation modeling and mapping
- Lists of non-structural and structural flood risk management measures
- Rough order-of-magnitude cost estimates for FRM measures
- Loss Avoidance Studies

*In support of protecting, restoring, and enhancing water and wetlands (post-Sackett Decision):*

- Wetland delineations and mapping
- Stream, riparian, and wetland assessments and surveys
- Ecosystem restoration planning
- Support for water-related program and regulation updates
- Nature-based solutions and green infrastructure
- Beneficial use of dredged material for habitat creation or restoration
- Aquatic habitat surveys
- Water quality studies

CUI



U.S. ARMY

# FLOODPLAIN MANAGEMENT SERVICES (FPMS)

6



**Statute:** 33 USC 709a

**Purpose:** to compile and share information on floods and floodplain management, to reduce flood risk and improve resiliency

**Special Study:** USACE assists one partner

**Interagency Nonstructural FPMS:** USACE cooperates with at least two other governmental partners

**Costs:** \$40 - \$150K per project; cost-sharing varies

## **Examples:**

- Nonstructural flood proofing assessments
- Flood inundation modeling and mapping
- Flood risk communication and assessments
- Mitigation planning
- Emergency tabletop exercises



## **Key Considerations:**

- Typical duration is 12 - 18 months
- To request new project, send USACE a letter (template available)
- May include design only to the level of conceptual plans – no detailed designs or plans or specs
- Not for construction
- Special studies are started on a rolling basis; interagency nonstructural proposals are put in annually





U.S. ARMY

# CONTINUING AUTHORITIES PROGRAM (CAP)

7



## Overview:

- Support smaller community projects without lengthy study and authorization process.
- Allows for planning, design, and construction of projects within the Great Lakes and Ohio Division generally less than \$15M.

## Funding/Cost Share:

- Nonfederal cost share required but varies by authority
- \$10M federal spending limit

## Examples:

- **Section 14:** Emergency Streambank and Shoreline Protection
- **Section 103:** Hurricane and Storm Damage Reduction (Beach Erosion)
- **Section 205:** Flood Damage Reduction
- **Section 206:** Aquatic Ecosystem Restoration

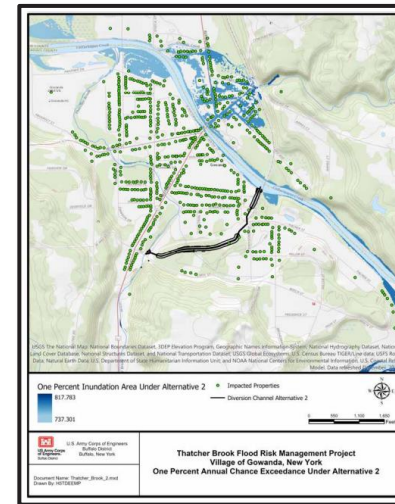
Below: Grand River Bank Street Section 14 Project in Painesville, OH



Figure 3-6: Location of the old access road (looking east towards the pump station).

Above: Lake County RWPS Section 103 Project in Painesville, OH

Left: Thatcher Brook Section 205 Study in Gowanda, NY





U.S. ARMY

# PROCESS



1. RECEIPT OF LETTER FROM NON-FEDERAL SPONSOR IDENTIFYING NEED
2. SITE VISIT
3. RECEIPT OF FUNDING – FEDERAL INTEREST DETERMINATION
  - Documents need for study
  - Benefit to Cost Ratio greater than 1
4. IF POSITIVE – ENTER IN FEASIBILITY COST SHARE AGREEMENT – Identifies study costs
  - Cost shared study – 50% FEDERAL/50% NON-FEDERAL BASIS
5. DESIGN and IMPLEMENTATION
  - cost shared 65% FEDERAL / 35% NON-FEDERAL
  - real estate counts toward non-federal share
  - for Section 205 – non-Federal sponsor must provide 5% of Total Project Costs
  - NYSDEC must be non-federal sponsor for Section 205 projects





U.S. ARMY

# SILVER JACKETS

9



- State-led interagency teams focused on managing flood risk – each federal and state agency with an FRM mission contributes 1+ team member
- USACE receives funding to coordinate teams, e.g., by facilitating quarterly team meetings
- Each agency funds its own participation on the team and any team-related work
- Team members share knowledge, help coordinate their agencies' efforts, and collaborate on activities and projects
- Team members also discuss assistance requests their agencies have received to figure out how best to address





U.S. ARMY

# NEW YORK SILVER JACKETS

10





U.S. ARMY

# SILVER JACKETS POINTS OF CONTACT

11



## BALTIMORE DISTRICT

Tom Laczó

[Thomas.d.Laczó@usace.army.mil](mailto:Thomas.d.Laczó@usace.army.mil)

410-962-6773

## PITTSBURGH DISTRICT

Jennifer Cristobal

[Jennifer.m.Cristobal@usace.army.mil](mailto:Jennifer.m.Cristobal@usace.army.mil)

412-395-7164

## BUFFALO DISTRICT

Laura Ortiz

[Laura.v.ortiz@usace.army.mil](mailto:Laura.v.ortiz@usace.army.mil)

716-208-9387

## PHILADELPHIA

Jason Miller

[Jason.f.miller@usace.army.mil](mailto:Jason.f.miller@usace.army.mil)

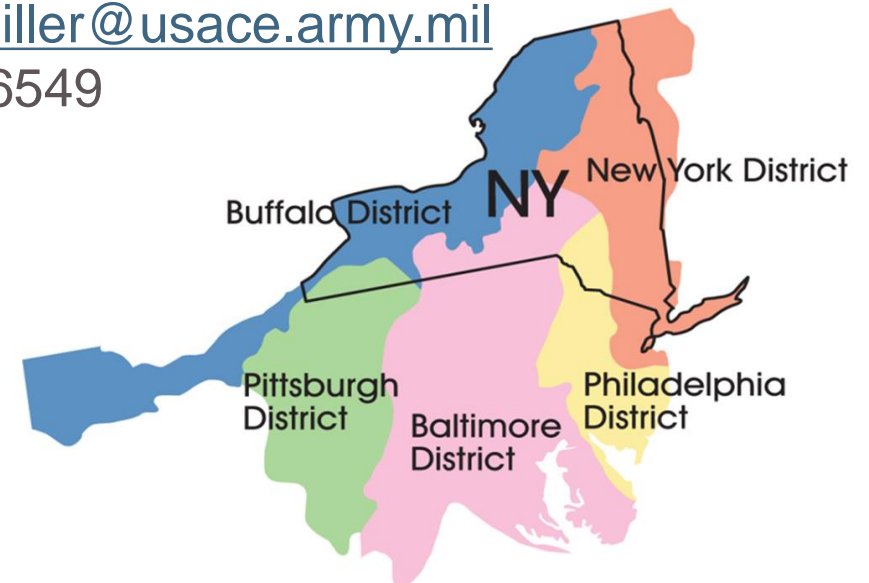
215-656-6549

## NEW YORK DISTRICT

Maya Dehner

[Maya.e.Dehner@usace.army.mil](mailto:Maya.e.Dehner@usace.army.mil)

917-790-8630







United States Department of Agriculture



► New York

**Natural  
Resources  
Conservation  
Service**



## **WATERSHED PROGRAMS**


**David Walowsky, State Design Engineer, USDA-NRCS**

david.walowsky@usda.gov

Natural  
Resources  
Conservation  
Service

[nrcs.usda.gov/](https://nrcs.usda.gov/)

# AGENDA

- ▶ Power-point presentation 15 minutes
    - ▶ Emergency Watershed Protection Program (EWPP) - Recovery
    - ▶ Emergency Watershed Protection Program (EWPP) - Floodplain Easements (FPE)
    - ▶ PL83-566 Watershed and Flood Prevention Operations (WFPO) Program
  - ▶ Question and Answer 5 minutes
- 
- A series of three parallel white diagonal lines in the bottom right corner of the slide.



# PL83-566 WATERSHED AND FLOOD PREVENTION OPERATIONS (WFPO) PROGRAM

## EMERGENCY WATERSHED PROTECTION (EWP) PROGRAM

HOW COULD THESE PROGRAM  
WORK FOR YOU?

USDA-Natural Resources Conservation Service



# EMERGENCY WATERSHED PROTECTION (EWP) PROGRAM

HOW COULD THE PROGRAM  
WORK FOR YOU?

USDA-Natural Resources Conservation Service



- ▶ EWP is a federal emergency recovery program which helps local communities recover after a natural disaster strikes
  - ▶ EWP Program has two distinct options for assisting local communities and individual landowners
    - ▶ EWP Program - Recovery
      - ▶ Response to natural disasters - sudden watershed impairment, immediate and extreme hardship
      - ▶ Relieve threat of imminent hazards to life and property caused by flooding, erosion, fires, windstorms and other natural disasters
      - ▶ Restore watershed to a stable condition
    - ▶ EWP Program – Floodplain Easements (FPE)
      - ▶ A major goal is to restore the land to the maximum extent possible to its natural conditions
      - ▶ Floodplain easements restore, protect, maintain and enhance the functions of floodplains while conserving their natural values such as serving as fish and wildlife habitat, improving water quality, retaining flood water, and recharging groundwater
      - ▶ Structures, including buildings within the floodplain easement, must be removed

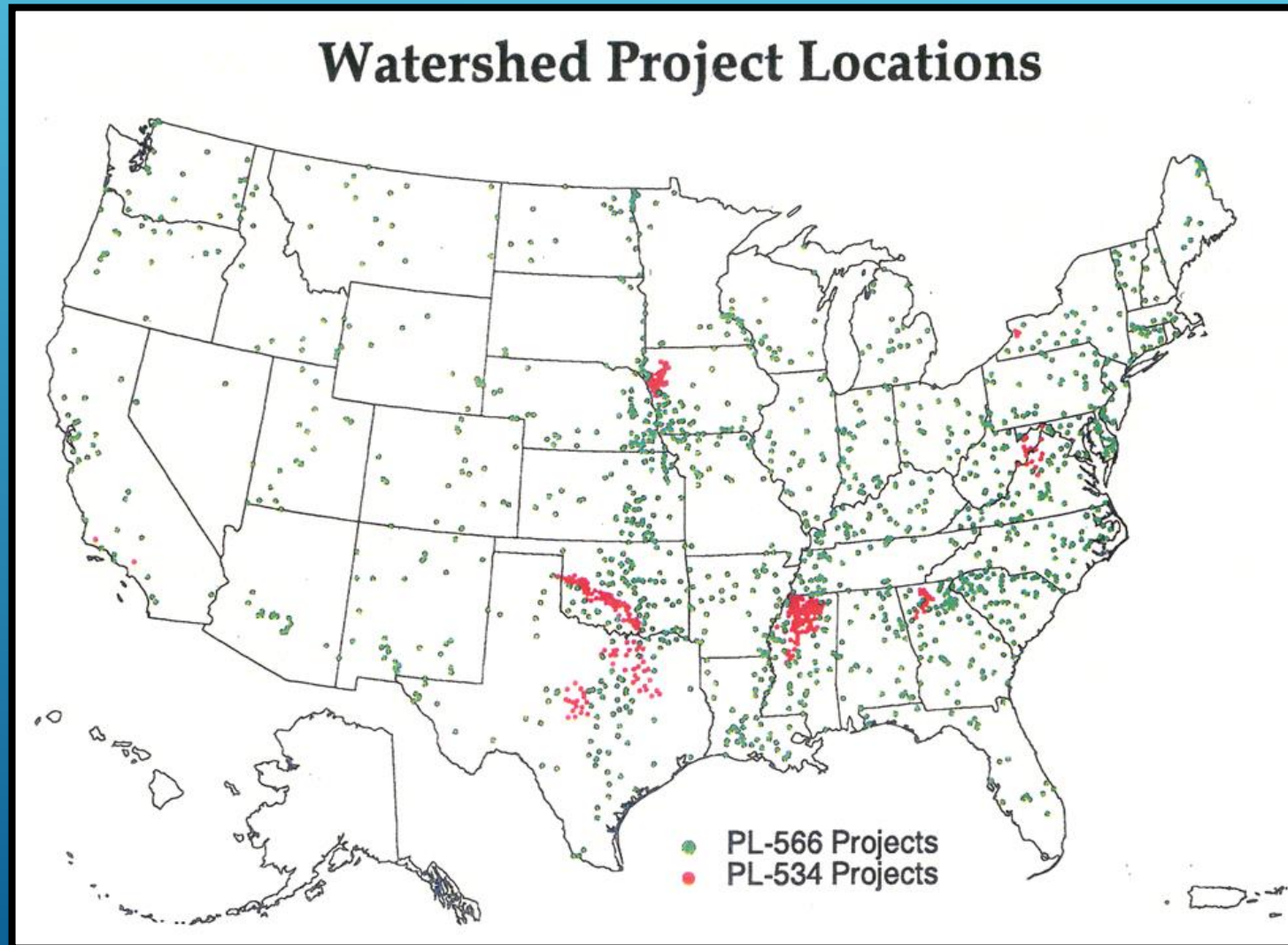
# PL83-566 WATERSHED AND FLOOD PREVENTION OPERATIONS PROGRAM

HOW COULD THE PROGRAM  
WORK FOR YOU?

USDA-Natural Resources Conservation Service

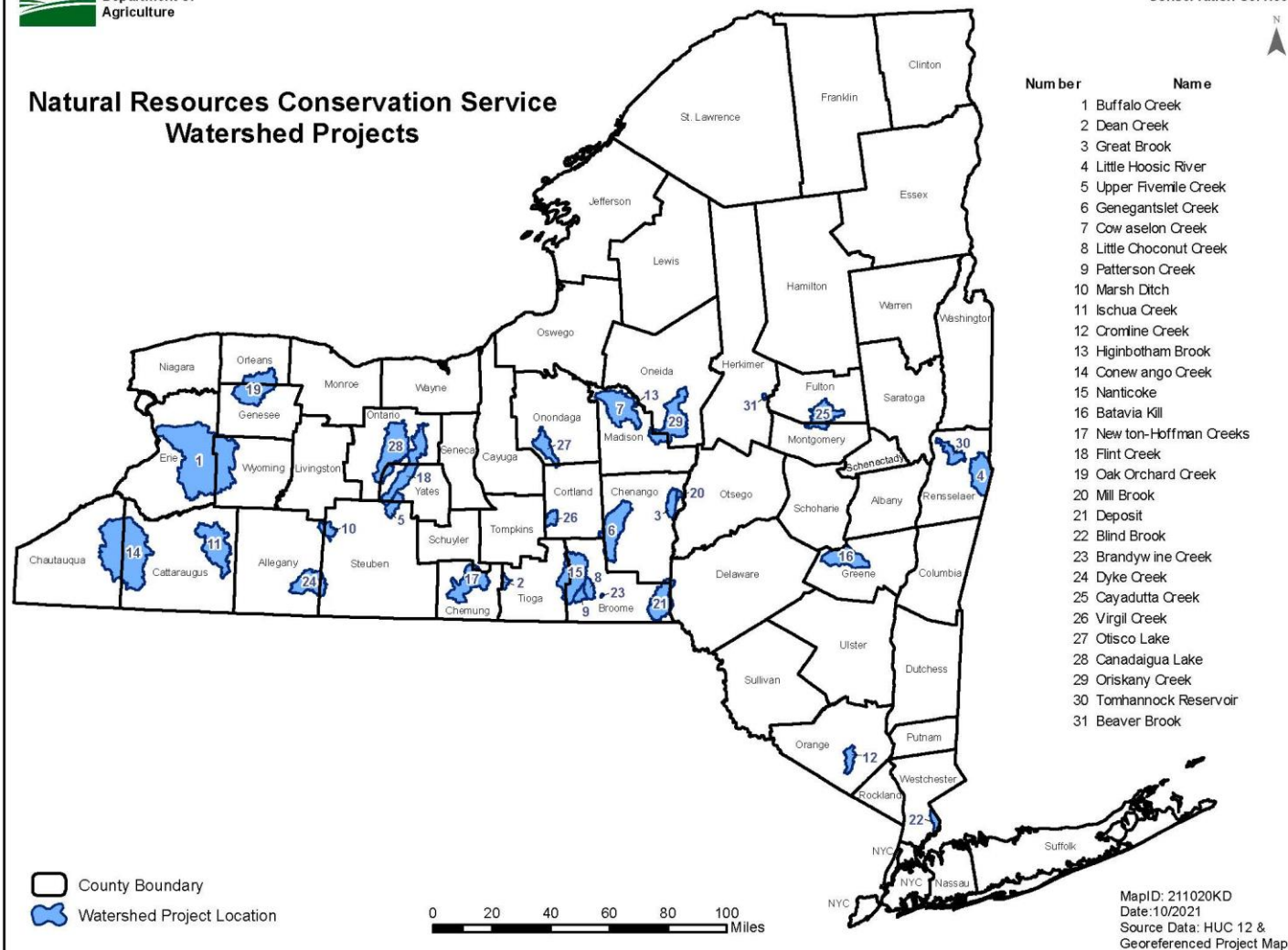


# PL83-566 WATERSHED PROTECTION AND FLOOD PREVENTION ACT (PUBLIC LAW 83-566) OF 1954





## Natural Resources Conservation Service Watershed Projects



# PL83-566 PROJECTS IN NEW YORK

- ▶ Flood Prevention (Flood Damage Reduction)
- ▶ Watershed Protection
- ▶ Public Recreation
- ▶ Public Fish and Wildlife
- ▶ Agricultural Water Management
- ▶ Municipal & Industrial Water Supply
- ▶ Water Quality Management
- ▶ \* Watershed Structure Rehabilitation



Mill Brook Site 2 Dam

## PURPOSES OF THE PROJECTS

- ▶ Public sponsorship – entities legally organized under state law
  - ▶ Projects can have one or multiple sponsors
- ▶ Watershed is under 250,000 acres – “Small Watershed Program.”
- ▶ Benefits that are directly related to agriculture, including rural communities, must be at least 20 percent of the total benefits for the project

## ELIGIBLE PROJECT CRITERIA

1. Sponsor applies for planning assistance for the project
2. Application is authorized for Project planning
3. Watershed Project Plan and Environmental Document is developed
  - ▶ After review and approvals, the Watershed Project Plan is authorized for design and construction
4. Project is designed
  - ▶ Project is permitted
5. Project is implemented/constructed

## PROCESS OVERVIEW

**WHAT ARE SOME  
POTENTIAL ALTERNATIVES?**

Several thin, white, parallel lines of varying lengths and slopes are positioned on the right side of the slide, extending from the top right towards the bottom left.



Nanticoke Creek  
Site 10



Newtown Hoffman Creek  
Site 3A



**STRUCTURAL – FLOOD CONTROL OPTIONS**





**LEVEES/DIKES**



**STREAMBANK/ SHORELINE STABILIZATION**





- ▶ Elevating Structures
- ▶ Floodproofing Structures
- ▶ Floodplain management
- ▶ Easements
- ▶ Acquisition/Buyouts
- ▶ Warning Systems

# NON-STRUCTURAL

**Application  
& Award**  
• 1 Year

**Planning**  
• 2-3 Years

**Design**  
• 2-3 Years

**Construction**  
• 2-3 Years

**GENERAL TIMELINE**





- ▶ Permits and Licenses
- ▶ Public Participation
- ▶ Watershed Management
- ▶ Financial
- ▶ Operation and Maintenance

## **SPONSOR RESPONSIBILITIES**

**Planning**

- NRCS funds 100%



**Design**

- NRCS funds 100%



**Construction**

- NRCS funds 50%-65% (generally)

**FUNDING**



**THANK YOU AND QUESTIONS?**



**Department of  
Environmental  
Conservation**

## **NYS DEC – Division of Water**

**Bailey Sawyer**, Environmental Program Specialist  
Floodplain Management  
Bureau of Flood Protection and Dam Safety  
Division of Water

# Bureau of Flood Protection and Dam Safety

- Floodplain Management
  - Works with communities participating in the NFIP to administer local regulations and increase resiliency to flooding
- Flood Protection
  - Structural flood damage reduction projects (levees, floodwalls, etc.)
- Dam Safety
  - Enforces NYS dam operation and maintenance requirements to remain compliant and in safe condition
- Coastal Erosion
  - Coastal Erosion Hazard Area (CEHA) permit program
  - Works with USACE to address erosion through large scale projects







**Department of  
Environmental  
Conservation**

# **NYS DEC – Floodplain Management Program**

**State NFIP Coordinating Office**

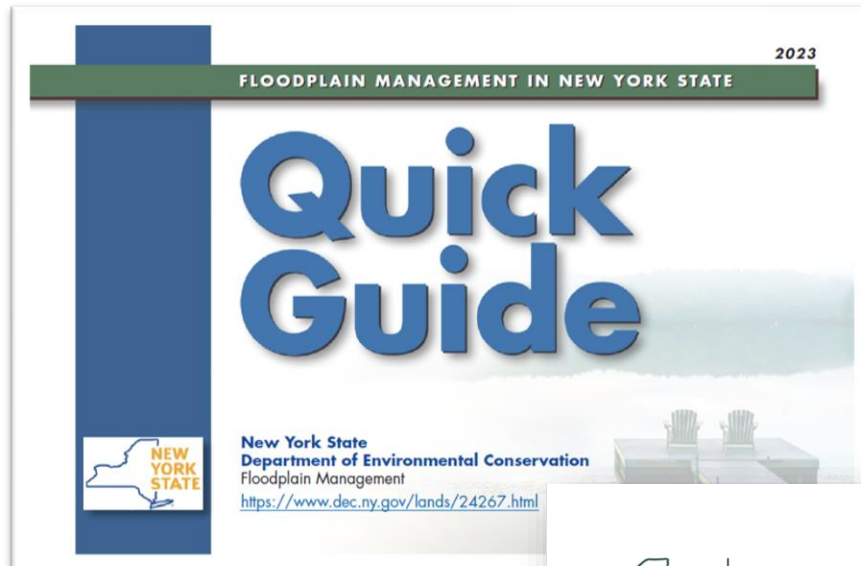


# NYS DEC's Role in the National Flood Insurance Program (NFIP)

- Community Assistance Visits (CAVs) / Community Assistance Contacts (CACs)
- Compliance Activities and Follow-up with Communities
- Flood Damage Prevention Ordinance Review
  - NYS model local law
  - Review for compliance with state and federal requirements
  - Assistance during floodplain mapping updates
- Program Technical Assistance
  - Community/County officials
  - Property owners
- Provide Trainings
  - NYSFSMA webinars
  - NYSBOC chapters
  - Regional Planning Boards



# Development of Floodplain Management Resources



## FLOODPLAIN MANAGEMENT GUIDELINES FOR SOLAR ARRAY AND WIND FARM PROJECTS



**SOLAR ARRAYS AND WIND FARMS** are collections of multiple solar panels or wind turbines that generate electricity as a system. They are often constructed across rural areas of New York State, including in floodplain areas. You should avoid or minimize negative impacts to floodplain areas during installation of these projects.

The site construction plans should delineate all floodplain and floodway areas. Design criteria for areas of floodplain disturbance include:

- 1. AVOID FLOODWAY AREAS**, if possible. Conduct hydraulic and hydrologic analysis showing no-rise (0.00 feet) if any development will encroach into designated floodway (see item 3 below).
- 2. FOR SOLAR ARRAYS:** Elevate the lowest edge of all photovoltaic panels, when at full tilt, at least 2 feet above the Base Flood Elevation (BFE) in Zone AE or Zone A1-A30. If the site is in Zone A, with no BFEs, the panels must be elevated at least 3 feet above the Highest Adjacent Grade of the full tilt position. Column embedment must be enough to provide structural stability while assuming reasonably anticipated scour during the 1% event.
- FOR WIND TURBINES:** Any buildings and all utilities associated with the project must be elevated at least 2 feet above the BFE, or 3 feet above the Highest Adjacent Grade if located in Zone A.



Persons considering a project site must check MA Flood Insurance Rate Maps (FIRM) at [msc.fema.gov](https://msc.fema.gov) to determine if any part site, or access roads, encroaches into floodplain.

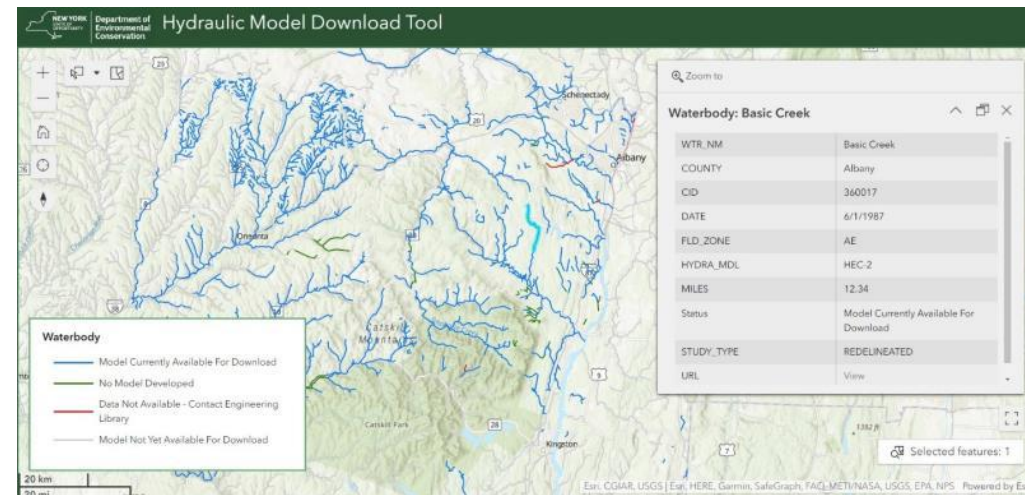
Persons must obtain a Floodplain Development Permit from the Local Floodplain Administrator for any grade change in the floodplain, including but not limited to: excavation, fill, mining, dredging, construction of buildings, installation of utilities, storage of equipment.



NEW YORK  
STATE OF  
OPPORTUNITY  
Department of  
Environmental  
Conservation

# Cooperating Technical Partner (CTP)

- Supporting FEMA Risk Analysis Branch with Mapping efforts in NYS
- Ongoing development of Base Level Engineering (BLE) mapping for counties using paper-based regulatory maps.
- BLE has been completed for the following counties: Allegany, Cattaraugus, Chautauqua, Franklin, St. Lawrence, Wyoming, and portions of Livingston
- Hydraulic Model Download Application:



[Hydraulic Model Download App \(arcgis.com\)](https://arcgis.com)

# DEC Floodplain Coordinators

## Central Office Floodplain Management Coordinators Main Number, 518-402-8185

<b>Kelli Higgins-Roche, PE, CFM:</b>	NYS NFIP Coordinator	518-408-0340	<a href="mailto:kelli.higgins-roche@dec.ny.gov">kelli.higgins-roche@dec.ny.gov</a>
<b>Bailey Sawyer:</b>	Lead for Regions 1 – 4	518-402-9148	<a href="mailto:bailey.sawyer@dec.ny.gov">bailey.sawyer@dec.ny.gov</a>
<b>Brad Wenskoski, CFM:</b>	Lead for Regions 5 – 6	518-402-8280	<a href="mailto:brad.wenskoski@dec.ny.gov">brad.wenskoski@dec.ny.gov</a>
<b>Geoff Golick, EIT:</b>	Lead for Engineering	518-402-7350	<a href="mailto:geoffrey.golick@dec.ny.gov">geoffrey.golick@dec.ny.gov</a>
<b>Victoria Agens:</b>	Floodplain Coordinator	518-402-8135	<a href="mailto:victoria.agens@dec.ny.gov">victoria.agens@dec.ny.gov</a>

## Western NY Flood Hub Floodplain Management Coordinators Assisting with Regions 7-9

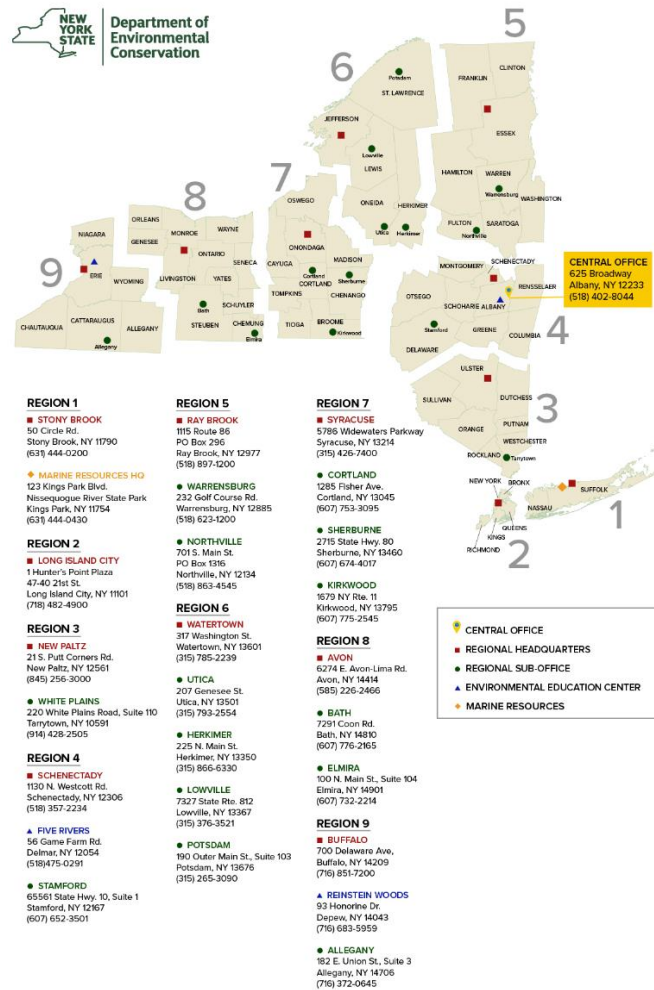
<b>Karis Manning, PE:</b>	Chief, Western Flood Hub	585-226-5445	<a href="mailto:karis.manning@dec.ny.gov">karis.manning@dec.ny.gov</a>
<b>Brienna Wirley, CFM:</b>	Lead for Regions 7 – 9	585-226-5465	<a href="mailto:brienna.wirley@dec.ny.gov">brienna.wirley@dec.ny.gov</a>

Email us at [floodplain@dec.ny.gov](mailto:floodplain@dec.ny.gov)



**Department of  
Environmental  
Conservation**





# Regional Floodplain Coordinators

Region 1 – Eric Star/Ryan Porciello

Region 2 – Jean Occidental

Region 3 North: New Paltz – Vacant (Contact Bailey Sawyer, Central Office)

Region 3 South: Tarrytown – Berhanu Gonfa, PE

Region 4 – Dave Sherman

Region 5 North – Madisen Hetman

Region 5 South – Danielle Baldwin

Region 6 – Gavin Denison

Region 7 North: Syracuse – Vacant (Contact Brienna Wirley, Flood Hub)

Region 7 South: Kirkwood – Dan Fuller, PE/Ben Girtain-Plowe, PE

Region 8 North: Avon – Jonathan Tamargo

Region 8 South: Elmira – Brad Chaffee

Region 9 – Vacant (Contact Brienna Wirley, Flood Hub)

# NYS DEC Funding Opportunities

- Water Quality Improvement Project (WQIP)
- Nonpoint Source Planning and MS4 Mapping Grant
- Wastewater Infrastructure Engineering Planning Grant

Eligible Applica...	Project Type	Funding Source	Funding Program
Academic Institutions	Aquatic Connectivity	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Agriculture Producer	Bridge Restoration	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Any organization/part...	Buffer Restoration	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Citizen of the United S...	Capacity Building	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
High Needs Public Se...	Carbon Sequestration	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Indian Nations	Cesspools	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Interstate Organizations	Climate Change	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Land Trusts	Community Develop...	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Landowners	Compliance	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Local Government En...	Conservation	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Nassau County Presid...	Conservation Easem...	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Non-profit 501(c)(3) org...	Finance	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Other	Project Phase	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Private entity	Capital Purchase	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Public entities that pr...	Construction and Imp...	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Public School Districts	Monitoring and Rese...	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Public school district...	Operation and Mainte...	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Publicly Owned Treat...		NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Regional Planning Or...	Regional Cover...	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
Regional water polluti...	Chesapeake Bay	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
	Great Lakes	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
	Hudson River Estuary	NYS Department of Environmental Conservation (DEC)	Water Quality Improvement Project (WQIP) Program
	Long Island	NYS Department of Environmental Conservation (DEC)	Environmental Restoration Program
	Long Island Sound	NYS Department of Environmental Conservation (DEC)	Environmental Restoration Program
	Nassau County	NYS Department of Environmental Conservation (DEC)	Environmental Restoration Program
	New York State	NYS Department of Environmental Conservation (DEC)	Non-Agricultural Nonpoint Source Planning Grant Program
	Northeast United Stat...	NYS Department of Environmental Conservation (DEC)	Non-Agricultural Nonpoint Source Planning Grant Program
		NYS Department of Environmental Conservation (DEC)	Non-Agricultural Nonpoint Source Planning Grant Program

NYS DEC Funding Finder Tool:  
<https://dec.ny.gov/get-involved/grant-applications/funding-finder-tool>





**Homeland Security  
and Emergency Services**

# **Hazard Mitigation Program**

**May 20, 2024**

# HAZARD MITIGATION

*Sustained actions* that reduce or eliminate long-term risk to people and property from future disasters

- Creates safer communities, reduces loss of life and damage to improved property, and diminishes financial and emotional stress
- Breaks the cycle of disaster damage and loss
- Allows communities to rebuild more quickly
- Saves money: every mitigation \$1 spent avoids an average of \$6 in future damages



Homeland Security  
and Emergency Services

# Hazard Mitigation Programs

## Hazard Mitigation Grant Program (HMGP)

Funding made available following a federal disaster declaration in New York

## Building Resilient Infrastructure & Communities (BRIC)

Nationally competitive and announced annually, subject to Congressional appropriation

## Flood Mitigation Assistance Program (FMA)

Nationally competitive and announced annually, subject to Congressional appropriation



# Hazard Mitigation Grant Program (HMGP)

HMGP assists communities in rebuilding in a better, stronger, and safer way in order to become more resilient overall. The grant program is available after a presidentially declared disaster and can fund a wide variety of mitigation projects including:

- 1) Mitigation Planning & Enforcement
- 2) Flood Protection
- 3) Retrofitting
- 4) Construction

New York State establishes priorities for each HMGP funding cycle.

# Building Resilient Infrastructure and Communities (BRIC)

BRIC replaced the Pre-Disaster Mitigation (PDM) program and prioritizes comprehensive, long-term risk reduction strategies that improve public infrastructure, mitigate risk to one or more Community Lifelines, incorporate nature-based solutions, and support adoption and enforcement of improved/modernized building codes.

## 1) Capability and Capacity Building (C&CB)

C&CB activities are those which enhance the knowledge, skills and expertise of the current workforce to expand or improve the administration of mitigation assistance.

## 2) Mitigation Projects

Cost-effective projects designed to increase resilience and public safety, reduce injuries and loss of life, and reduce damage to property, critical services, facilities, and infrastructure.



# Flood Mitigation Assistance (FMA)

The FMA program is specifically designed to reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP).

## 1) Project Scoping (previously Advance Assistance)

Activities to develop community flood mitigation projects and/or individual flood mitigation projects that will subsequently reduce flood claims against the NFIP.

## 2) Community Flood Mitigation Projects

Projects that address community flood risk for the purpose of reducing NFIP flood claim payments. Examples include, but are not limited to:

- Stormwater management
- Localized flood control
- Floodwater storage and diversion
- Floodplain and stream restoration
- Wetland restoration/creation



## Requirements: Applicants

Eligible Applicant: NYS, acting through DHSES

Eligible Sub-applicants:

- State agencies & local governments
- Federally-recognized Indian Tribal Governments
- State-recognized Indian Tribes
- Private non-profits providing government services (HMGP only, not BRIC or FMA)
- Individuals/businesses are not eligible applicants, but may be represented by their local government





## Requirements: Justice40

The Justice40 initiative establishes a goal that 40 percent of the overall benefits of certain federal investments flow to disadvantaged communities that are marginalized, underserved, and overburdened by pollution.

Hazard Mitigation Assistance programs **are included** in those covered by the federal Justice40 initiative.

New York State is prioritizing Hazard Mitigation Assistance funding for the highest-risk communities and underserved populations. Mechanisms for achieving this objective are outlined in Notices of Funding.

## Requirements: FEMA-Approved Mitigation Plans

- Sub-applicants seeking project funds must be covered by a current hazard mitigation plan

[A current mitigation plan is one approved by FEMA and adopted by the community; some plans cover a community while others were regional or county-wide efforts]
- Sub-applicants that have begun the update process when grants are announced are potentially able to meet this requirement



# Requirements: Eligibility Criteria

All mitigation projects must:

- Be technically feasible
- Be proven cost-effective using FEMA's Benefit-Cost Analysis (BCA) v6.0 software;
- Include a BCA containing all back-up/supporting documentation;
- Solve a problem independently, or constitute a functional portion of a long-term solution for which there is assurance that the project as a whole will be completed;
- Address a problem that has been repetitive or that poses a risk to public health and safety and improved property if left unresolved;
- Contribute to a long-term solution to the problem it is intended to address; and
- Account for long-term changes to the areas and entities it protects and has manageable future maintenance and modification requirements



## Requirements: Cost Share

All projects require a non-federal cost-share which may consist of cash, donated or third-part in-kind services, materials, or any combination thereof.

- The cost share for **HMGP** is typically 75% federal and 25% non-federal
- The cost share for **BRIC** is 75% federal and 25% non-federal.

*Economically Disadvantaged Rural Communities are eligible for an increase in cost share up to 90% federal and 10% non-federal.*

- The cost share for **FMA** is generally 75% federal and 25% non-federal.

*FEMA may increase the cost share to 100% federal for Severe Repetitive Loss (SRL) properties and 90% federal for Repetitive Loss (RL) properties.*

Other Federal funds cannot be used toward the non-Federal match, with some exceptions:

- Increased Cost of Compliance (ICC) payouts from a National Flood Insurance Program (NFIP) policy
- Most HUD Community Development Block Grants (CDBG)



## Eligible Activities

- Creating or updating a Multi-jurisdictional Hazard Mitigation Plan
- Planning Related Activities (including enhanced risk assessments)
- Project Scoping to result in a complete project proposal
- Acquisition and Demolition/Relocation *or* Elevation
- Structural Retrofitting; Dry Floodproofing
- Localized flood reduction measures
- Floodplain restoration, green infrastructure improvements
- Roadway elevation, culvert enlargements
- Storm water drainage system expansion/upgrade
- Retention or detention basins
- Streambank stabilization to protect infrastructure
- Placing overhead electrical systems underground





## Ineligible Activities

- Preparedness activities: shelters, sandbags
- Projects dependent on other phases for benefits
- Deferred repairs, negligence, operating expenses
- Dredging, limb & debris removal, beach nourishment
- Projects initiated or completed prior to FEMA approval



## Hazard Mitigation Programs: the Process

- State establishes priorities
- Application phase to DHSES: detailed SOW, estimate (engineering, construction, etc.), maps, Benefit Cost Analysis, etc.
- Provide information to evaluate environmental impacts
- DHSES submits eligible applications to FEMA for review



## Questions

For more information, please contact us:

Hazard Mitigation Programs

NYS Division of Homeland Security & Emergency Services

1220 Washington Avenue, Bldg. 7A, Floor 3

Albany, NY 12242

518-292-2304 (Main Line)

[HazardMitigation@dhSES.ny.gov](mailto:HazardMitigation@dhSES.ny.gov)

[www.dhSES.ny.gov/recovery](http://www.dhSES.ny.gov/recovery)



Homeland Security  
and Emergency Services



U.S. ARMY

CUI

# PUBLIC SERVICE ANNOUNCEMENT - NWS

56



This is a reminder that the National Weather Service's new **NWPS website** will go public on **Wednesday, March 27th**. Beginning on that date, NWPS (National Water Prediction Service) will be the National Weather Service's primary web dissemination platform for critical hydrologic information, replacing the current AHPS webpage with which many of you are familiar. The AHPS webpage will remain active for another 60 days, running in tandem with NWPS until late-May. After that, the AHPS page will be retired and the old AHPS link will simply forward users to the NWPS page.

There is a preview NWPS webpage that is currently available to users at <https://preview.water.noaa.gov/>.

Beginning March 27th, the official NWPS web address will transition to <https://water.noaa.gov/>.

<https://www.weather.gov/owp/operations/>.

Thank you for your continued partnership with the National Weather Service. We look forward to working with you as the NWS continues to evolve and modernize. Please let me know if you have any questions or concerns.

CUI