

OVERVIEW OF USACE PROGRAMS AND AUTHORITIES

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FIVE DISTRICTS ENCOMPASS NEW YORK STATE STRATEGIC OUTLOOK



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FLOOD RISK MANAGEMENT PROGRAMS

FLOOD PLAIN MANAGEMENT SERVICES (FPMS)

Section 22 – Planning Assistance to States and Tribes

Congressionally Authorized Studies (General Investigations)

Continuing Authorities Program (CAP)

Section 205

Section 103

Section 14

Silver Jackets

Emergency Management – PL 84-99


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FLOOD PLAIN MANAGEMENT SERVICES PROGRAM

1. 100% FEDERALLY FINANCED
2. ENABLES USACE TO PERFORM A VARIETY OF STUDIES
3. TYPES OF STUDIES:
 - Flood Plain Delineation
 - Dam Break Analyses
 - Flood Warning/Preparedness
 - Flood Proofing
 - Inventory of Flood Prone Structures
 - Flood Protection Risk Analyses
4. OPPORTUNITIES: technical expertise of Corps
5. CHALLENGES:
 - Limited funding
4. HOW TO ENGAGE USACE: Letter stating type of work needed

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PLANNING ASSISTANCE TO STATES AND TRIBES-

SECTION 22

1. The PAST program authorizes the Corps to conduct **TECHNICAL STUDIES** dealing with water resources issues including water supply and demand, water quality, environmental conservation or restoration, wetlands, dam safety, flood risk management, flood plain management, coastal zone management, and harbor/port studies
 - Cannot be used to develop plans and specifications
 - Does not lead to construction
2. **COST SHARED: 50% Federal/50% non-Federal**
3. **In-Kind Services can be 100% of non-Federal share**
4. **State Limit: \$2,000,000/state**
5. **HOW TO ENGAGE USACE:**
 - Contact USACE with concern
 - USACE meets to discuss concern
 - Scope of work and associated cost estimate prepared
 - Non-Federal sponsor signs Cooperation Agreement
 - Funding Provided

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CONTINUING AUTHORITIES PROGRAM (CAP)

Continuing Authorities refers to a group of 10 legislative authorities where the Corps is authorized to plan, design and implement certain types of water resources projects without additional Congressional authorization.

The following are applicable to Flood Risk Management:

SECTION 205 – FLOOD RISK MANAGEMENT

SECTION 103 – BEACH EROSION & HURRICANE AND STORM DAMAGE REDUCTION

SECTION 14 – EMERGENCY STREAMBANK AND SHORELINE PROTECTION

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CONTINUING AUTHORITIES PROGRAM (CAP) PROCESS

1. Initial Phase – Determination of Federal Interest – initial document which justifies preliminary economic viability of project. If viable, and there is a non-Federal sponsor the following documents are prepared:
 - Feasibility Cost Sharing Agreement – outlines responsibility of parties
 - Project Management Plan – outlines costs, activities, in-kind and duration of study

2. Feasibility Phase – Study
 - Cost Shared 50% Federal and 50% non-Federal Costs
 - Efforts are being made to reduce study time, employ risk based analysis

3. Design and Implementation
 - Plans and Specifications
 - Construction
 - Cost Shared on a 65% Federal and 35% non-Federal basis
 - Real Estate is part of non-Federal share

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SECTION 205

SECTION 205 – FLOOD RISK MANAGEMENT

Work under this authority allow construction of small flood risk management project, including features such and levees, floodwall, channel and non-structural projects

No Congressional authorization required

Under NY State Law, NYSDEC must be the non-Federal sponsor

Cost Share for Implementation: 65% Federal/35% non-Federal

Maximum Federal Cost: \$10Million

Non-Federal Contribution:

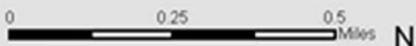
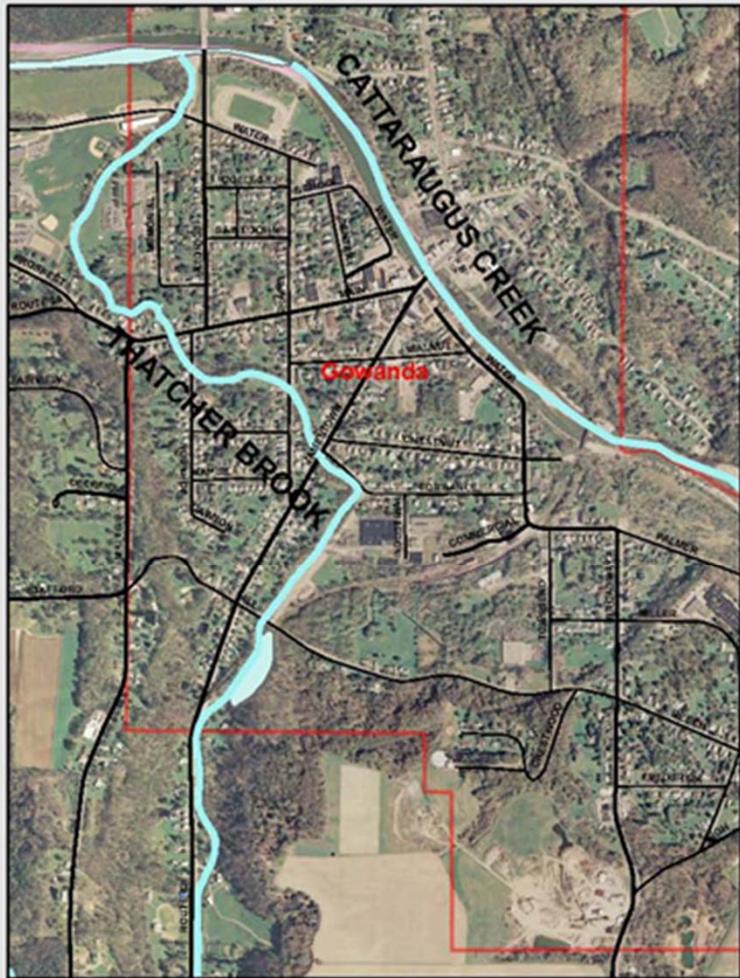
5% must be cash

Real Estate and Cash can make up the balance

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Thatcher Brook, Gowanda, NY



Legend

- Gowanda Boundary
- Streams

FLOOD OF 2009

252
177
.59

112
92
56

62
102
130

102
56
48

130
120
111



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SECTION 103

SECTION 205 – BEACH EROSION & HURRICANE and STORM DAMAGE REDUCTION

Work under this authority allows construction of projects at public properties who have experienced damage from storm driven waves

This is a Great Lakes and Coastal Authority

\$5million Federal project limit

Cost Sharing for Implementation is 65% Federal and 35% non-Federal

Non-Federal sponsor can use real estate as part of non-Federal share

EXAMPLE: Athol Springs, Hamburg, NY; project to protect Route 5



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SECTION 103



LOWER SUBP...
 MACH...
 HOUSE



ICE BRIDGE
 MACHINERY HOUSE

110'-6" CLEAR
 SO THE SAME BULKHEADS CAN BE
 USED FOR LOCKS & DAM
 PRESTRESSED CONCRETE
 TRUSSION GIRDER



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SECTION 14

SECTION 14 – EMERGENCY STREAMBANK and SHORELINE EROSION

Work under this authority allows emergency streambank and shoreline project projects to prevent damages to public facilities, such as roads, bridges, hospital, schools and water/sewage treatment plants

Cost Share for Implementation: 65% Federal/35% non-Federal

Maximum Federal Cost: \$5Million

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CIVIL WORKS – GENERAL INVESTIGATION (GI)

Congressionally Authorized for Large Scale Civil Works Projects

Planning Transformation: Studies are conducted using a risk based approach, use of existing data, more milestones and input from team, Non-Federal sponsor and stakeholders

SMART PLANNING PROCESS:

3x3x3 Rule

No Longer than 3 years

No More than \$3Million Federal (total \$6Million)

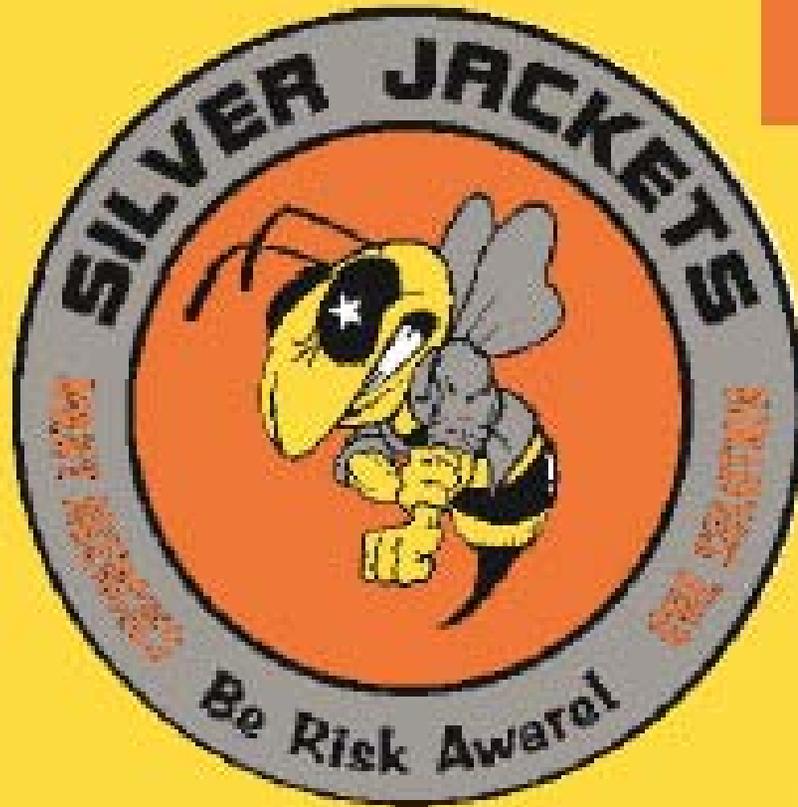
3 Levels of Vertical integration



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SILVER JACKETS

Many Agencies One Solution

- Collaboration of State, Federal, and other agencies to successfully reduce the risk of flooding and other natural disasters in the United States and enhance response and recovery efforts when such events do occur.
 - ▶ No single agency has all the answers, but often multiple programs can be leveraged to provide a cohesive solution.
- Silver Jacket programs are developed at the state level.
- Agencies involved include: NYSDEC, NYSCC, NYSDOT, NYSDOS, NYSDHES, FEMA, USACE, USGS, NOAA, and NRCS
- USACE Flood Risk Management/Silver Jackets workshop scheduled for February 2017 in St. Louis, MO



BUILDING STRONG®

INTERAGENCY PROPOSALS

FUNDED NY STATE PROPOSALS for 2017:

- 1) Ice Jam Education Awareness Training Sessions
 - 3 sessions throughout NY State
 - Locations being identified for sessions
 - Information will be provided to attendees
 - Purpose will be to educate officials on characteristics of ice, mitigation efforts and information on ice jam reporting data base

- 2) Genesee Finger Lakes Outreach Campaign
 - 2 Sessions
 - Spring – more Agency participation

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EMERGENCY MANAGEMENT

- The U.S. Army Corps of Engineers is authorized by Public Law 84-99 to provide flood emergency assistance under three categories:
 - ▶ Emergency Operations, Pre and Post Flood Fight Assistance
 - ▶ Rehabilitation of Eligible Damaged Flood Damage Reduction Projects
 - ▶ Advance Measures Projects

- USACE assistance is intended to be supplemental and not a replacement for local interests' self-help
 - ▶ This requires a request from the State.
 - ▶ Maximum use of local resources must be made before assistance from USACE can be provided.
 - ▶ Assistance can not be provided directly to individuals or businesses.

- Assistance is made available through requests submitted to the State of New York Department of Homeland Security

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WEBSITES

US Army Corps of Engineers: www.usace.army.mil

Buffalo District: www.lrb.usace.army.mil

National Flood Risk Management: www.nfrmp.us



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Questions?



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