

USACE Silver Jackets Program Orientation

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Silver Jackets is . . .

- Interagency team that coordinates and collaborates to manage/reduce flood risk.
- On-the-ground implementation of USACE National Flood Risk Management Program.

The screenshot shows the Silver Jackets website homepage. At the top is a black header with the Silver Jackets logo on the left, the text "SILVER JACKETS" in large white letters, and the tagline "Many Agencies, One Solution" below it. To the right of the header is a search bar. Below the header is a yellow navigation bar with links for "HOME", "STATE TEAMS", "GET INVOLVED", "CONTACT US", and "TEAM SITE".

The main content area is divided into several sections:

- Newsroom:** Features a photo of a group of people in a meeting. Below the photo is the caption: "Washington, D.C. Silver Jackets interagency MOU". To the right of the photo are three news items:
 - Newsroom:** "Silver Jackets will Host an October 1st Webinar on Understanding and Improving Public Response to NWS's Coastal Flood Forecasts..."
 - A New Guide to Public Alerts and Warnings for Dam and Levee Emergencies is Now Available.** "Risk reduction can be achieved through various means..."
 - Silver Jackets Website Redesigned.** "The redesigned Silver Jackets website is now available..."Below these items is a "More news" link and a double arrow icon.
- State Teams:** Features a map of the United States with several states highlighted in yellow, indicating active Silver Jacket teams.
- Silver Jackets teams facilitate collaborative solutions to state flood risk priorities.** This section contains a paragraph of text: "Silver Jackets teams in states across the United States bring together multiple state, federal, and sometimes tribal and local agencies to learn from one another in reducing flood risk and other natural disasters. By applying their shared knowledge, the teams enhance response and recovery efforts when such events do occur. While some states do not use the 'Silver Jackets' name, there are a growing number of states applying the Silver Jackets approach – the ultimate goal is a state-led interagency team in every state. No single agency has all the answers, but leveraging multiple programs and perspectives can provide a cohesive solution." Below this is another paragraph: "Although each state Silver Jackets team is unique, common agency participants include state agencies with mission areas of hazard mitigation, emergency management, floodplain management, natural resources management or conservation, etc. Federal participation typically includes the U.S. Army Corps of Engineers and the Federal Emergency Management Agency and often others such as the National Weather Service and the U.S. Geological Survey."
- The BUZZ:** A section for newsletters, featuring a banner with the text "The BUZZ A Quarterly Newsletter" and "SILVER JACKETS NEWSLETTERS". Below the banner is a photo of people in a meeting, with the caption "SILVER JACKETS IN ACTION".



USACE Silver Jackets Program

Goals

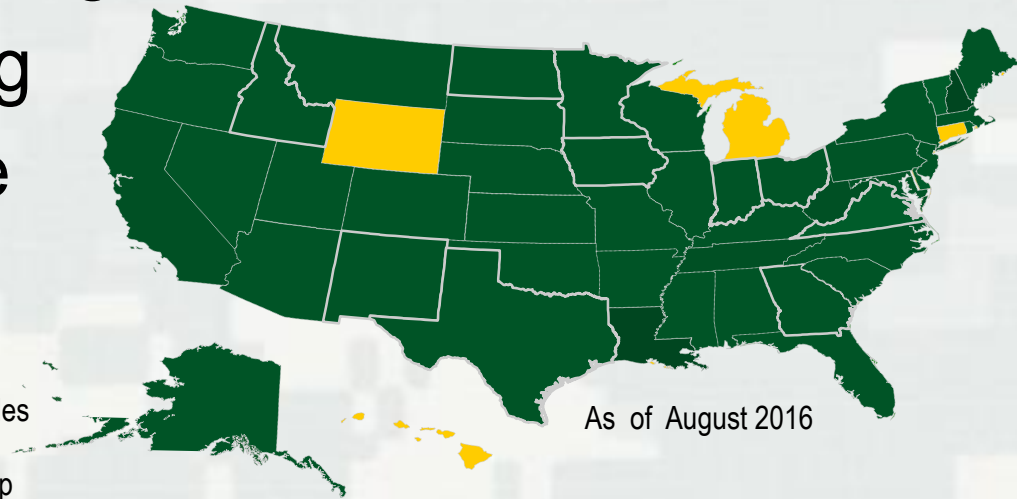
- Facilitate strategic life-cycle flood risk reduction.
- Create or supplement continuous mechanism to collaboratively solve state-prioritized issues and implement or recommend those solutions.
- Improve processes, identifying and resolving gaps and counteractive programs.
- Leverage and optimize resources.
- Improve and increase flood risk communication and present a unified interagency message.
- Establish close relationships to facilitate integrated post-disaster recovery solution.



Silver Jackets Teams

- State-led teams
 - Primarily flood hazard focused
- Multi-agency coordination and collaboration
 - Technical expertise, data, funding
- Strategic life-cycle risk mgt
- Shared problem solving
- Watershed perspective

- 47 Active teams (SJ) includes District of Columbia
- 4 Ongoing effort to develop interagency FRM teams



Silver Jackets Teams

- Multi-agency members, as applicable:
 - Federal Emergency Management Agency (FEMA)
 - U.S. Geologic Survey (USGS)
 - National Oceanic and Atmospheric Administration (NOAA)
 - National Weather Service (NWS)
 - U.S. Army Corps of Engineers (USACE)
 - TX Water Development Board (TWDB)
 - TX Department of Emergency Management (TDEM)
 - TX Floodplain Management Association (TFMA)
 - State Hazard Mitigation Office (SHMO)
 - Others – municipalities, counties, river authorities, etc.
- Shared problem solving and optimized resources, as applicable:
 - Technical expertise
 - Data
 - Models
 - Funding



Multiple Agency Resources



US Army Corps
of Engineers



The BUZZ Special Edition

August 2014

IN SUPPORT OF AN INTERAGENCY APPROACH

Welcome to our Special Edition of the Silver Jackets Newsletter. This edition has been prepared to provide a reference of federal agency programs, resources and training opportunities that interagency Silver Jackets teams can leverage to achieve their flood risk management goals. The contributing agencies have provided the following information to increase awareness among participating agencies:

- Agency mission statement
- Example of an interagency flood risk management project
- Programs, services and other resources summary tables
- Key agency websites
- Agency contact information

This Special Edition is also intended to support interagency project discussions at the August 2014 Interagency Flood Risk Management Project Workshop in Southbridge, MA and follow-up meetings. Discussions during the workshop will center on how to enhance interagency collaboration, leverage agency resources, and improve project success.

We hope that this consolidated information will be useful and serve as a catalyst to increase coordination and collaboration among state and federal agencies. Increased coordination can help direct limited resources to where they are most beneficial, while improving the combined efficiency and effectiveness of agencies.

At a Glance Summary Table

| Agency | When Can Agency Provide Assistance? | | | |
|---------------|-------------------------------------|----------|------------|----------|
| | Preparation | Response | Mitigation | Recovery |
| DOT | ✓ | ✓ | ✓ | ✓ |
| EPA | ✓ | | ✓ | ✓ |
| FEMA | ✓ | ✓ | ✓ | ✓ |
| HUD | ✓ | | ✓ | ✓ |
| NOAA CSC/OCRM | ✓ | | ✓ | ✓ |
| NOAA NWS | ✓ | ✓ | ✓ | ✓ |
| NRCS | | | ✓ | ✓ |
| USACE | ✓ | ✓ | ✓ | ✓ |
| USGS | ✓ | ✓ | ✓ | ✓ |

| Inside this Special Edition: | |
|--|----|
| DOT U.S. Department of Transportation | 2 |
| EPA Environmental Protection Agency | 4 |
| FEMA Federal Emergency Management Agency | 7 |
| HUD U.S. Department of Housing and Urban Development | 12 |
| NOAA CSC/OCRM Coastal Services Center, Office of Ocean and Coastal Resource Management | 14 |
| NOAA NWS National Weather Service | 17 |
| NRCS USDA Natural Resources Conservation Service | 20 |
| USACE U.S. Army Corps of Engineers | 22 |
| USGS U.S. Geological Survey | 26 |

The BUZZ – Special Edition, August 2014

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FEMA



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Life-cycle Risk Management

Activities are Funded by Various Agency Programs

PREPARATION / TRAINING

- *Inundation Forecast Mapping*
- *High Water Mark Training*
- *Tabletop Exercises*
- *Community Rating System*
- *Joint Levee Safety Communication*

MITIGATION

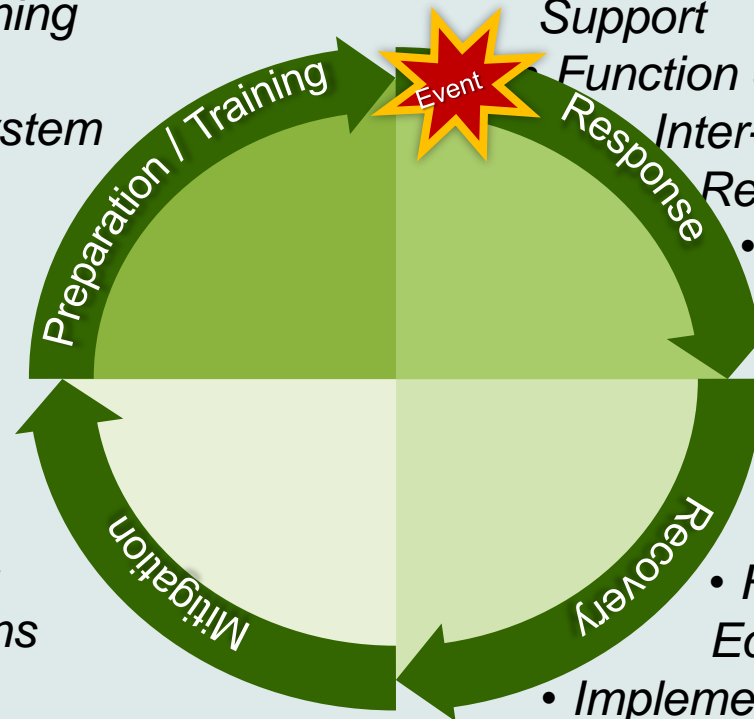
- *Evacuation Plans*
- *Inundation Mapping*
- *HAZUS Data Updates*
- *Hazard Mitigation Plans Updates and Actions*
- *Buy-Outs*
- *Interim Risk Reduction Measures for Leveed Areas*
- *Flood Insurance Rate Maps*
- *Watershed Assessments*

RESPONSE

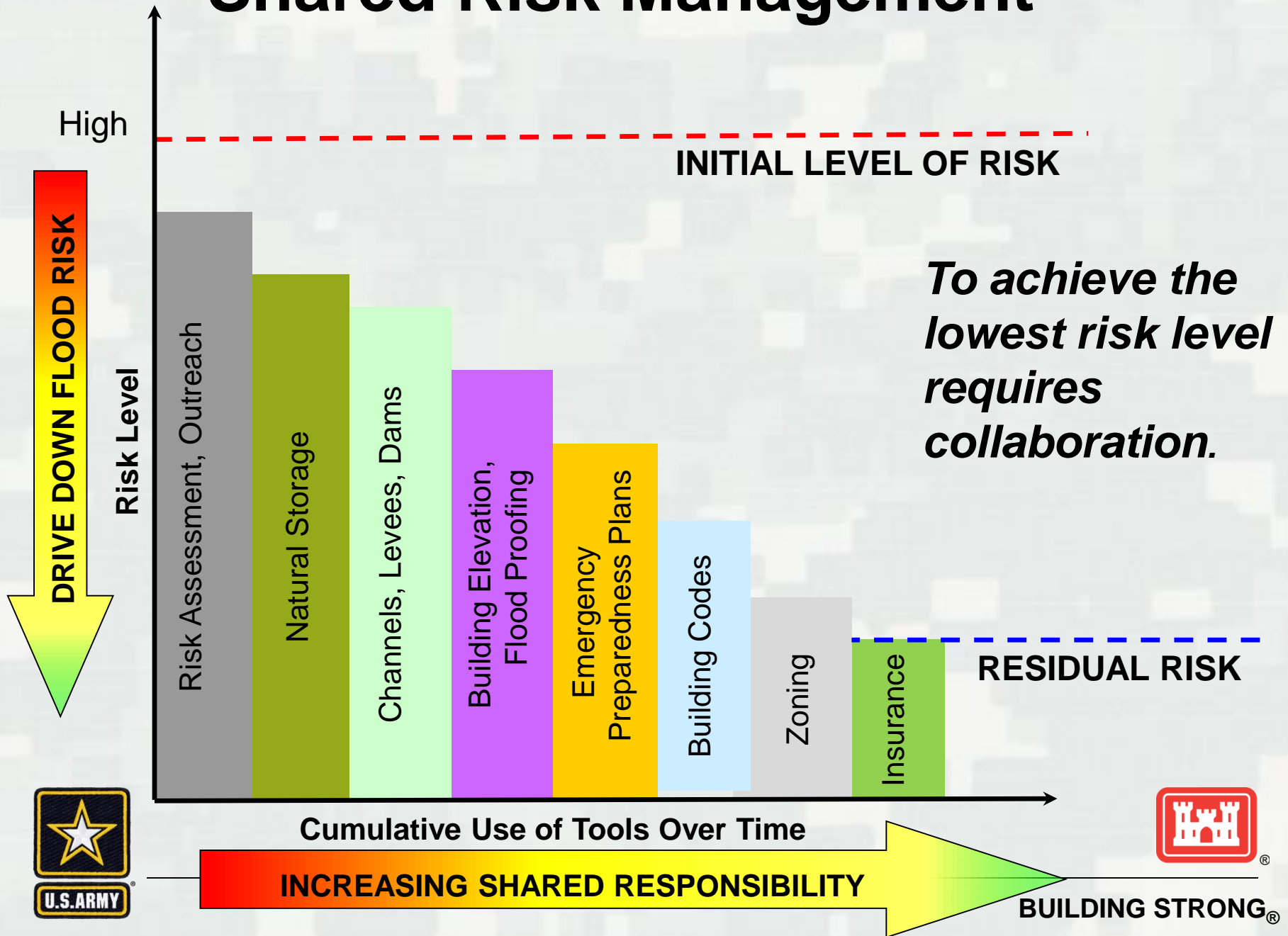
- *Natural Disaster Emergency Support*
- *Function Support*
- *Inter-state Basin Coordination*
- *Real-Time Inundation Maps*
- *Emergency Action Plans*
- *Flood Warning Systems*

RECOVERY

- *Nonstructural Measures*
- *Natural Disaster HMP*
- *Flood Risk Mgt. Training & Education*
- *Implement Nonstructural Measures*
- *Nonstructural Flood Risk Mgt. Workshops*
- *National Disaster Recovery Framework Infrastructure Systems Recovery Support Function*



Shared Risk Management



Why the name 'Silver Jackets'?



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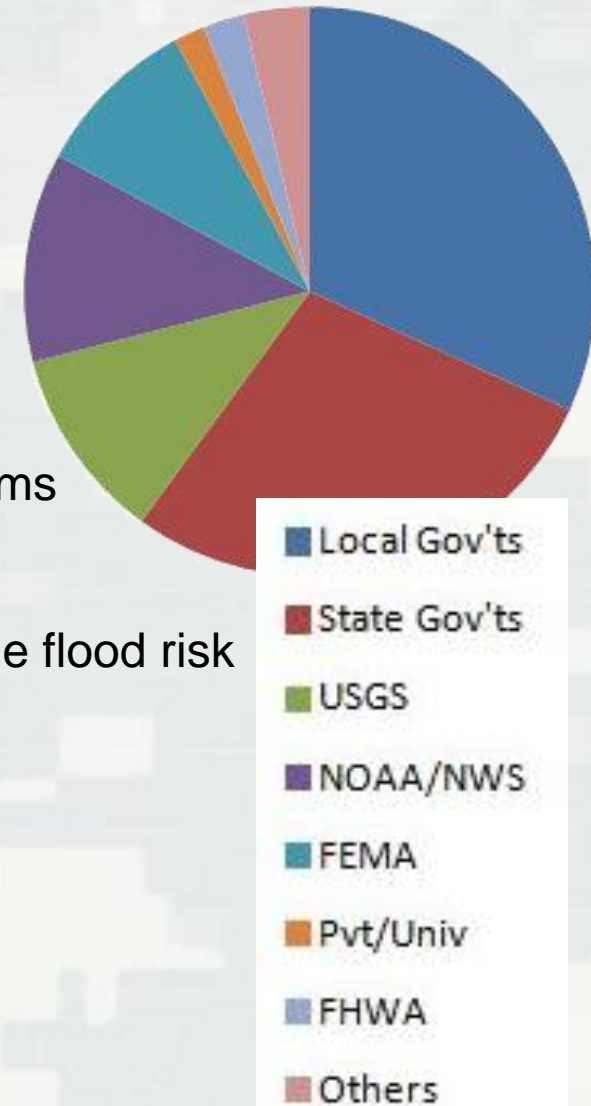
Administration's Directive to USACE

- Utilize agency's expertise in engineering to provide local communities and States with technical and planning assistance regarding development and implementation of non-structural approaches to manage and reduce flood risks.
- Flood Plain Management Services (FMPS) budget was increased
- Total projected budget in FY 2017 is \$5M - \$6M



Silver Jackets Interagency Projects

- USACE funded projects that:
 - Support state flood risk mgmt. priority
 - Leverage partner resources
 - Demonstrate measurable benefits
 - Raise awareness
 - Prompt action
 - Reduce/manage risk
 - **Not a grant:** USACE labor combined w/ partner programs
- Leveraging allows more comprehensive solutions
 - No one agency has sufficient funds/authority to manage flood risk
 - Resources primarily 'in-kind' services



Current and on-going Silver Jackets Projects

- **Texas Flood Resiliency Activities Tracker (TxFRAT)** – Partners are TDEM, TWDB, FEMA, NOAA, USGS and TFMA; \$228K
- **LifeSim Model and Update of Dallas EAP** – Partner is the City of Dallas; \$450-500K
- **San Antonio River Tournament for Integrated Flood Risk Management** – Partners are SARA and IWR; \$353K
- **Upper Trinity River Comprehensive Watershed Management Plan Phase 1** – Partners are NCTCOG and member governments; \$180K



Potential Silver Jackets Projects

- Work with regional floodplain management staff of local governments to develop a common data collection, alert and warning system/center
- Development of regulatory products for streams experiencing or which will experience growth and development
- Expansion of storm water management practices, policies, and guidance
- Various analysis, mapping and regulatory products for communities and/or watersheds
- State SJ team identified projects
- Inundation mapping for communities
- Regional model library
- Flood assessments, preparedness, and/or forecasting
- Surveying and preserving high water mark data
- Flood risk education



Other Corps Assistance Programs

| Authority (as amended) | Purpose | Cost Share (Fed / non-Fed) | Comments |
|--|---|--------------------------------------|--|
| Section 22, WRDA 1974, as amended | Planning Assistance to States (PAS) Develop plans and conduct studies related to development, use and conservation of water and related land resources. | 50% / 50% | |
| Section 206, Flood Control Act of 1960, as amended | Flood Plain Management Services (FPMS) Provide technical & planning services to encourage prudent floodplain development | 100% / 0% | Study only, does not lead to implementation or construction |
| Section 729, WRDA 1986, as amended | Watershed Planning Assess water resource needs for management, restoration and development in river basin | First \$100K Federal 75% / 25% | |
| Section 203, WRDA 2000, as amended | Tribal Partnership Program (TPP) Assist with water resources projects that address economic, cultural and environmental needs. | 50% / 50% | Construction must be Congressionally authorized and appropriated |
| Interagency & International Services | Support for Others Provide technical assistance to others (except DoD agencies and private citizens) | 0% / 100% | Thomas Act Restrictions |

Continuing Authorities Program

| Authority | Purpose | Design & Construction Cost Share (Fed - Non-fed) | Fed. Project Limit |
|---|--|---|--------------------|
| Section 14 , 1946 Flood Control Act, as amended | Emergency streambank and shoreline protection | 65% / 35% | \$5.0 M |
| Section 103 , Rivers and Harbors Act of 1962, as amended | Beach erosion and hurricane and storm damage reduction | 65% / 35% | \$5.0 M |
| Section 107 , Rivers and Harbors Act of 1960, as amended | Navigation improvements | Varies, based on harbor design depth | \$5.0 M |
| Section 111 , Rivers and Harbors Act, as amended | Shore damage mitigation caused by Federal navigation projects | Shared in same proportion as project causing damage | \$10.0 M |
| Section 204 , Water Resources Development Act (WRDA) of 1992, as amended | Environmental restoration projects in connection with dredging | 65% / 35% Above base plan cost | \$10.0 M |
| Section 205 , 1948 Flood Control Act, as amended | Flood damage reduction | 65% / 35% | \$10.0 M |
| Section 206 , WRDA 1996, as amended | Aquatic ecosystem restoration | 65% / 35% | \$10.0 M |
| Section 208 , 1954 Flood Control Act | Snagging and clearing to reduce flood risk | 65% / 35% | \$0.5 M |
| Section 1135 , WRDA 1986 | Project modifications to improve the environment | 75% / 25% | \$10.0 M |

Flood Emergency Assistance

- **Disaster Preparedness**

- Federal preparation, local coordination and training

- **Flood Emergency Response**

- Emergency flood fight assistance to local governments

- **Rehabilitation Assistance**

- Repair locally sponsored flood control projects

- **Flood Risk Management Project Inspection**

- Inspection / eligibility determination of non-Federal flood control projects

- **Water Assistance**

- Provide water due to contaminated source or drought

- **Advanced Measures**

- Emergency preventative work prior to predicted flood event



More Information

USACE Silver Jackets Web Site: <http://silverjackets.nfrmp.us/>

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