

TECHNICAL ASSISTANCE PROGRAMS

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TECHNICAL ASSISTANCE PROGRAMS

2

- **Planning Assistance to States (PAS)**
 - All things water (flooding, drought, water supply, stormwater, comprehensive planning, etc.)
- **Floodplain Management Services (FPMS)**
 - All things flooding (riverine, tidal, hurricane-driven, stormwater, compound; structural, non-structure, natural and nature-based solutions, etc.)
- **Silver Jackets (SJ)**
 - All things flooding; interagency collaboration
- **Tribal Partnership Program (TPP)**
 - All things water resources
- **Continuing Authorities Program (CAP)**
 - All things water resources
 - Planning, design, & construction generally <\$15M
- **Section 510 - Chesapeake Bay Environmental Restoration and Protection Program**
 - Design & construction assistance for projects up to <\$10M



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PLANNING ASSISTANCE TO STATES (PAS)

3

Purpose – “All things water”

Types of Projects

- Stream/wetland assessments, sewer infrastructure inventories and databases, watershed planning, flood analyses and mapping, water supply demands, econ/BCR analyses, comprehensive plans, etc.

Funding/Cost-Sharing

- 50% federal/50% non-federal to technical assistance; non-federal voluntary contributions can expand the scope of the study
- Up to 100% non-federal for comprehensive plans
- May include in-kind services

How to Get Started? What's Required?

- Contact the Program Manager
- Scope the project together
- Federal and non-federal partners sign a Letter of Agreement

More Information

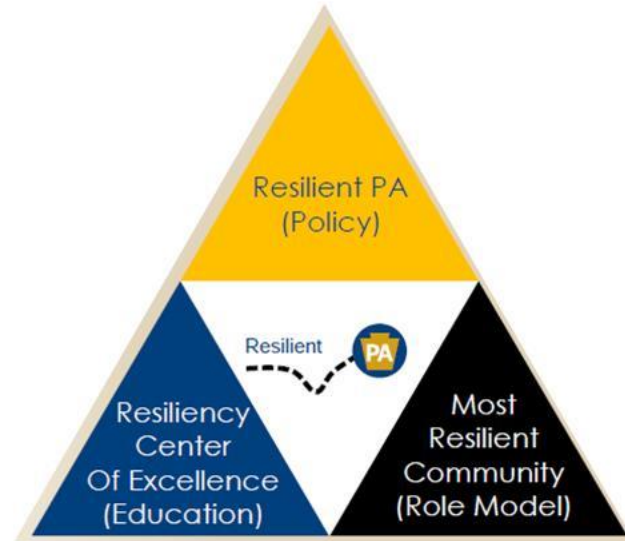
- <http://www.nab.usace.army.mil/technical-services/>



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PAS - MUNCY FLOOD RISK MANAGEMENT STUDY



Partners: Lycoming County, PA; Muncy Bank and Trust; Susquehanna River Basin Commission

Project Description: Muncy Borough requested assistance to support their initiative to become a Resilient City and address flooding issues.

Objectives:

- Data collection
- Hydrologic and hydraulic modeling
- Stormwater modeling
- Develop alternatives to address riverine and stormwater flooding
- Economic analysis

FLOOD PLAIN MANAGEMENT SERVICES (FPMS)

5

Purpose – “All things flood”

Types of Projects

- Flood inundation tools and mapping, risk communication, flood risk assessments, mitigation planning, post-flood documentation, emergency table top exercises, flood preparedness and more
- Key opportunity to support National Hurricane Program

Funding/Cost-Sharing

- Up to 100% Federal funds; non-federal voluntary contributions can expand the scope of the study

How to Get Started? What's Required?

- Contact the Program Manager
- Scope the project together
- Federal and non-federal partners sign a Letter of Agreement, if there is a non-federal contribution

More Information

- <http://www.nab.usace.army.mil/technical-services/>

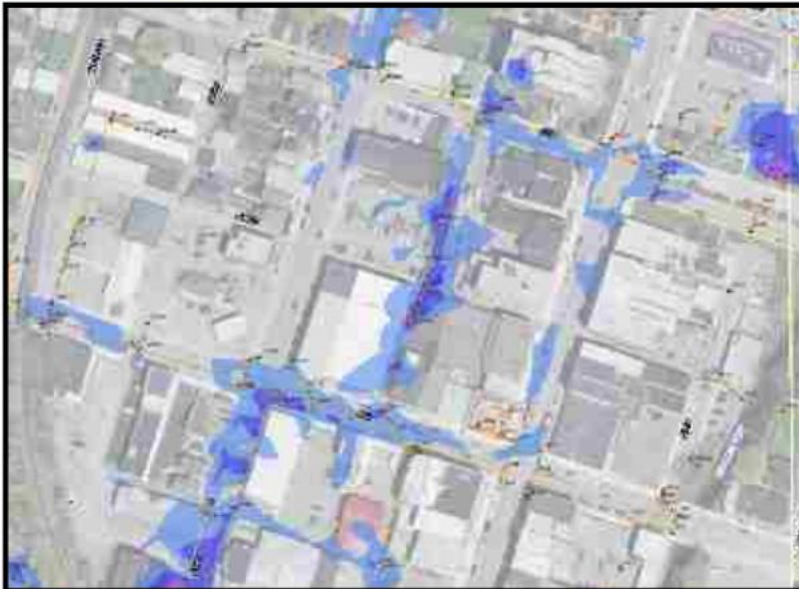


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FPMS – TYRONE BOROUGH, PA

FLOOD RISK ASSESSMENT



Partner: Borough of Tyrone, Pennsylvania

Project Description: The Borough of Tyrone has a lengthy history of severe flooding from the Little Juniata River and Bald Eagle Creek as well as stormwater related flooding that has caused property and roadway damages.

Objectives:

- Complete hydraulic and hydrologic, and stormwater modeling
- Develop conceptual alternatives to address riverine and stormwater flooding In addition, Conduct building surveys
- Develop a database for the building information

SILVER JACKETS (SJ)

Purpose – State-led, interagency federal, state and local stakeholders focused on sharing knowledge and collaborating on projects to reduce flood risk and enhance response and recovery

Types of Projects

- Flood inundation tools and mapping, risk communication, flood risk assessments, mitigation planning, post-flood documentation, emergency table top exercises and more

Funding

- USACE accepts proposals annually; competitive
- Must be multi-agency effort
- Agencies secure their own funds to participate in the project or to complete tasks
- **No signed agreements between participating parties**



More Information

- <http://silverjackets.nfrmp.us/>



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SILVER JACKETS – NON-STRUCTURAL FLOOD PROOFING WORKSHOPS IN PA AND MD



PENNSYLVANIA FLOOD PROOFING WORKSHOP
AUGUST 2018



Project Description: Through the PA and MD SJ team, a series of non-structural flood proofing workshops were held in PA and MD. The workshops were help for local officials and the public to provide information on various types of federal and state programs available to assist communities and individuals with non-structural solutions to manage flood risk.

PA Silver Jackets Partners: USACE, FEMA, PA Emergency Management Agency, PA Dept of Environment Protection, PA Dept of Community and Economic Development, PA Historic and Museum Commission

MD Silver Jackets Partners: USACE, FEMA, MD Dept of Environment, MD Emergency Management Agency, MD State Highway Administration, MD Historic Trust, MD Dept of Natural Resources, and Eastern Shore Land Conservancy

COST-SHARE REDUCTION FOR TERRITORIES AND TRIBAL NATIONS

➤ **Adjusted Waiver = \$530K for FY22**

- Based on inflation
- Does not Apply to: Environmental Infrastructure and Watershed Studies
- Applies to large feasibility studies or technical assistance

➤ **Ability to Pay**

- Reduces cost-share to 10% (or 25% of a reduced project total) for EACH phase of the project
- Based on Per Capita Income
- Compare the Partner Per Capita to the rest of the Country
 - Partner's Per Capita Income < 2/3 of US Per Capita Income



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CONTINUING AUTHORITIES PROGRAM (CAP)

10

Purpose – planning, design and construction for projects generally <\$15M

Types of Projects

- Streambank and Shoreline Protection
- Flood Risk Management & Coastal Storm Risk Management
- Navigation
- Beneficial Use of Dredged Material
- Aquatic Ecosystem Restoration

Funding/Cost-Sharing

- Varies based on type of project
- Non-federal share may include in-kind services

How to Get Started? What's Required?

- Contact the Program Manager
- Provide a Letter of Intent
- Sign a feasibility cost-sharing agreement

More Information

<http://www.nab.usace.army.mil/Missions/Civil-Works/cap/>



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CAP – ASSUNPINK CREEK DAYLIGHTING, NJ



Partner: City of Trenton, NJ

Program: Improvement to the Environment (of a past Corps project)

Project Description:

- Removal of concrete box culvert to daylight creek
- Promote fish passage and migration
- Restore benthic habitat and increase biodiversity
- Create riparian zone for wildlife
- Improved runoff water quality by acting as a sediment and pollutant filter
- Recreational and aesthetic improvements in urban area



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CAP – LIDY CREEK, LUZERNE COUNTY, PA

12



Partner: Dupont Borough, PA

Program: Emergency Streambank Stabilization, Section 14

Project Description:

- Streambank stabilization of approximately 200 linear feet of Lidy Creek.
- Riprap placed along 90 linear feet where the sewer line was exposed on the south bank and the road bed of Center Street that runs parallel to the creek.
- Random placement of native rock and stone was placed for 200 linear feet, to create a stable stream system and improve habitat.



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SECTION 510 OF THE WATER RESOURCES DEVELOPMENT ACT

Chesapeake Bay Environmental Restoration and Protection Program

Purpose – design and construction assistance for projects up to \$10M within the Chesapeake Bay Watershed

Types of Projects

- Sediment and erosion control
- Protection of eroding shorelines
- Ecosystem restoration, including submerged aquatic vegetation
- Beneficial Uses of Dredged Material
- Protection of essential public works
- Other related projects that may enhance the living resources of the estuary

Funding/Cost-Sharing

- scoping phase is funded 100% federal to a limit of \$100,000
- 75% federal and 25% non-federal

How to Get Started? What's Required?

- Contact the Program Manager
- Provide a Letter of Request
- Sign a Project Partnership Agreement for the project to enter the Design and Implementation Phase

More Information

- A Program Factsheet and Sample Letter of Request can be provided upon request



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SEC 510 – CAROLINE COUNTY, STREAM RESTORATION



Partner: Caroline County Department of Recreation and Parks, MD

Program: Section 510, Chesapeake Bay Environmental Restoration and Protection Program

Project Description:

- Reduce erosion, sediment transportation and nutrient loads in the Upper Choptank River Watershed.
- Restore 2.25 acres of Delmarva bays and 2,300 linear feet of stream channels.
- Will aid in improving the headwaters that enter the Choptank River and Chesapeake Bay from the project site by reducing erosion through stream and wetland restoration.



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SEC 510 – PLUM CREEK, STREAM RESTORATION



Partner: Conewago Township, Adams County, PA

Program: Section 510, Chesapeake Bay Environmental Restoration and Protection Program

Project Description:

- Daylight the creek
- Restoring the stream to a more natural state
- Restoring roughly 1,500 linear feet of stream
- Reconnect the stream to the floodplain
- Construct an environmentally friendly and sustainable traffic bridge



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SUMMARY

Program	Cost-Sharing	Non-Federal Sponsor
PAS - water	50/50 for technical assistance; 100% non-federal contribution allowable for comprehensive plans; inkind services	Any State or non-federal entity working with a State
FPMS - flooding	Sliding scale up to 100% federal funding based on needs and ability of non-federal sponsor to cost-share; no inkind services	Federal, state, local agencies, tribes, private entities
SJ - flooding	No cost-share. All partners bring their own source of funding for their own staff/technical contributions to the scope	No exchange of \$\$; use collaboration to leverage resources
TPP – tribal lands & water resources	First \$530K cost-share waiver for FY22; Additional ability-to-pay analysis can result in tribal cost-share requirement of 10%; inkind services	Federally recognized tribes
CAP - construction	Dependent on program being used; inkind services	State or local agencies, NGOs
Section 510 - construction	D100% federal to a limit of \$100,000; 75% federal and 25% non-federal	State or local agencies, NGOs



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THANK YOU!

Questions and Discussion

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