

Agencies and Members in Attendance:

Contra Costa County- Mark Boucher, Claudia Gemberling, Michelle Cordis, Tim Jensen

Sonoma Water - Carlos Diaz, Keenan Foster

Valley Water - Jen Codianne

Vallejo San - Natalie Muradian

Zone 7 - Elke Rank, James Carney

Santa Cruz Zone 7 - Antonella Gentile

Pajaro Valley - Mark Strudley

Army Corps of Engineers - Jessica Ludy, Tami Church

BAFPAA Staff - Jennifer Krebs

1. Admin Updates
 - a. MOU - Several approved MOUs pending.
 - b. Water Board - BAFPAA Quarterly Meeting held last week. Major discussion topic was WOTUS, also permitting Q&A
2. Army Corps Presentation on Technical Assistance & Planning Support by Tami Church and Jessica Ludy. The Corps has many assistance programs with amounts changing every year based upon Congressional authorizations. The presentation is attached to these minutes.
3. Committee Updates
 - a. CHARG - has not met recently. Several white papers are in the works.
 - b. Environmental Permitting Committee - met last week. Spoke about WOTUS and cultural resources, and new bumble bee rules.
4. Other Groups
 - a. SFEP IC - No updates
 - b. Restoration Authority - No updates. Paul D will report in the future.
 - c. AQPI - Radars are in the works for 2023/2024. Scripps/CW3E will manage project after the DWR grant runs out.
5. Future Meeting topics:
 - a. Shoreline Adaptation Maps WB/BCDC
 - b. Sediment mapping around the bay, WB/BCDC
 - c. Levee failures in Santa Cruz/Monterey
 - d. CHARG White Paper(s)
6. Treasurer's Report - plenty of funds. Waiting for MOU approvals to invoice.
7. June 27, Symposium Water Management Options for Adapting to Floods.
8. Next meeting - July 10, 2023, 1:30

U.S. Army Corps of Engineers San Francisco District Programs

Technical Assistance and Planning Support Programs
Continuing Authorities Program

May 2023



US Army Corps
of Engineers®
San Francisco District

U.S. Army Corps of Engineers San Francisco District

We **partner** with governments, community groups, Tribes and Tribal organizations to address their water resource needs

We **plan, design, and construct** water resource projects:

- Ecosystem Restoration
- Navigation
- Flood Risk Management

We **permit** construction along waterways and wetlands

We **operate** and **maintain** water supply and recreational facilities

We support state emergency management and response activities

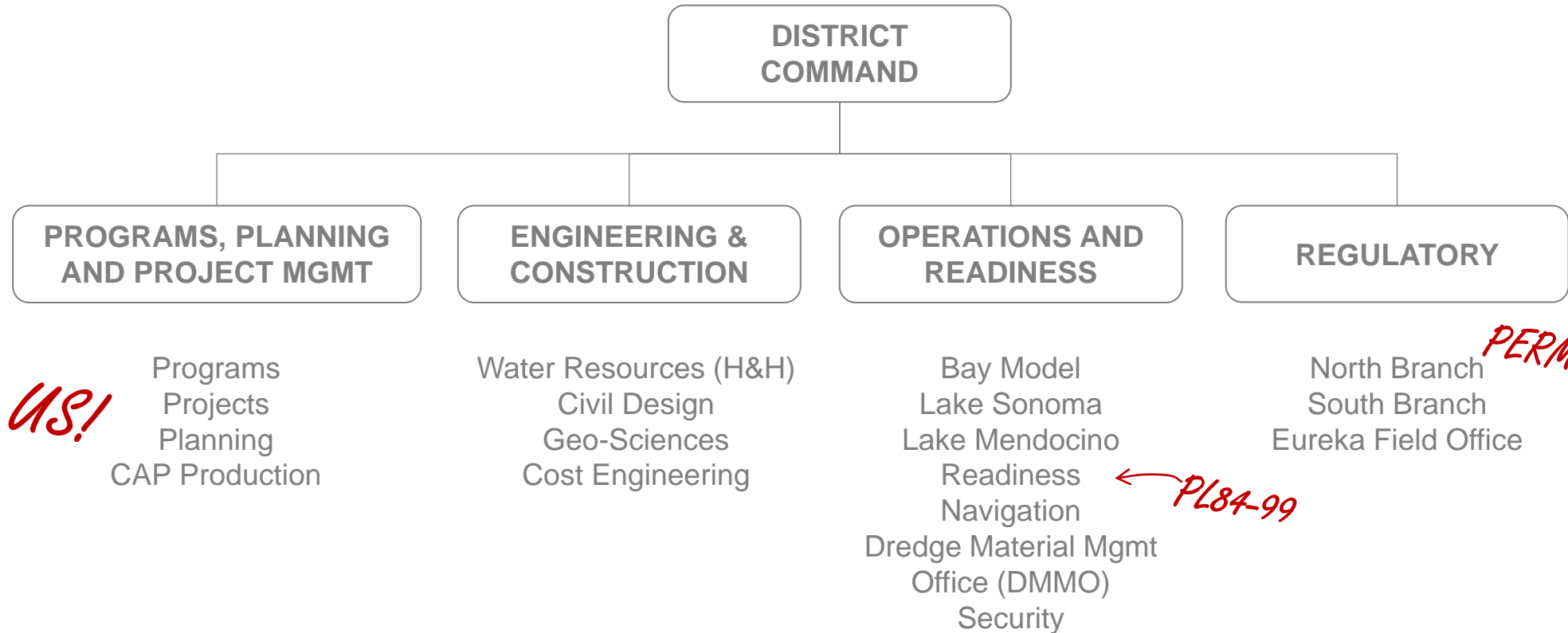
**SAN
FRANCISCO
DISTRICT**

**SACRAMENTO
DISTRICT**

**LOS ANGELES
DISTRICT**



U.S. Army Corps of Engineers San Francisco District



SF District Values

Supporting regional climate adaptation

Engineering with Nature

Tribal Ecological Knowledge

Tribal Sovereignty, Environmental Justice,
and Equity



Our Services

We plan, design, and construct
water resource projects:

Streambank and shoreline erosion reduction
Beach erosion management
Storm damage prevention and reduction
Beneficial use of dredge material
Flood risk management
Aquatic ecosystem restoration
Dredging and maintenance of navigation areas
Water Infrastructure

Programs (selected):

Continuing Authorities Program (\$)

General Investigations Program (\$-\$\$\$\$)

EXAMPLES:

Upper Guadalupe Flood Risk Mgmt

Valley Water

South Bay Shoreline

Valley Water

Pajaro River Flood Risk Mgmt Project

Pajaro Regional Flood Management Agency

Hamilton Airfield Wetland Restoration

California State Coastal Conservancy

Dry Creek Ecosystem Restoration

Sonoma Water

Oakland Harbor Turning Basins Widening

Port of Oakland

Can lead to construction



**US Army Corps
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San Francisco District

Continuing Authorities Program (CAP)

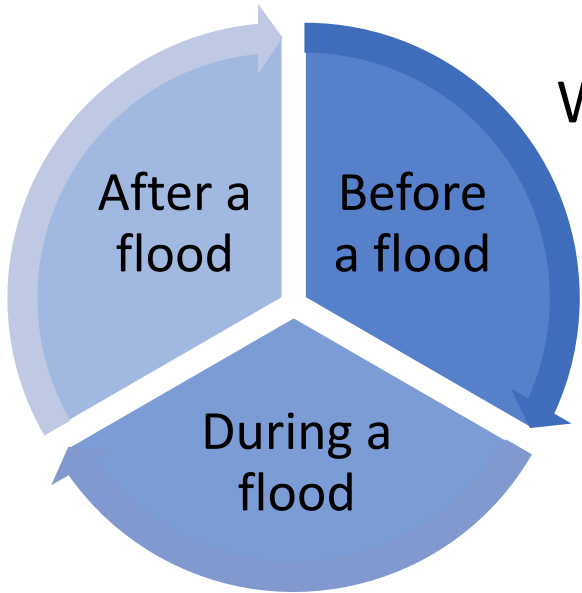
CONTACT:
Juliette Hayes

Authority	CAP Project Purpose	Cost Share (Fed/Local)*	Fed Limit
Section 14.	Streambank and shoreline erosion protection of public works and non-profit public services	65% / 35%	\$5,000,000
Section 103.	Beach erosion and hurricane and storm damage reduction	65% / 35%	\$10,000,000
Section 107.	Navigation improvements	Varied, based on depth	\$10,000,000
Section 111.	Shore damage prevention or mitigation caused by Federal navigation projects	Shared in same proportion as project causing damage	\$10,000,000
Section 204.	Beneficial uses of dredged material	65% / 35%	\$10,000,000
Section 205.	Flood control	65% / 35%	\$10,000,000
Section 206.	Aquatic ecosystem restoration	65% / 35%	\$10,000,000
Section 208.	Removal of obstructions, clearing channels for flood control	65% / 35%	\$10,000,000
Section 1135.	Project modifications for improvement of the environment	75% / 25%	\$10,000,000

*Cost share for design and construction phase. In planning phase, first \$100k is all federal expense, and after planning is cost-shared 50/50.

Technical Assistance Programs

We partner with communities, tribes, the state agencies to help understand, communicate, and manage flood and sea level rise risks.



We also have programs to support

- Comprehensive watershed planning
- Cultural resources protection from flooding
- Watershed restoration
- Training and capacity building



Technical Assistance Overview

~6 months to 1 year to initiate
No construction
“assistance” not grants.

Planning Assistance to States & Tribes

- **COVERS:** All water resources planning (*flooding, water supply, etc.*).
- Can develop, collect, and conduct hydrologic, economic, or environmental data and risk analysis to support a partner’s planning needs.
- No formal limit on budget, ~\$1M +
- **COST SHARE:** 50% Federal; 50% local.
- 100% waiver applies to Federally-Recognized Tribes and Disadvantaged Communities (*WRDA 2020, Section 160*)
- **DURATION:** 2 years (max)
- **APPLY:** Rolling

Floodplain Management Services

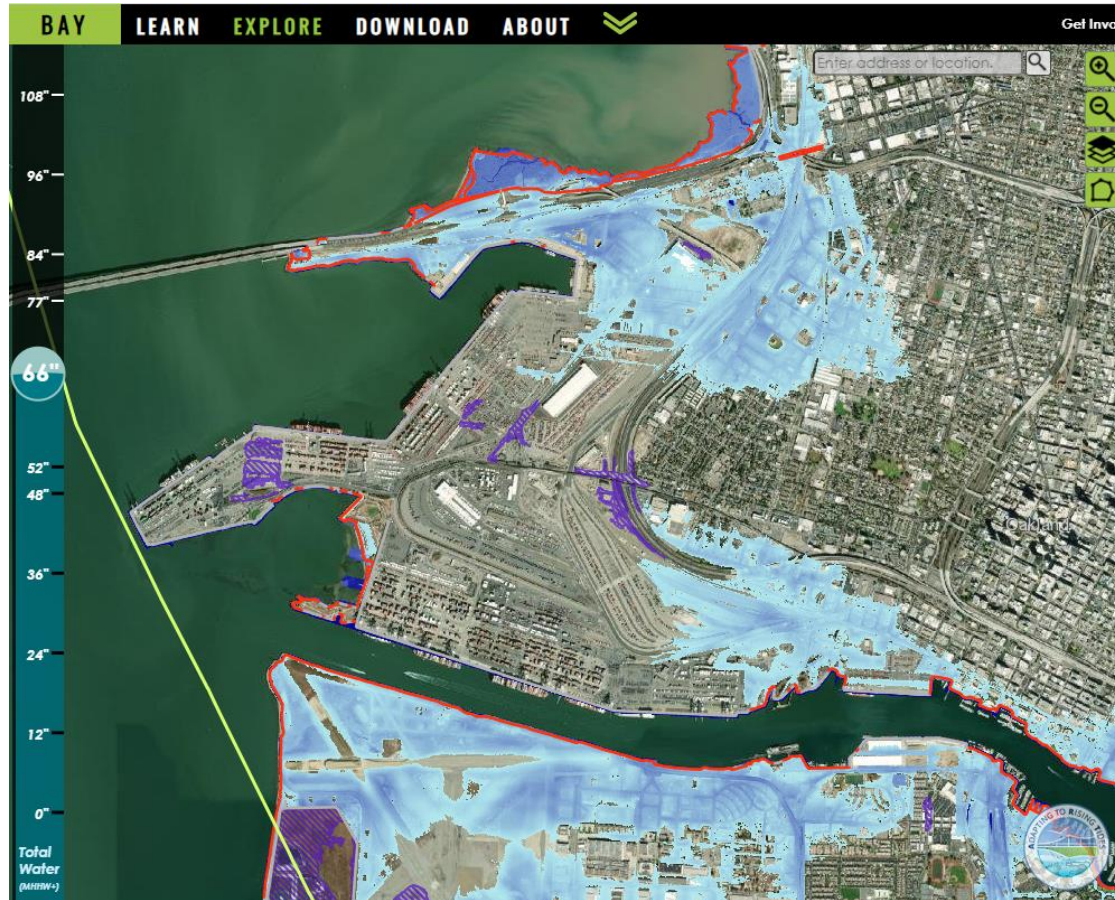
- **COVERS:** technical and planning services for all things flooding
 - *flood mapping*
 - *post-wildfire flood hazard assessments*
 - *flood warning and risk comm.,*
- ~\$150,000
- **No cost share (100% Federal).** *Sponsor can contribute funds to increase scope.*
- **DURATION:** 12-18 months
- **APPLY:** Rolling

Interagency Program (Silver Jackets)

- Interagency coordinated efforts
- Focused to reduce flood risk.
- Highly collaborative with federal, state, local agencies and community partners working together.
- **No cost share (100% Federal).**
- **DURATION:** 12-18 months
- **APPLY:** March 31

Example of Interagency Projects:

Floodplain Mapping and Hazard Assessments



This map of West Oakland Area is from the San Francisco Bay Conservation and Development Commission Shoreline Explorer

- Understand possible sources of flooding in the community
- Use existing information on flooding and sea level rise to determine priority areas with most urgent needs.
- Inventory flood prone buildings, parks, other community assets



Example of Interagency Projects:

Flood risk education and outreach

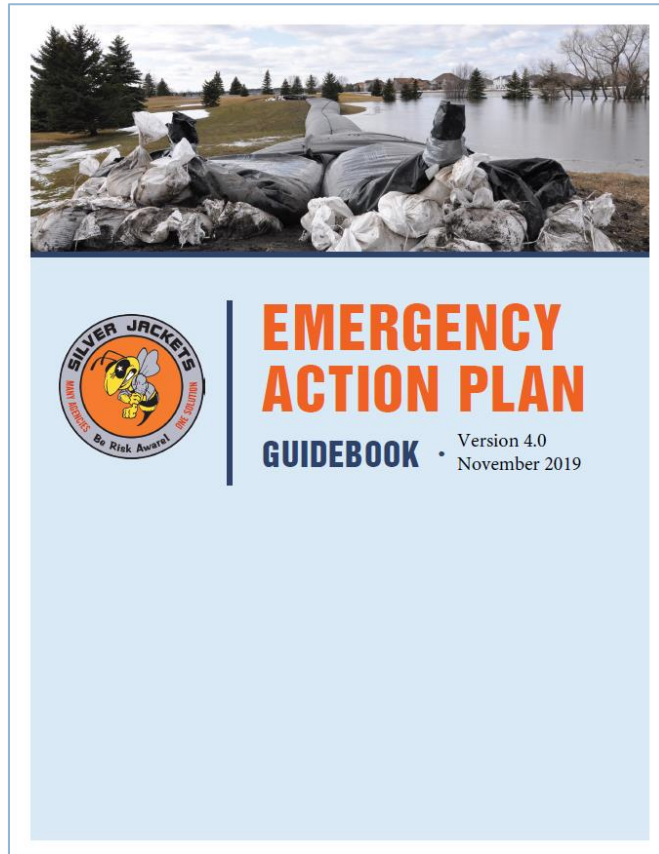


Image source: Oakland Equitable Climate Action Plan
(we did not work on this project)

- Host flood outreach events, e.g. Flood Preparedness Day
- Hold training events for city, public works, shoreline management staff, community
- Host workshops



Emergency, hazard, and climate action planning



- Identify & document actions, resources, and responsibilities for flood emergency response
- Create emergency action communication materials
- Hold workshops to identify emergency action needs
- Host Table Top Exercises



LOWER KLAMATH RIVER WATERSHED PLANNING YUROK TRIBE & USGS

Install next-Gen Water observation systems

- Model tributaries to lower Klamath River
- Inform environmental, cultural, residential uses of water to inform decision-making and climate adaptation
- Respects and reinforces sovereignty, self determination, and climate adaptation

Planning workshops and watershed priorities

Training and capacity building



Floodplain Management Services Project Example: Santa Cruz Flood After Fire Debris Flow Modeling

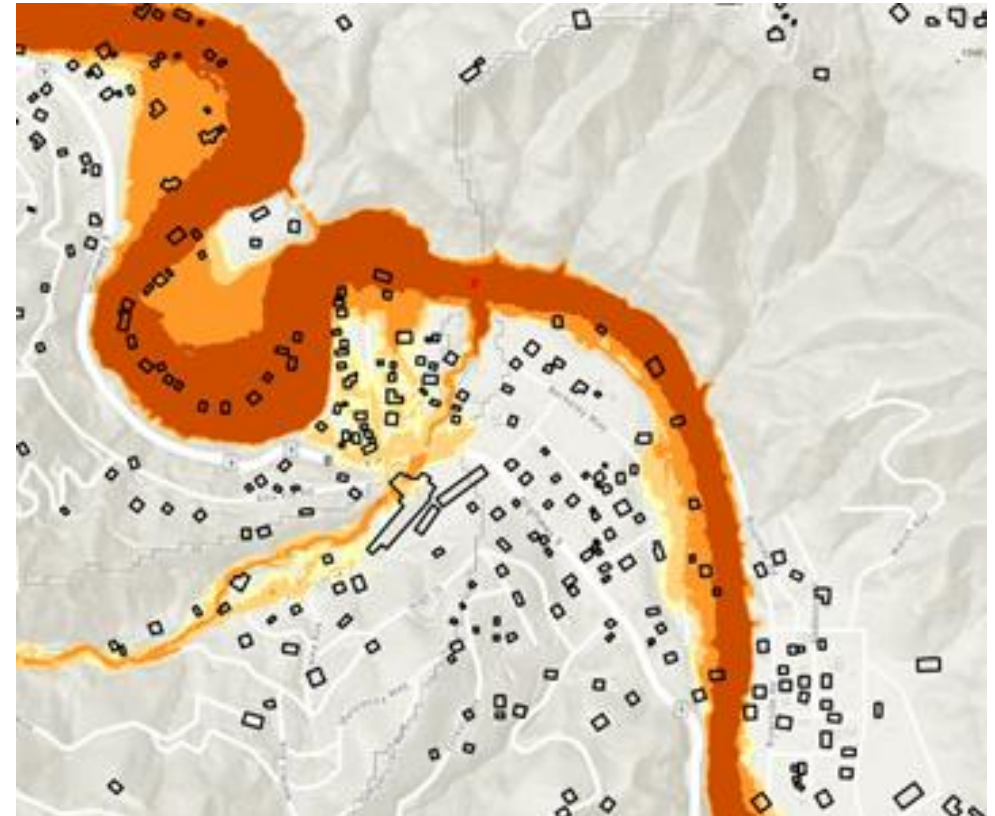
Lead Partner: Santa Cruz County

Other Partner Agencies: California Geological Survey, USGS, National Weather Service, State Water Resource Control Board

Background: CZU Lightning Complex Fire that occurred in August – September 2020 burned a total of 86,500 acres within the San Lorenzo River Watershed, leaving the landscape denuded and prone to sedimentation.

Scope: Model clearwater flooding vs. debris flow along the San Lorenzo River and tributaries affected by the fire to better understand flood risk and inform evacuation planning.

Project Delivery Timeline: November 2021 - Jan 2023

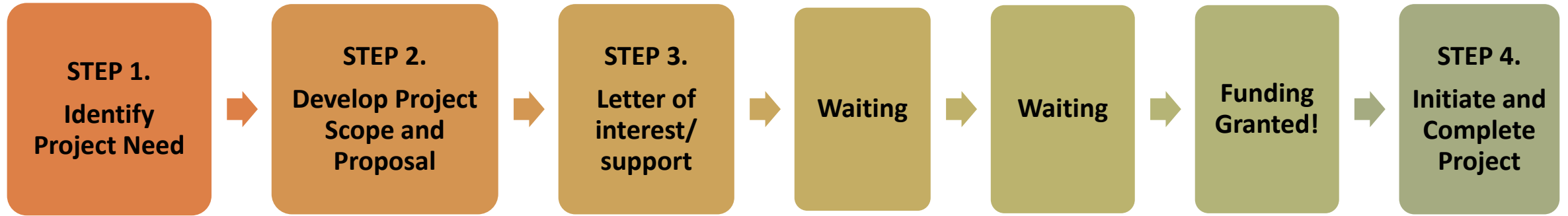


USACE SF



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How it works...



You!

The local partners



6/12/2023

Us!

U.S. Army Corps Flood Risk Program Manager



What we love about Interagency Projects

- Recognizes local expertise, and differences across communities
- Collaborative and community-driven
- Federal platform to bring resources to and awareness of community needs
- Springboards future projects and funding
- Leads to implementation



More examples of Silver Jackets and interagency projects

Technical Analysis and Planning

- Sea level rise vulnerability assessments
- Inventory of flood-prone buildings or community assets
- Nonstructural planning: “floodproofing”
- Stormwater management planning

Outreach, Training, and Communication

- Workshops and table top exercises: green infrastructure
- Risk Communication Activities
- Guides, pamphlets, risk communication materials (multi-lingual)

For more examples, click here: <https://silverjackets.nfrmp.us/Resources/Interagency-Nonstructural-Efforts?page903=1&size903=12>

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