



Association of State
Floodplain Managers



Policies, Programs and Resources: What's New in the World of Floodplain Management

SCAHM 2024 ANNUAL CONFERENCE



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ASFPM Annual Conference



June 23-27, 2024

Salt Lake City, Utah

- Nation's largest flood conference, nearly 2,000 attendees last year
- See the latest floodproofing, flood mapping, modeling and stormwater management technologies showcased in exhibit hall
- 4 plenary sessions, 12+ workshops, technical field tours and 200+ concurrent presentations
- Attend in-person or virtually



ASFPM'S MISSION

Mitigate the losses, costs, and human suffering caused by flooding.

and...



Protect the natural and beneficial functions of floodplains.



What Do We Value

- ✓ **Service** of and respect for our members and the public
- ✓ **Innovation** and technological advances in all aspects of flood risk management
- ✓ Forward thinking & **science-informed decisions**
- ✓ **Passion** for floodplain management
- ✓ **Collaborative work** towards solutions to the nation's flooding problems
- ✓ **Non-structural** flood risk management options over large flood control structures

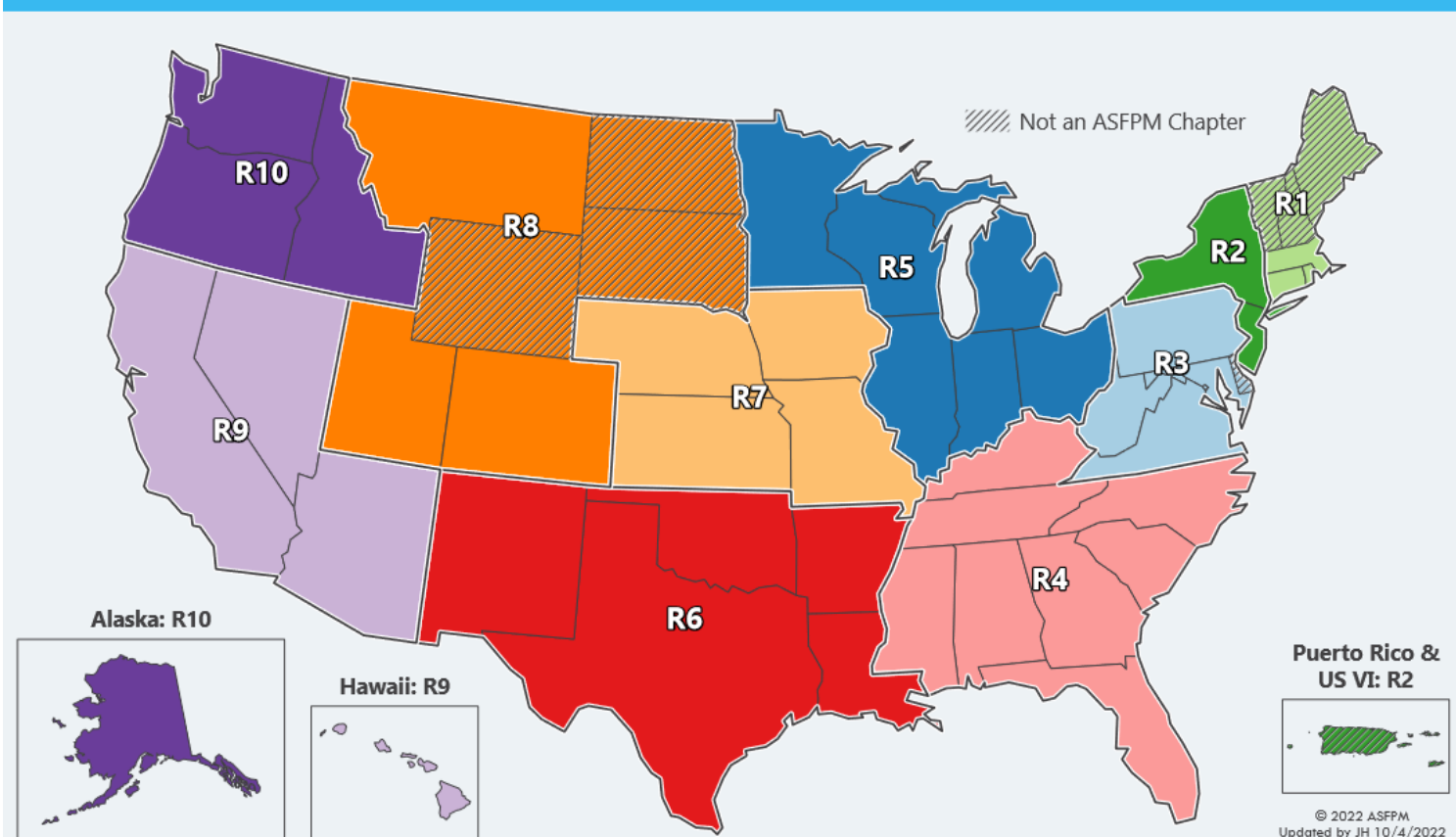


ASFPM Regions



ASFPM Regions

ASFPM Regions comprise the same states as FEMA Regions.





ASFPM Chapter

ASFPM Chapters & Districts

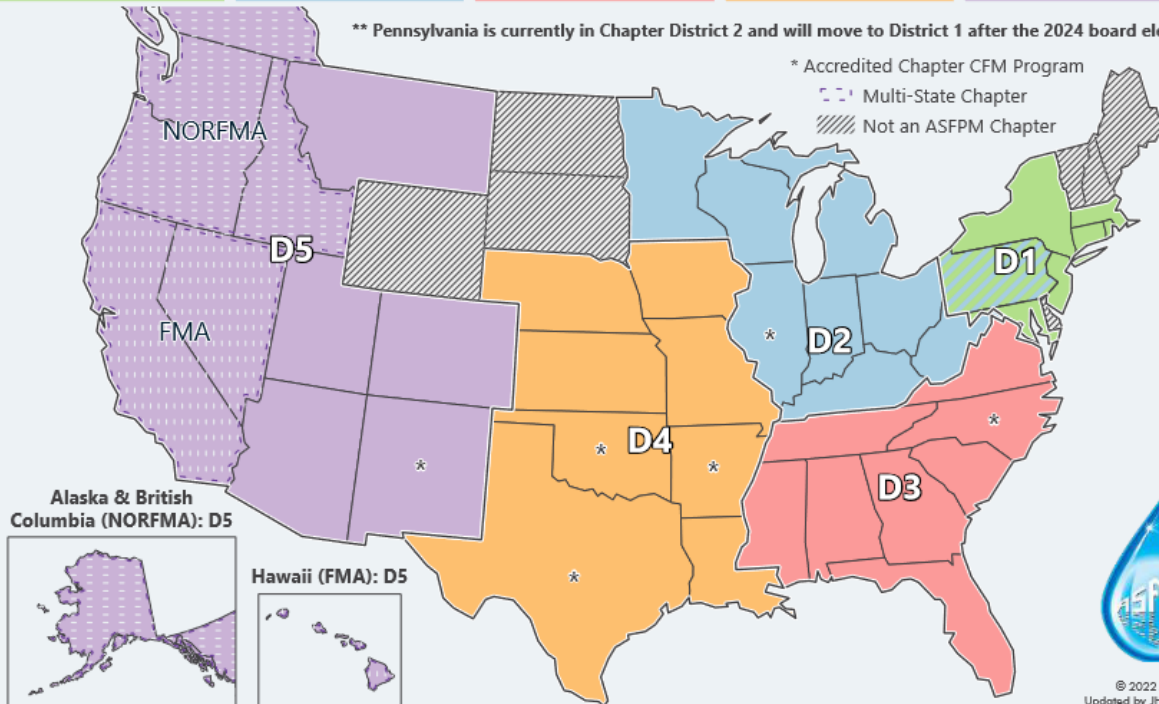
Chapter District 1	Chapter District 2	Chapter District 3	Chapter District 4	Chapter District 5
Connecticut - CAFM Maryland - MAFSM Massachusetts - massFM New Jersey - NJAFM New York - NYSFSMA Rhode Island - RIFMA ** D2 to D1 in 2024: Pennsylvania - PAFPM **	Illinois - IAFSM* Indiana - INAFSM Kentucky - KAMM Michigan - MSFA Minnesota - MnAFPM Ohio - OFMA West Virginia - WVFMA Wisconsin - WAFSCM	Alabama - AAFM Florida - FFMA Georgia - GAFM Mississippi - AFMM North Carolina - NCAFPM* South Carolina - SCAHM Tennessee - TN AFPM Virginia - VFMA	Arkansas - AFMA* Iowa - IFSMA Kansas - KAFM Louisiana - LFMA Missouri - MfSMA Nebraska - NeFSMA Oklahoma - OFMA* Texas - TFMA*	Arizona - AFMA Colorado - CASFM Montana - AMFM New Mexico - NMFMA* Utah - UFSMA Multi-State Chapters: CA, HI, NV - FMA AK, ID, OR, WA, BC - NORFMA

** Pennsylvania is currently in Chapter District 2 and will move to District 1 after the 2024 board elections.

* Accredited Chapter CFM Program

Multi-State Chapter

Not an ASFPM Chapter



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Updated by JH 10/4/2022



ASFPM Committees

- Arid Regions
- Coastal Issues
- CTP Subcommittee of Mapping & Engineering
- Flood Insurance
- Flood Mitigation
- Floodplain Regulations
- Higher Education
- International Committee
- Mapping & Engineering
- Natural & Beneficial Functions
- No Adverse Impact
- Nonstructural Floodproofing
- Professional Development & Continuing
- Risk Communications & Outreach
- Stormwater Management



What does ASFPM do?

- ✓ **National and State Policy Issues**
- ✓ **National CFM® Certification**
- ✓ **Develop Tools, Publications, & Resources for State and Local Floodplain Managers**
- ✓ **Conferences & Events**
- ✓ **Training including ASFPM Webinars / On Demand Learning**
- ✓ **Research through ASFPM Flood Science Center**
- ✓ **Flood Mitigation Certification Program**



2024 Legislative & Policy Priorities

- Legislation
 - NFIP Reform
 - Stafford Act Reform (BRIC Program)
 - FY 25 Appropriations
 - Climate Change, Resilience, Equity
 - Farm Bill (Conservation/FPM Provisions)
 - Water Resources Development Act
 - Digital Coast Act
- Agency Actions
 - Update of NFIP Minimum Standards
 - Risk Rating 2.0 Implementation
 - Federal Flood Risk Management Standard (FFRMS)



2024 Legislative & Policy Priorities

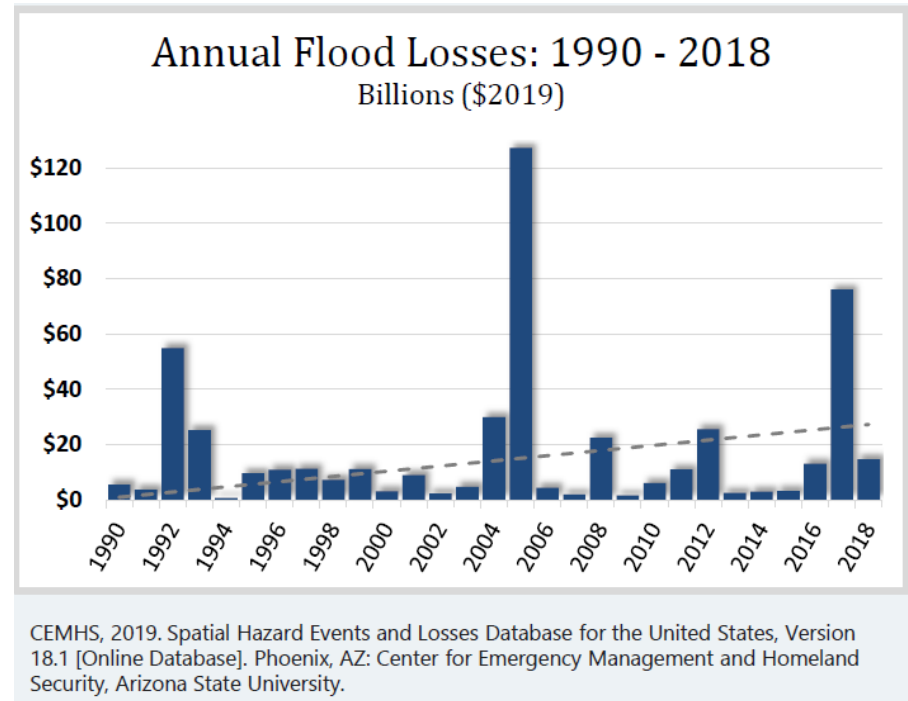
- Agency Actions (cont'd)
 - STORM Act Implementation
 - Precipitation Updates (Atlas15 Implementation)
 - Disclosure Law Updates
 - National Levee Safety Program
 - High Hazard Dam Program Implementation
 - ASCE-24 Update
 - FEMA's use of large datasets (privacy and for grant funding)
 - State issues and trends
 - Partnerships



Is flooding getting worse?

- **YES!**

- Flooding is the number one natural disaster in the United States
- Annual flood losses roughly doubling per decade - now \$40+ billion/yr. \$200 billion in 2021 and 2022.
- 17.7 million properties are at risk of flooding (SFHA + non-mapped + pluvial areas)
- New precipitation model shows 1-in-100 year flooding can now be expected every 8 years in some areas





Is flooding getting worse?

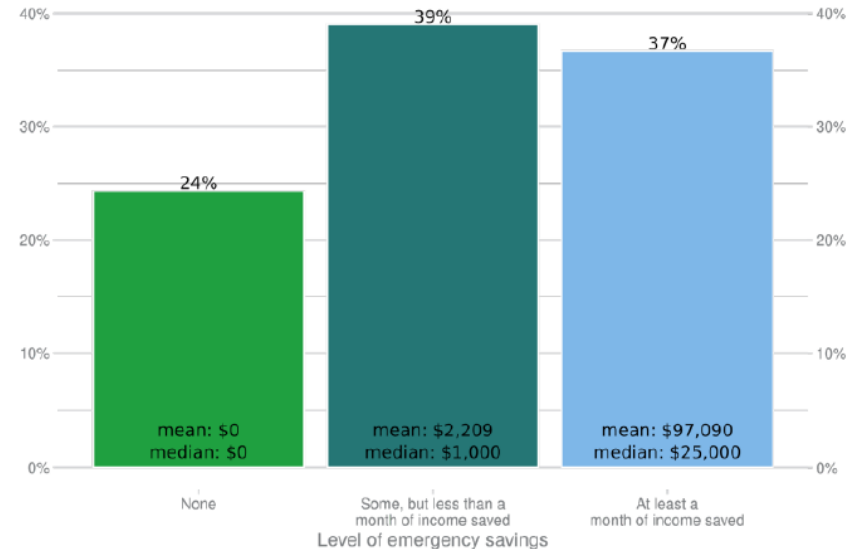
YES!

- Yet...

- Federal disaster declarations are
- issued in less than 50 percent of flooding events, which means that federal post-disaster assistance and funding is not available more than 50% of the time.
- More than 50% of American adults are currently unable to afford a \$1,000 emergency expense

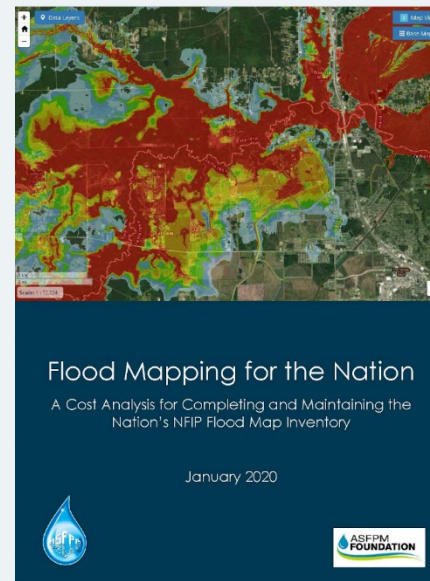
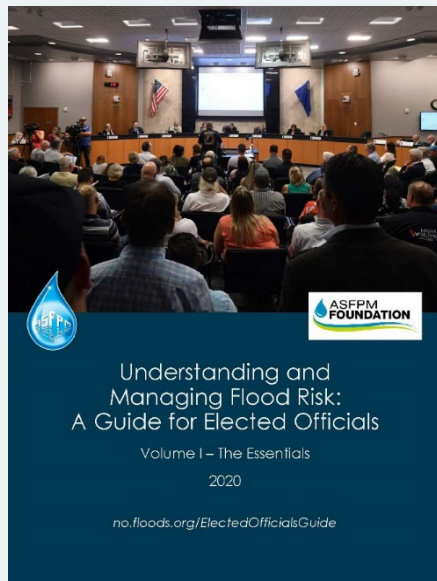
FIGURE 1: NEARLY A QUARTER OF CONSUMERS HAVE NO EMERGENCY SAVINGS

Share of consumers in the three emergency savings groups with the mean and median emergency savings amounts



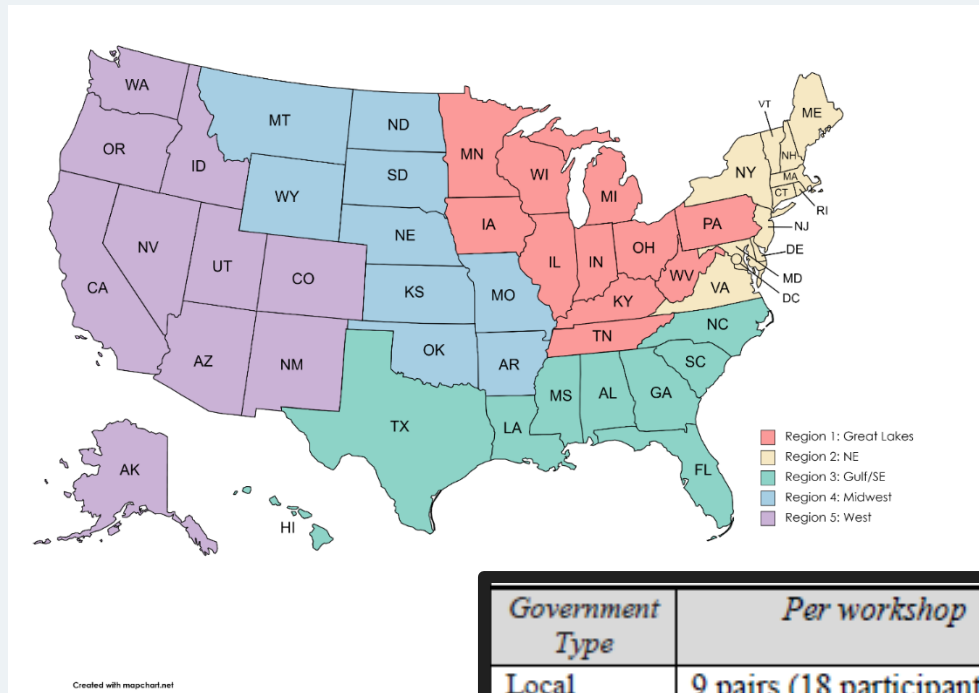
Emergency Savings and Financial Security: Insights from the Making Ends Meet Survey and Consumer Credit Panel. Consumer Financial Protection Bureau Office of Research Data Point No. 2022-01. 2022.

Flood Science Center Research & Products



FSC delivers state-of-the-science research products in reports and websites to help your community understand flood risk and prepare for flood events.

Advancing the integration of Clean Water Act Programs with natural hazard mitigation planning & implementation



<i>Government Type</i>	<i>Per workshop</i>
Local	9 pairs (18 participants)
State*	9 pairs (18 participants)
Tribal	2 pairs (4 participants)
Total	20 pairs (40 participants)

To build cross-governmental relationships and awareness of what is going on in different departments, agencies, and at various levels of government

Community Resilience Guide for Repetitive Flood Loss

Start here



Training

Learn tips and tricks for finding funding, communicating flood risk, and using GIS with free self-guided training.



Case Studies

Learn from other communities that have successfully reduced repetitive flooding.



Tools and Data

Find tools and data for communicating flood risk and informing existing and future plans and policies.



Library

Explore a library of publications on important topics related to repetitive flooding.

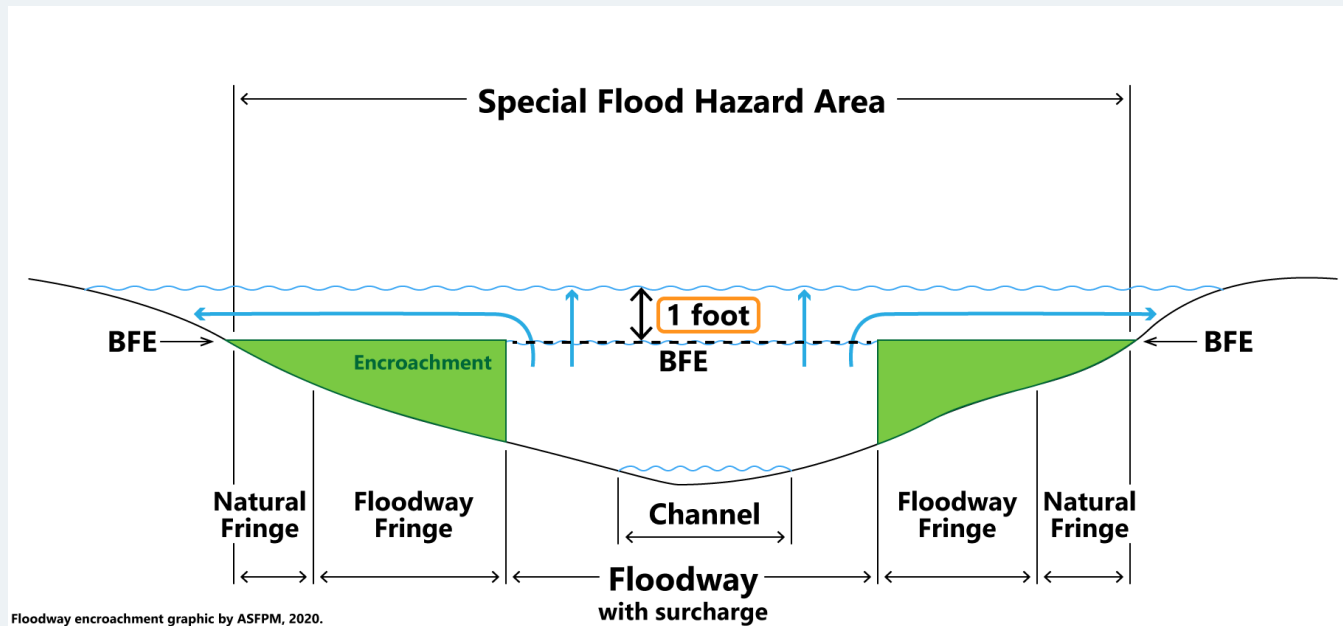


Background

Learn about the history of repetitive flooding and why this guide was created.

To enhance community capacity to understand and mitigate NFIP repetitive loss properties via training and information exchange.

Floodway Outreach Projects

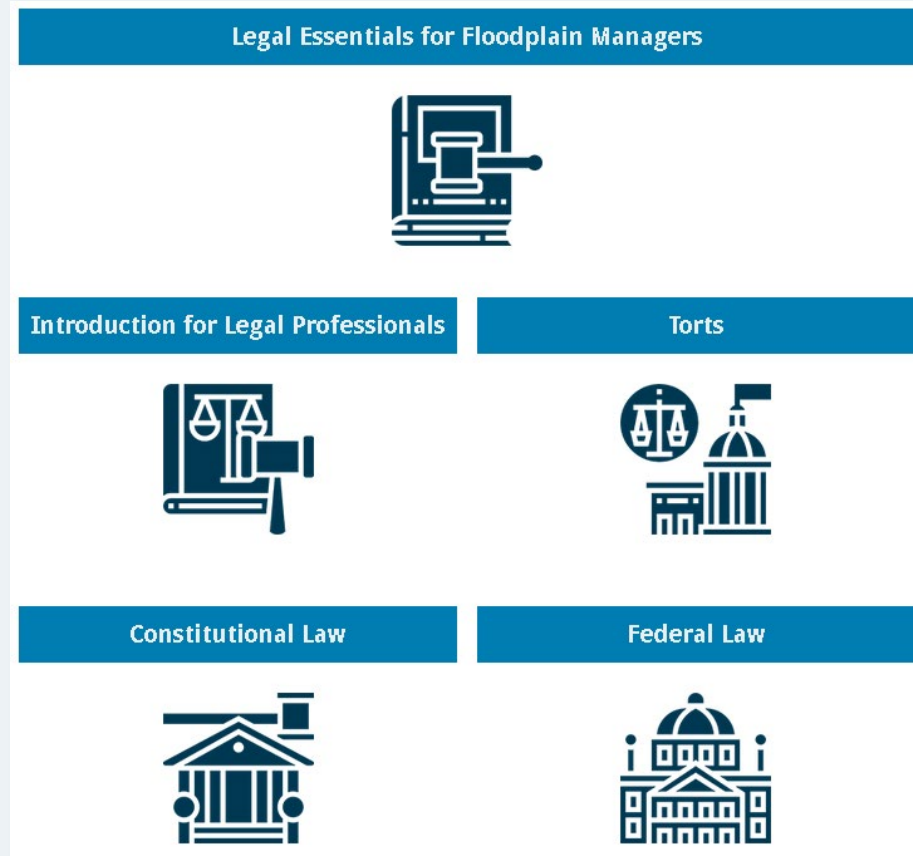


To help communities better understand the impact of floodway surcharge decisions from a mapping and policy perspective.



No Adverse Impact Legal Guide

A web-based guide for
floodplain management



To develop a new NAI Legal Issues Guide to update the legal resources
that support NAI and flood risk management overall

Reduce Flood Risk

[About](#) [Flood Facts](#) [Resources](#) [Explore Strategies](#)

Not sure what you're looking for?

Take me through the guided experience

Learn more about options for...

Property Owners or Buyers

Community Association Representatives

Renters

Government Officials

Just Looking?

Everyone Else

Browse all strategies

Reduce Flood Risk

AboutFlood FactsResourcesExplore Strategies

Mitigation Strategies

Disclaimer to users that the strategies below are often quite specific to certain user types and situations (explained by our taxonomist). This should not be longer than a small paragraph.

Filter & Search

Search

Annual Maintenance Type

☐ Low

☒ Medium

☐ High

Action When Flood is Imminent

☐ No, active

☒ No, passive

Level of Effort

☒ DIY

☐ Professional

Cost

☐ \$

☒ \$5

☐ \$50

☐ \$500

☐ \$5000

Hide Filters

Foundation Type

☐ Slab on grade (preferred)

☒ Crawlspace

☐ Basement

☐ Piers, Piles, Posts, or Columns

☐ Pile

☐ Other

Structure Condition

☐ Poor to Fair

☐ Fair to Excellent

Past Flood Depth

☐ < 3 Feet

☐ 3-6 Feet

☐ > 6 Feet

Real Estate Type

☐ Residential

☐ Non-residential

Potential for Debris Flow?

☐ Yes

☐ No

Location Type

☐ Coastal Beachfront

☐ Riverine Floodplain

Scale

☐ Single Property

☐ Neighbourhood

☐ Community

Sort by: Level of Effort Cost

Financial Assistance Title

Here Loren Ipsum that could be quite long

Separated they live in Bookmarks right at the coast of the Venus Samantini, large language scores.Separated they live in Bookmarks right a.

Funding Type

Funding Category

Compare

Financial Assistance Title

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Funding Type

Funding Category

Compare

MITIGATION STRATEGY

Elevate the building on piles

\$\$\$\$ - \$\$\$\$\$

Professional

Single Property

Overview

Elevation is a mitigation technique in which a structure, existing or new, is raised high enough that the lowest floor and all plumbing, electrical systems, and ductwork are at or above the Design Flood Elevation to prevent floodwaters from damaging the structure and its contents. There are generally five types of elevated foundations: on extended solid perimeter foundation walls, on piers, on posts, on columns, and on piles (as described here). Two variations to achieve elevation are: on engineered fill or by abandoning the lowest interior floor.



Home elevation in progress. Image by Aileen Devlin | Virginia Sea Grant via Flickr; licensed under CC BY-ND 2.0.

To help property owners and buyers in flood prone areas identify strategies to reduce their property's risk of flooding.

ASFPM State Mentoring Program

- **Brings together mentors** with expertise in one or more areas of floodplain management **and mentees** who desire assistance in developing or enhancing their floodplain management skills
- **Developed for state floodplain managers**, state NFIP coordinators, state flood mapping coordinators and their staff



To train new state floodplain managers using a mentoring-based approach.



Flood Mitigation Certification Program

Product Types

The Program currently tests/certifies:

- Perimeter barriers
- Opening barriers
- Flood Mitigation Valves
- Flood Mitigation Pumps
- Penetration Sealing Devices
- Flood Glazing



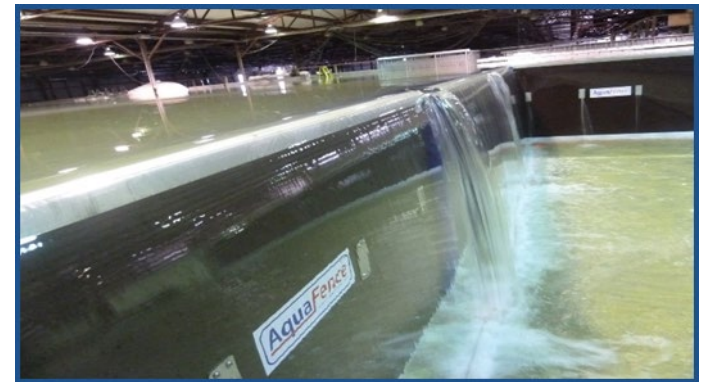
Closure Device (Opening Barrier)



Perimeter Barrier

Partnership

- *ASFPM*. Program administrator, maintains website
- *FM Approvals*. Certifies the product, confers the FM Diamond, conducts materials testing, facility audits
- *US Army Corps of Engineers*. Conducts water testing at ERDC lab



Overtopping test at ERDC. Water is brought to 1 inch above the barrier and allowed to overflow.



- ASFPM Foundation supports policy advancement, educational, scholarship and small project opportunities
- Future Leaders Scholarship (annual) - Up to \$20,000 per year for two years available to a student entering their junior year in a 4-year undergraduate degree program or entering the last two years of a 5-year or dual degree undergraduate program.
- Student Paper Competition – Graduate or undergraduate students submit abstracts, top three are presented at ASFPM Annual Conference. Cash prizes awarded
- Source for small project funding
- Larry Larson Speaker Series 2023 topic - “A Conversation about Resilience – From Policy to Execution”
- Urban Flooding Summit – 2024/2025

QUESTIONS?

The broad problem of flood-loss reduction is that the rate at which flood losses are being eliminated by construction of engineering or land-treatment works is of about the same magnitude as the rate at which new property is being subjected to damage.

- Gilbert Fowler White





Thank You



Become a member!

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www.floods.org