

# Risk MAP Mapping, Assessment & Planning

**Arkansas Partnership Meeting** 







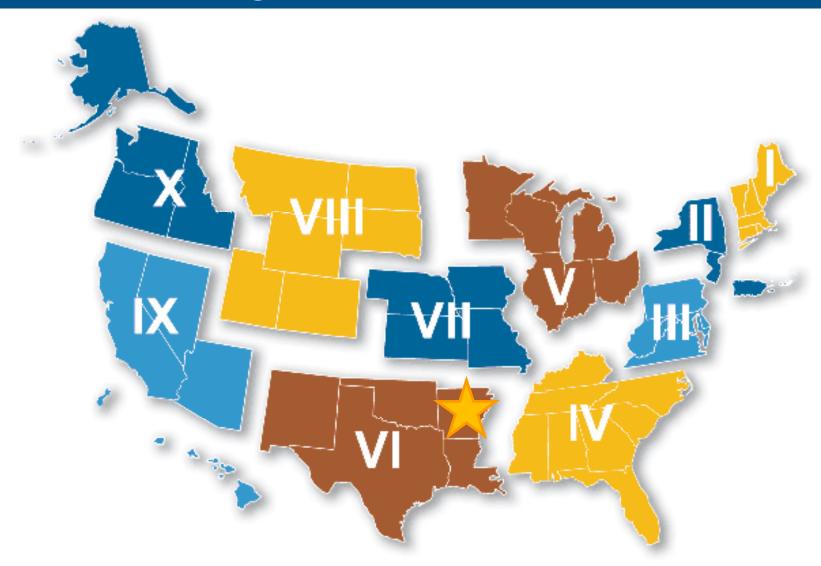
### FEMA's Mission

.... to support our citizens and first responders to ensure that as a Nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.





## FEMA Region 6







## National Flood Insurance Program (NFIP)

- Program requirements are intended to:
  - Prevent loss of life and property
  - Reduce taxpayer costs for disaster relief
  - Minimize economic and social hardships that result from flood events
- Program is administered at the local level
- Support is available for communities through the State NFIP Coordinator and FEMA staff



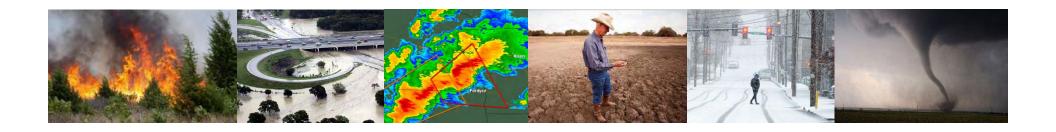


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### Our Goal for Communities...

### Actively participating communities who

- Assess and understand their natural hazard risk
- Utilize tools, services and products to make informed decisions
- Actively update their hazard mitigation plans
- Actively engage with our agency to implement projects to reduce natural hazard risk
- Inform and educate their residents and business owners of natural hazard risk



### Risk MAP: The Vision

Through collaboration with State, Local, and Tribal entities, Risk MAP will deliver <u>quality data</u> that increases <u>public awareness</u> and leads to <u>action that reduces risk</u> to life and property.











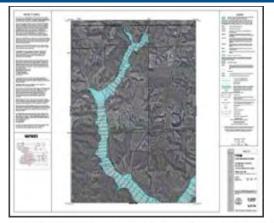
## Risk MAP: Changing the Way We Do Business

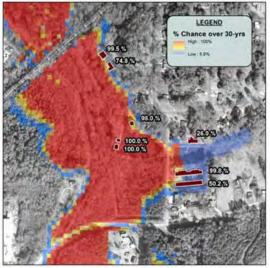
### Moving away from Maps

- Focus on Action
- Insurance Considerations

### Decisions at Resilience

- Proceed with Regulatory Map?
  - BFE Change > 0.5 ft
  - SFHA Change >10%
- Leverage Non-Regulatory Produc
- Capture Potential Actions







## Risk MAP: Changing the Way We Do Business

### Responsibility Shift to States

- Wider Authority
  - More logical for Large HUC-8
  - Local/Regional CTP work with the States
- Leveraging State Business Plans
  - Incorporate Local knowledge







## Project Selection – Determining Factors

#### FEMA Metrics

- Deployment measurement of nation's population that has received a Risk MAP project
- NVUE measurement of New, Validated and Updated Engineering in comparison to all modernized streams within FEMA's mapped inventory (Quality Data)
- Awareness National survey measurement of general public awareness to flood hazards within their community
- Action Measurement of Community Mitigation Actions influenced by Risk MAP project data and outreach





## Risk MAP Metrics







### **Action Measure**

## What is the Risk MAP Action Measure?

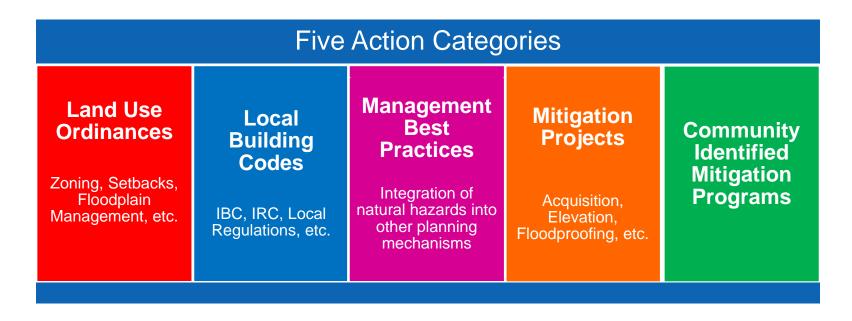
- Measurement of success for a community taking action to reduce risk
- Risk MAP has adopted a phased approach
  - Action Measure 1 (Action Identified)
  - Action Measure 2 (Action Advanced)





## Action Definition

#### What kinds of activities reduce Risk?



A community initiated action that reduces long term risk





## Framework to Achieve Mitigation Action

Framework to Achieve Mittigation Action Establish overable of risk within communities and increase accords of community to take action							
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Risk MAP Project Phase	Phase One - Discovery			Phase Two - Risk Identification and Assessment		Phase Three - Regulatory Product Update	
Meeting	Discovery	Discovery Close-Out	Kick-Off	Engineering/Flood Risk Review	Resilience	Consultation Coordination Officer (CCO)	Open House
	Action Measure 1 MAP Conversion Memo (10-19-2010) - Region 6 has adopted this track id	entification for all projects	Action Measure 1 & 2			Action Measure 1 & 2	
Click here a link to the Risk MAP Conversion Me Track** 1	S link to the Risk MAP Conversion Memo Track**1 Risk Austriesus & Mispation Actions Toxis - Education, Outroon & Training		Ná Avanesa Miliprios Actors Trais - (Avantes, Currenti & Trainig			Nick Awareness & Militarian Actions Track - Education, Outreach & Training	
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Responsibility and Ownership	FEMA/CTP						Community
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Timeframe	64 months	3-4 months following Discovery Meeting	Same Trip as Discovery Close Out Meeting	9-18 months	2-à months	30-45 days following preliminary issuance	2 months prior to Effective Issuance





## Community Engagement

### Partnerships are essential....

 We need the support of our Federal, State and Regional partners for successful distribution

### Education is the key....

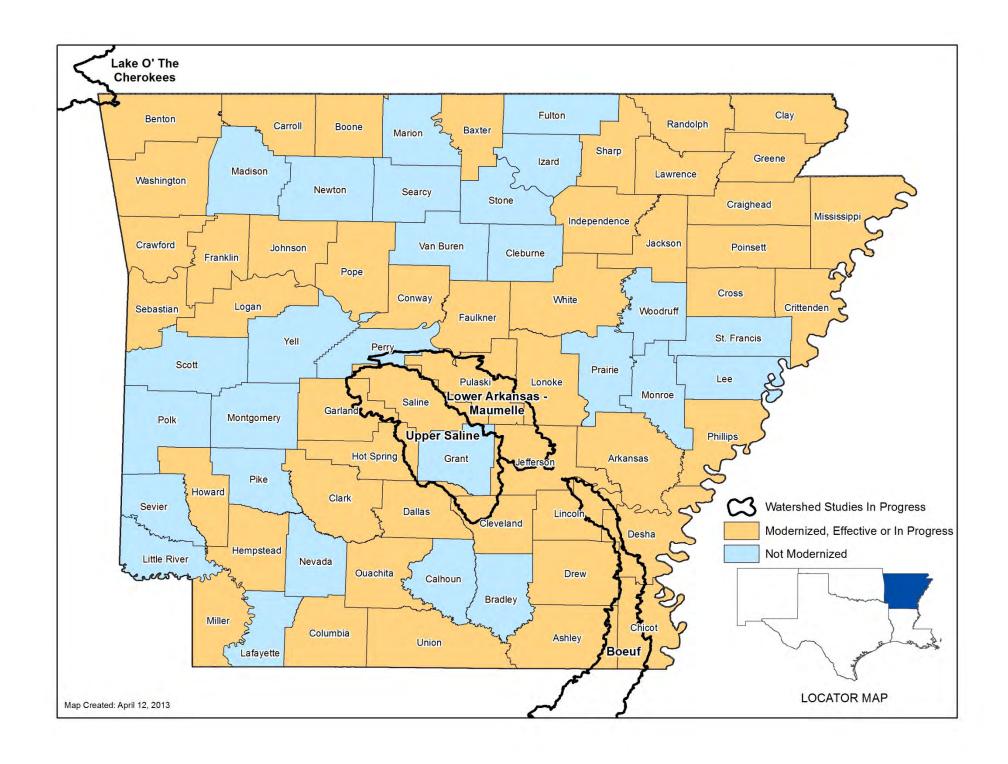
- Majority of stakeholders will make the right decision if they are a part of the process
- Survey results indicate communities and residents are unsure of what to do in order to reduce their natural hazard risk

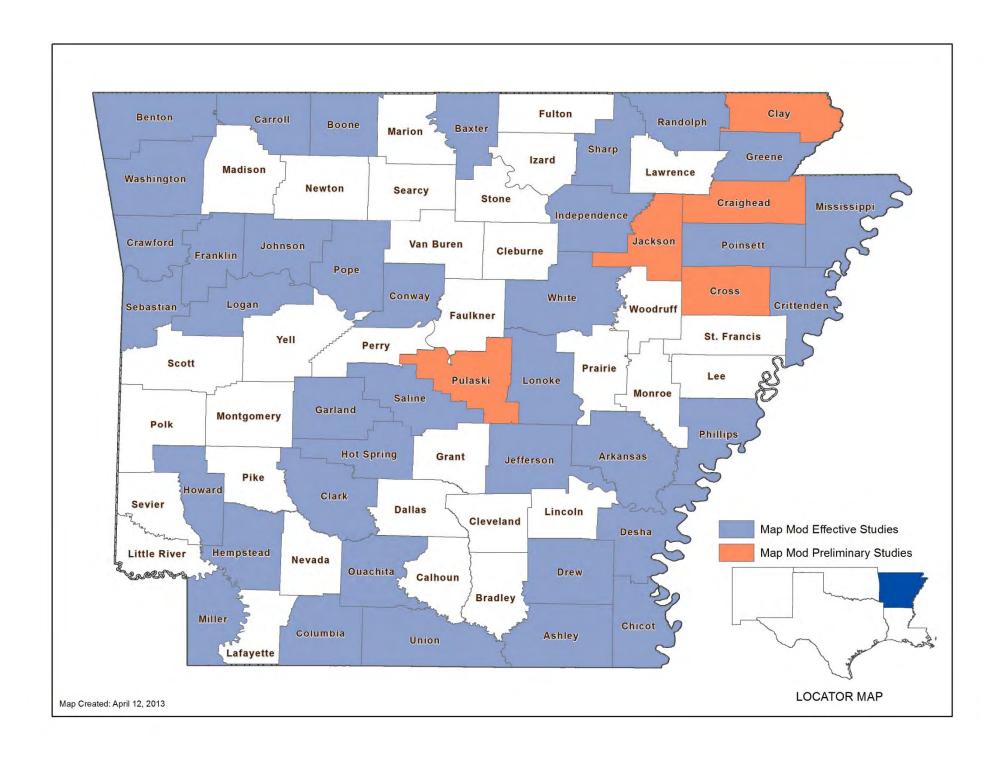
### Risk Communication...

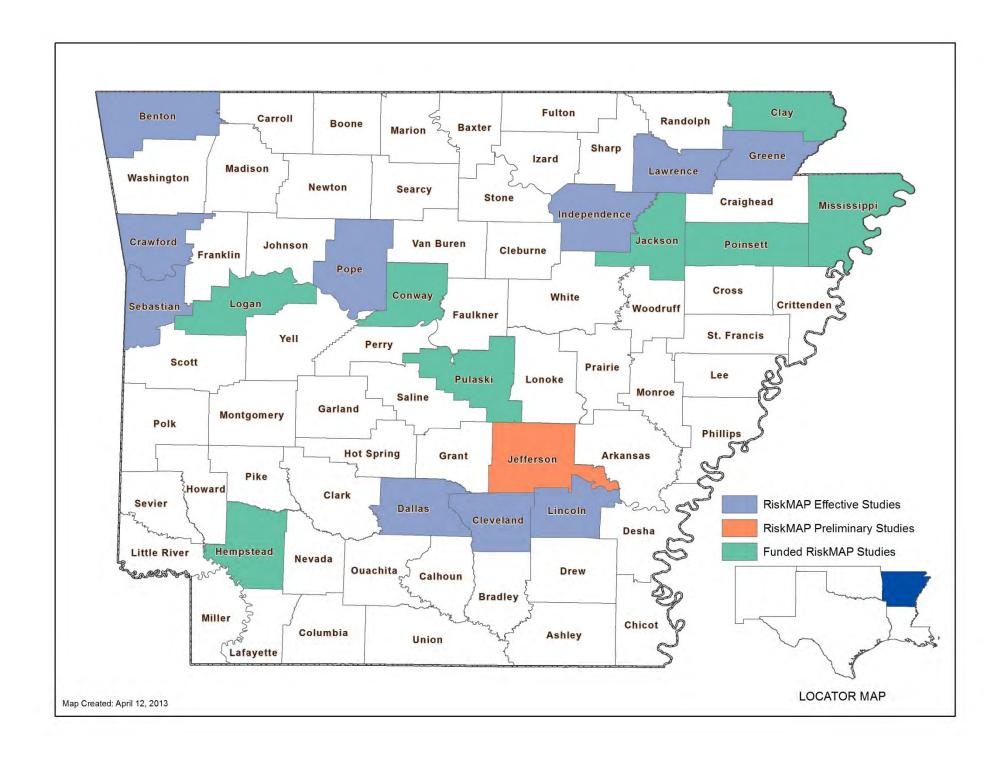
- Consistent messaging to all communities
- Consider lowest cost, broadest audience
- **Susing** key messages in all communications



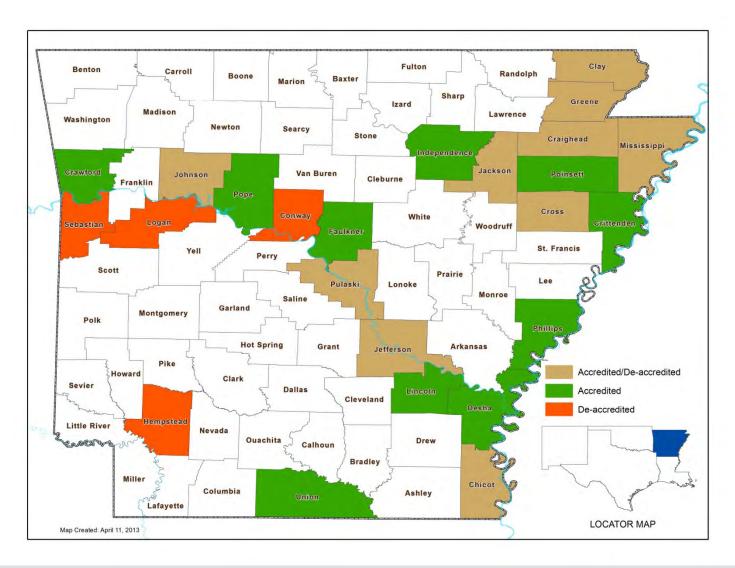








## Levee Status in Arkansas







## Levee Status

County	Accredited	De-accredited
Chicot	1	2
Clay	0	3
Conway	0	8
Craighead	1	1
Crawford	2	0
Crittenden	1	0
Cross	1	1
Desha	5	0
Faulkner	1	0
Greene	0	1
Hempstead	0	1
Independence	1	0
Jackson	1	2

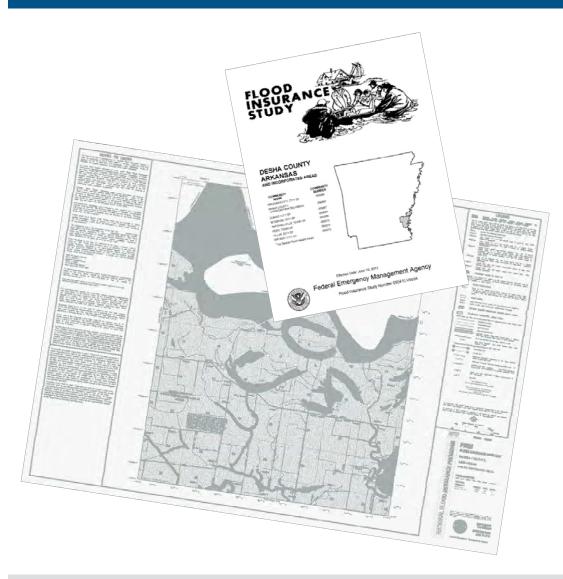
County	Accredited	De-accredited
Jefferson	5	2
Johnson	1	1
Lincoln	1	0
Logan	0	1
Miller	0	1
Mississippi	1	3
Phillips	5	0
Poinsett	4	0
Pope	1	0
Pulaski	3	7
Sebastian	0	1
Union	1	0

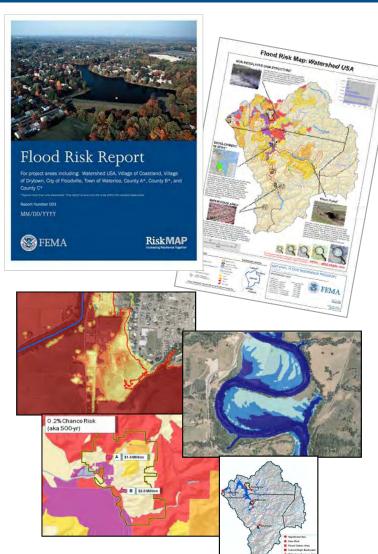
<sup>\*</sup> Accreditation Status shown here may be different than what is shown on the Effective FIRM.





## **Our Products**





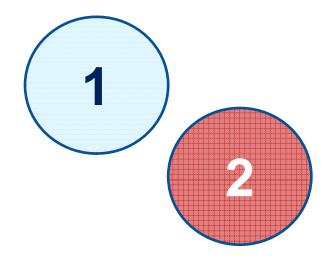


## Our Goal...

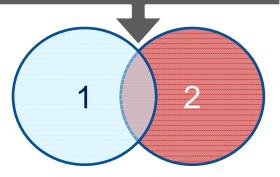
Assisting communities in overcoming obstacles to mitigate their future natural hazard risk today



## How you can help....



Commonalities are the "sweet spot"



- We would like to share data with other agencies and departments/disciplines within the State
  - Topographic Data
  - Hydrologic and Hydraulic studies
  - Proposed projects
  - Planning projects
  - Post-Disaster projects
- Many Disciplines....Shared Data?











# Risk MAP



Increasing Resilience Together