

# LWI Modeling Contract Region 1- Team Introduction

August 11, 2020

Mike DePue – Project Manager  
Sarada Kalikivaya – Deputy Project  
Manager

LOUISIANA  
**WATERSHED**  
INITIATIVE

working together for sustainability and resilience



# AGENDA

1. Atkins North America and Team
2. Region 1 – Modeling Approach
3. Data Collection
4. Questions





LWI Region 1 Team



# Region 1 Team- Leads



Luke Le Bas, PE  
Principal-in-Charge



Mike DePue, PE,  
CFM  
Project Manager



Sarada  
Kalikivaya, PE,  
PMP, CFM  
Deputy Project  
Manager/  
Hydraulic Team Lead



Brett Sachtleben,  
PE, CFM  
Hydrologic Team Lead

100+

QUALIFIED,  
RELEVANT STAFF



# Technical Team with Local Knowledge



Vikram **Shrivastava**,  
PE, PMP, CFM, D.WRE  
QA/QC Manager



Jerri **Daniels**,  
CFM  
Dewberry  
Independent QC



Chris **Allen**  
Local Liaison



Marc **Johnson**,  
PE, CFM  
FTN Hydraulics Lead



Mohamed **Bagha**,  
PE, PMP, CFM  
Michael Baker  
Hydraulics Lead



Paul **Rossini**,  
PLS, LS, PS  
NTB Survey



Ed **Beadenkopf**, PE,  
CFM  
Levee/Dam Safety



Virginia "Franki"  
**Coons**, CFM  
Mitigation Support



Joey **Coco**,  
PE  
F&T Survey





# Region 1 – Modeling Approach



# Region 1 HUC8s

## ATKINS

Caddo Lake

Red Chute

Cross Bayou

Middle Red-Coushatta

Bayou Pierre

Lower Red-Lake Latt

Texas

Arkansas



McKinney-Posten Bayous

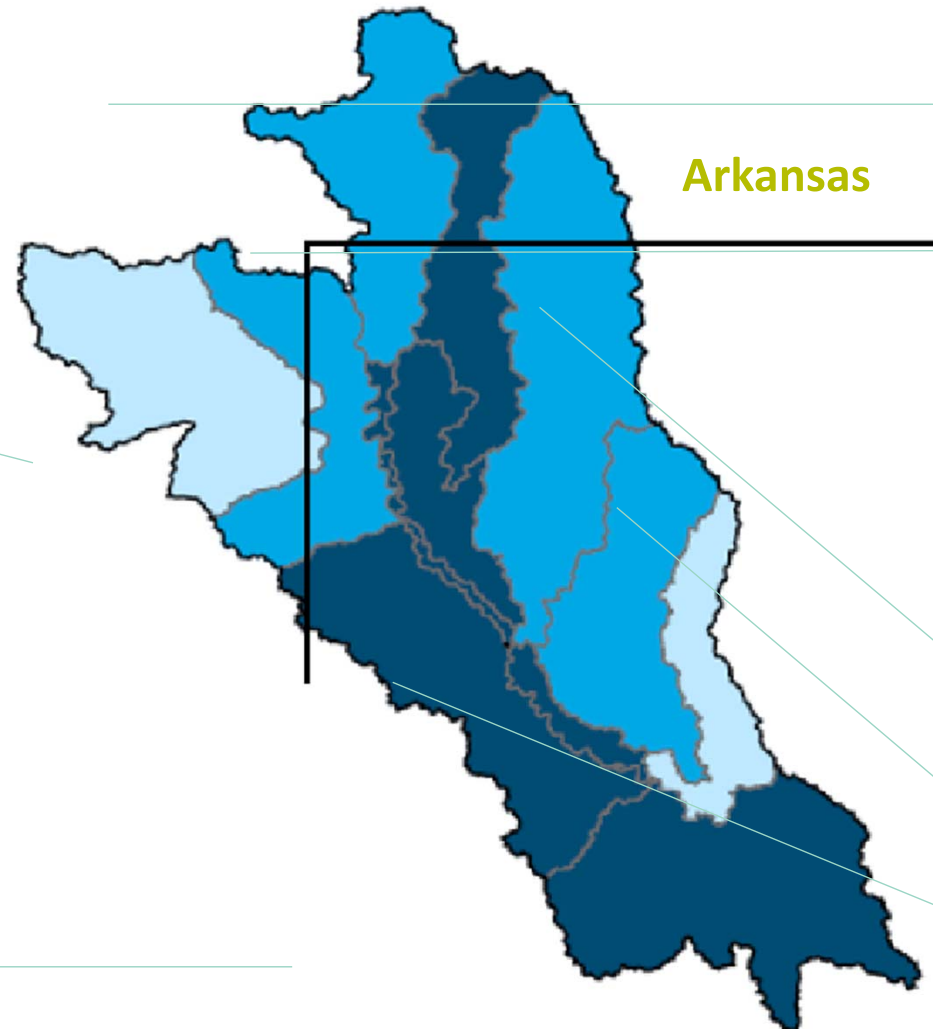
Bodcau Bayou

**Michael Baker**  
INTERNATIONAL

Loggy Lake

Saline Lake

Black Lake Bayou



# Region 1 – HUC8s and River miles

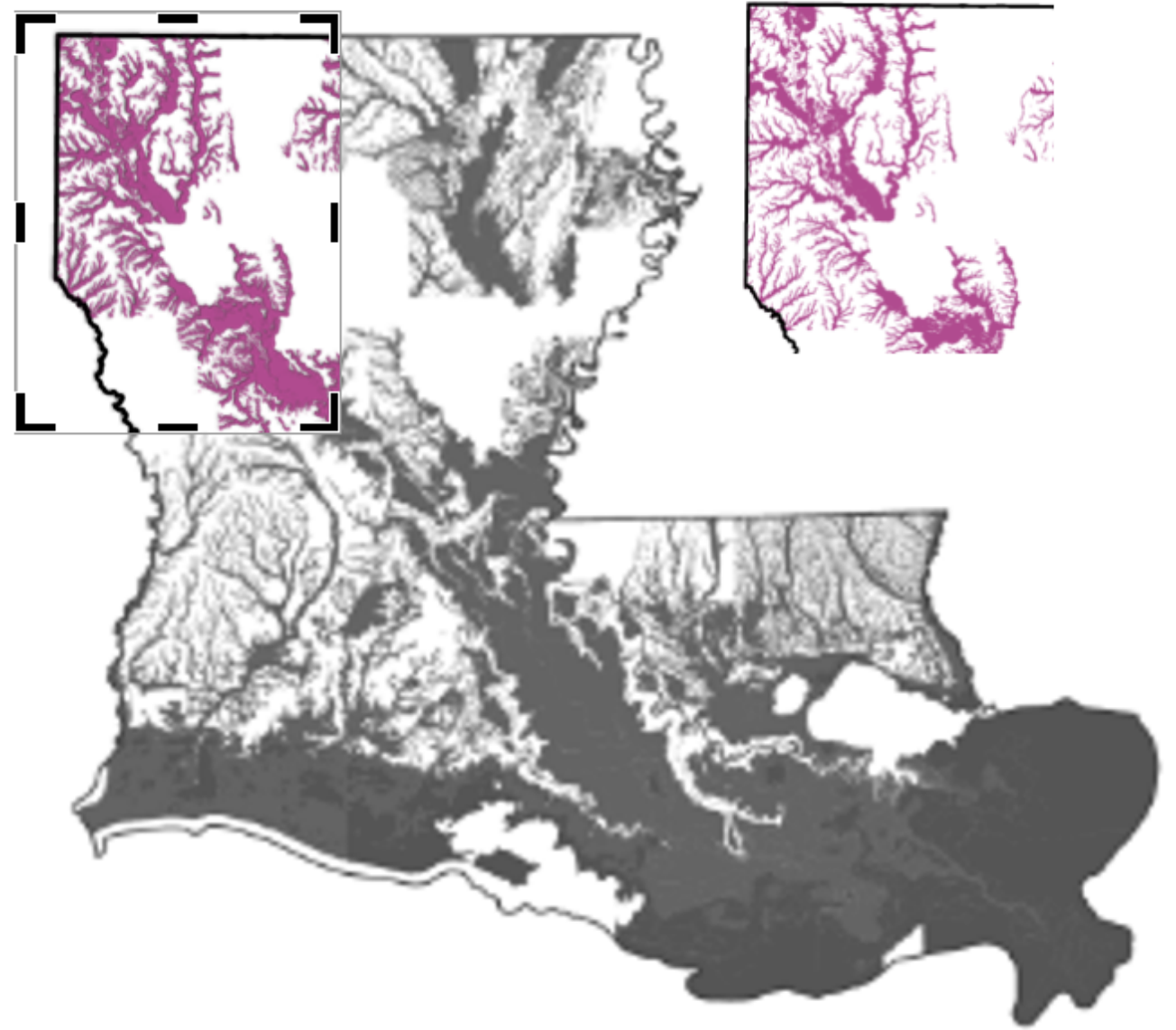
Watershed	FEMA Stream Miles	
	Studied	Unstudied
Middle Red-Coushatta	570	(7)
Lower Red-Lake Latt	1,331	(318)
Red Chute	499	(55)
Bayou Pierre	1,813	(90)
Caddo Lake	112	(23)
Cross Bayou	556	(60)
Bodcau Bayou	394	(35)
McKinney-Posten Bayous	116	(10)
Black Lake Bayou	444	(296)
Saline Bayou	426	(188)
Loggy Bayou	479	(218)
<b>Totals</b>	<b>6,740</b>	<b>(1,300)</b>





# Gaps in Current Special flood hazard areas

- 40% is located in a SFHA and is subject to flooding

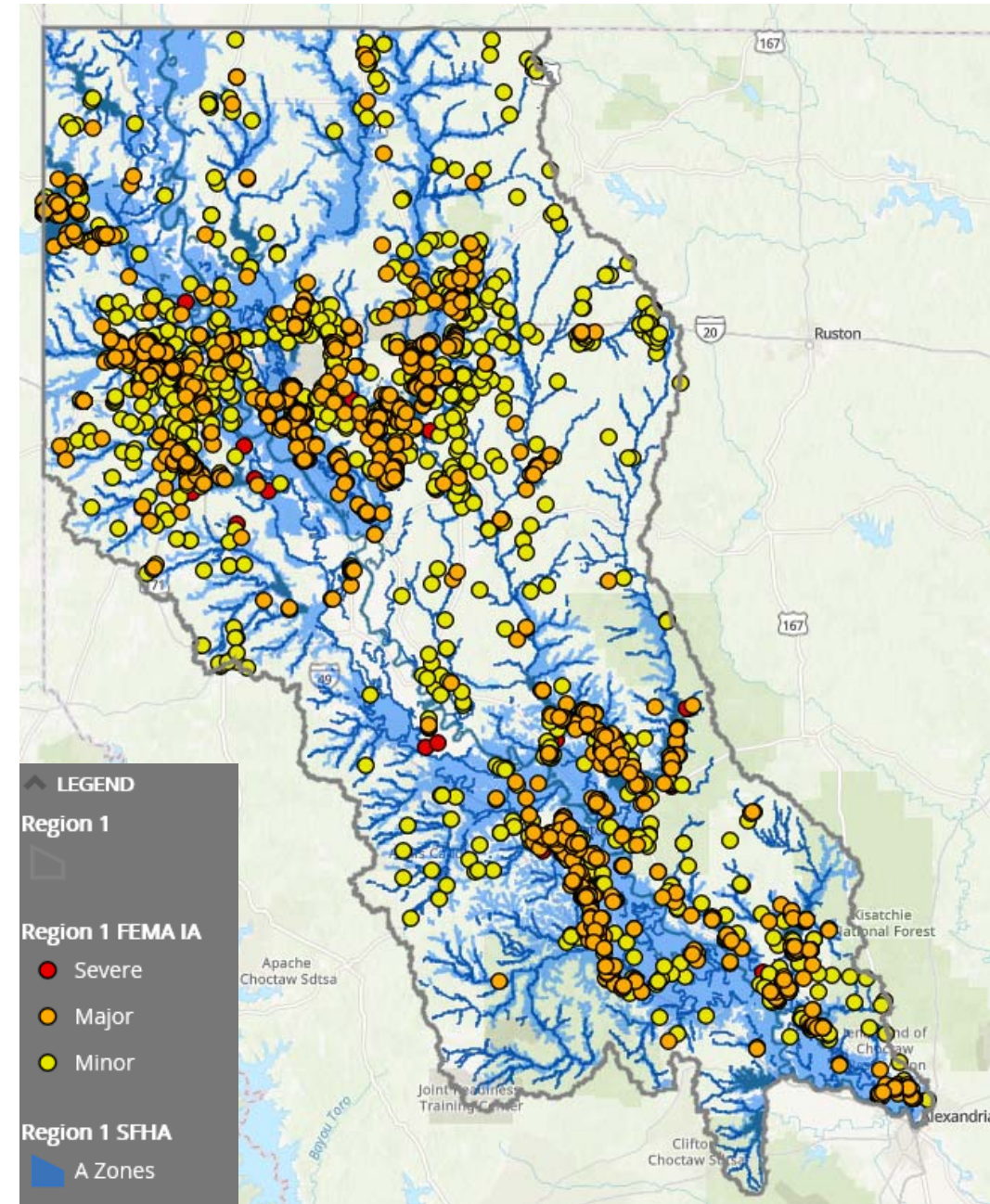


SOURCE: FEMA



# 2016 March and August floods

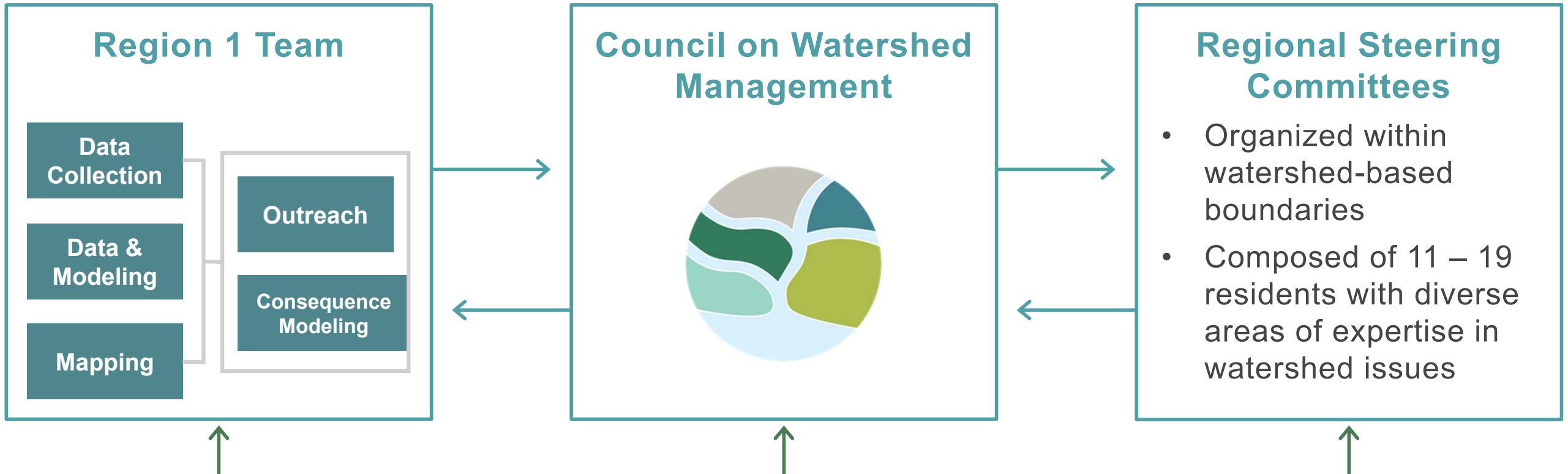
- 3,739 homes impacted in Region 1
- 39% of structures impacted located within a SFHA
- 61% of structures impacted located outside of a SFHA



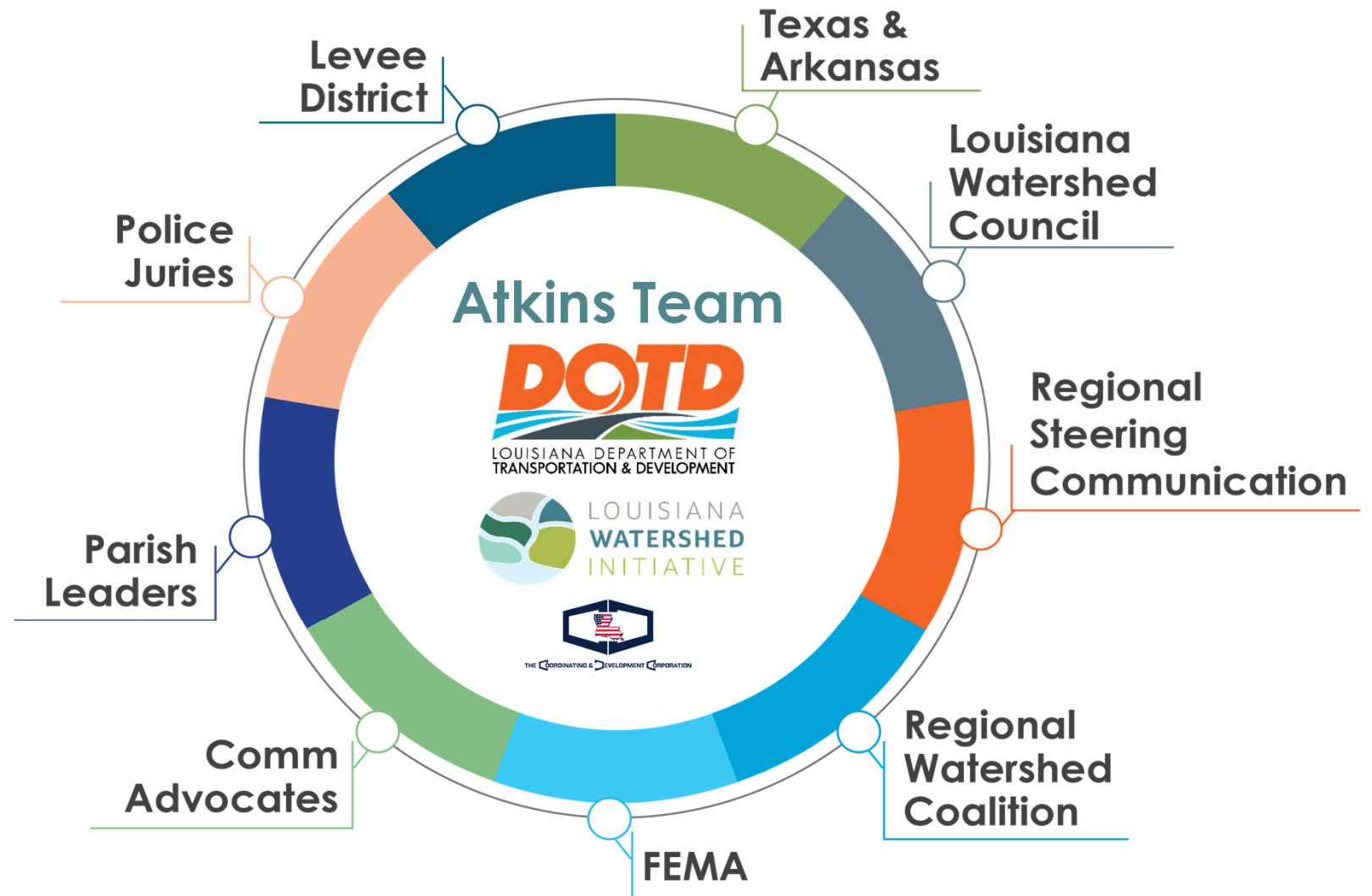
SOURCE: FEMA

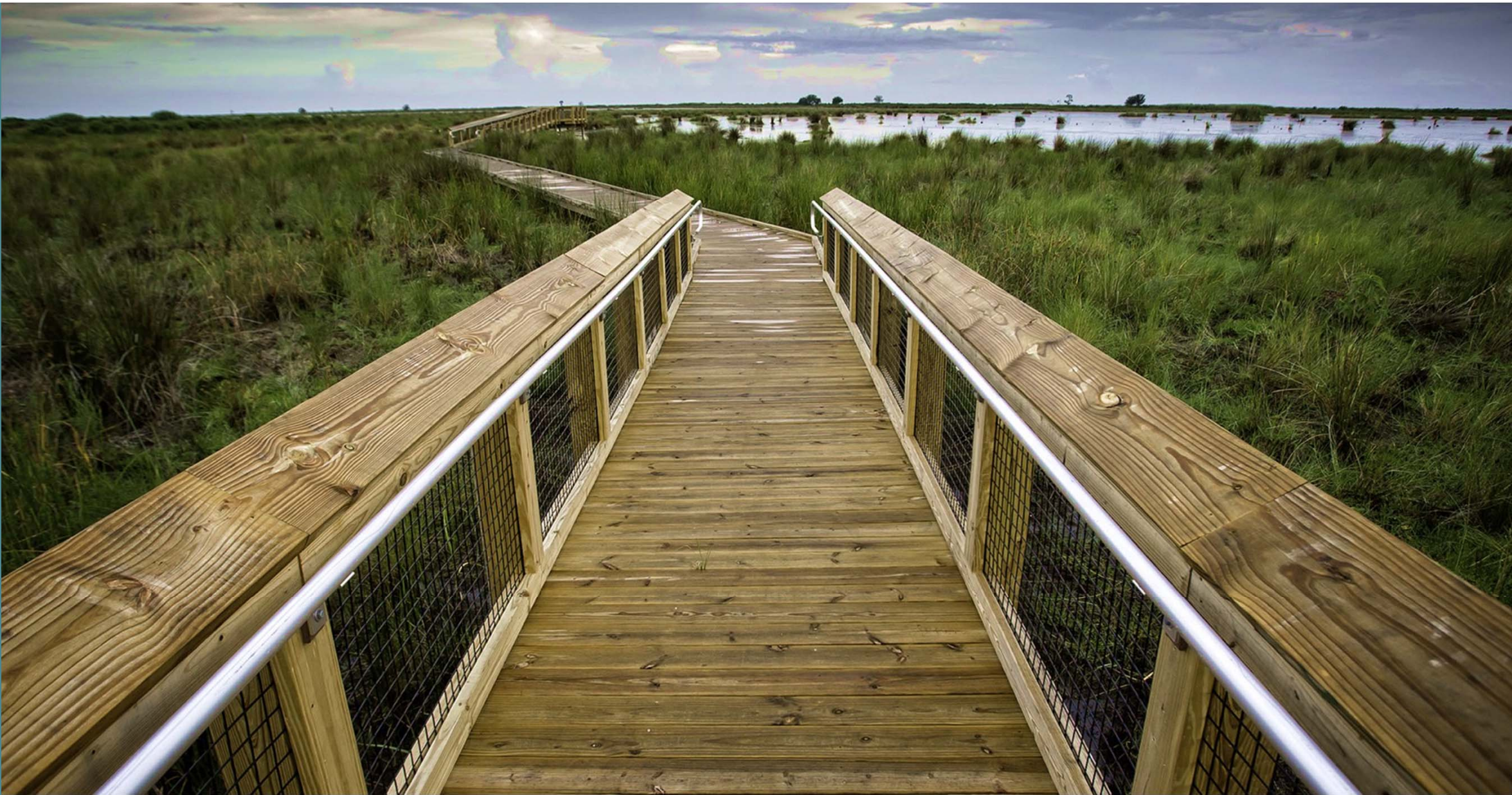


# A shared focus on resilience



# Region 1 Stakeholder Engagement





5. Questions?



# Contact Information



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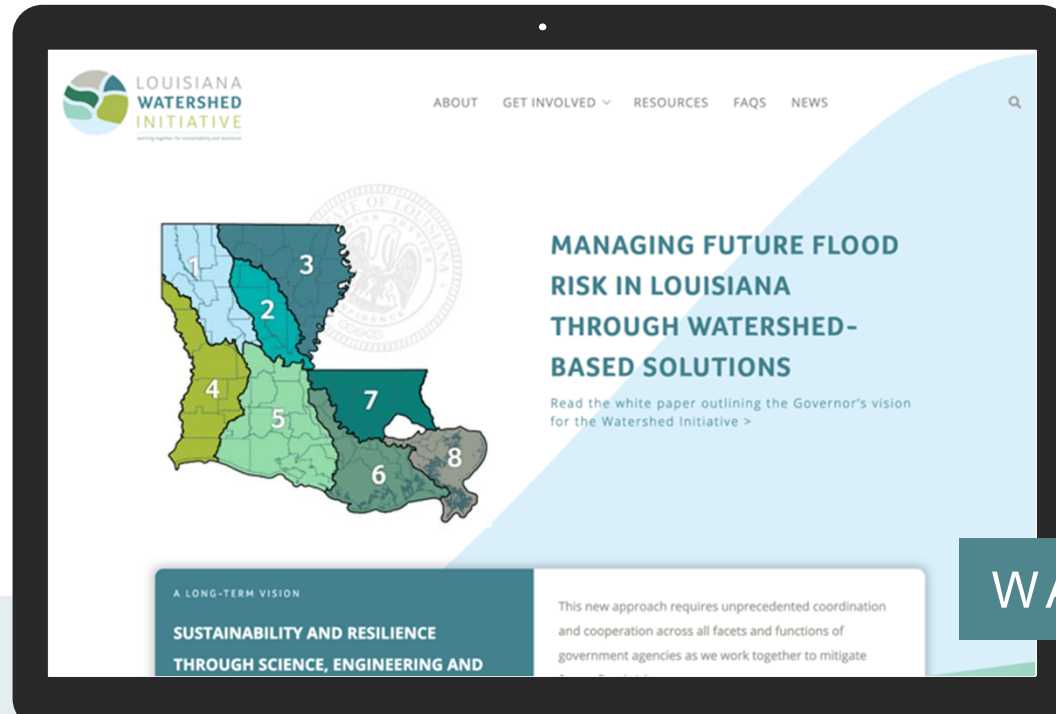


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# THANK YOU



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