



FEMA

# Risk MAP: WI County Floodplain Modernization

FEMA Region V, Langlade County

**Countywide Map Modernization: Kick-Off Meeting**  
**April 29, 2020**

**RiskMAP**

Increasing Resilience Together



# Meeting Agenda

- **Introductions/Roll Call**
- **Risk MAP Overview**
- **Countywide Map Update Project Scope**
- **Desired Input from Communities**
- **Individual questions/discussion**
- **Close**

# Staff that can provide assistance

- **Risk MAP Project Team, Wisconsin Department of Natural Resources (WDNR)**
  - Emily Szajna - Project Lead
  - Betsy Finlay – CTP Coordinator
  - Michelle Staff - NFIP Coordinator
  - Chris Olds - Floodplain Engineer
  - Forrest Van Asten– Regional Engineer
  - Rob Davis – Dam Safety/Floodplain Section Supervisor
- **Wisconsin Emergency Management (WEM)**
  - Robyn Fennig– State Hazard Mitigation Officer
  - Katie Sommers– Mitigation Section Supervisor
  - Guen Drewes – Disaster Response & Recovery Planner

# The Vision for Risk MAP

FEMA's Risk Mapping, Assessment, and Planning (Risk MAP) program involves collaboration with State, Local, and Tribal entities to deliver quality data that increases public awareness and leads to action that reduces risk to life and property



# National Flood Insurance Program (NFIP)

- **A voluntary program based on a mutual agreement between the Federal government and the local community:**
  - In exchange for adopting and enforcing floodplain management ordinances, Federally-backed flood insurance is made available to community property owners and disaster assistance.
  
- **NFIP Goals:**
  - Reduce the loss of life and property caused by flooding
  - Reduce rising disaster relief costs caused by flooding
  - Maintain the natural and beneficial functions of the floodplains

# National Flood Insurance Program (NFIP)- Participating/Non-Participating Communities

**What kind of assistance or support would you benefit from related to the NFIP?**

CID	Community Name	Init FHBM	Init FIRM	Current Effective Map Date	Reg-Entry Date
555541	City of Antigo	11/30/1973	11/30/1973	10/31/1975	11/30/1973
550576	Langlade County	05/14/1982	09/28/1990	09/28/1990	09/28/1990
550233	Village of White Lake*	10/01/1976	N/A	10/01/1976	N/A

\* Not in the NFIP

# National Flood Insurance Program (NFIP)- Participating/Non-Participating Communities

**What kind of assistance or support would you benefit from related to the NFIP?**

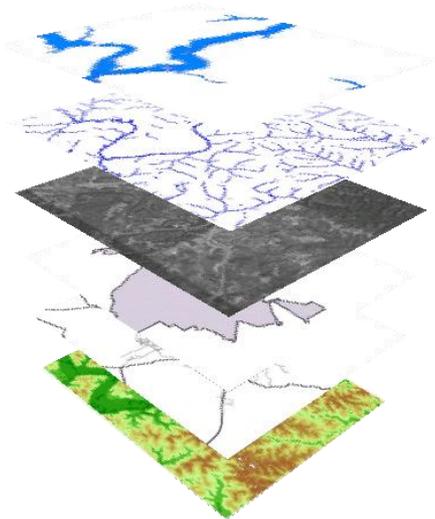
CID	Community Name	Policies in Force	Insurance in Force	Total Paid Losses	Total Paid Amount
555541	City of Antigo	25	\$1,665,700	01/15/1900	\$61,732.44
550576	Langlade County	16	\$2,994,400	01/02/1900	\$0
550233	Village of White Lake*	N/A	N/A	N/A	N/A

\* Not in the NFIP



# What data are we looking for from you?

- Contributions to LiDAR or other data to leverage into this Risk MAP effort?
- Some data listed below – please provide contact info for GIS person



Transportation Layers

Land Use Data

Political Boundaries

Essential Facility Data

Parcel Data

Ortho-photography

Areas of Mitigation  
Interest

Levees and Dams

High Water Marks

Wetlands or Environmentally  
Sensitive Area Data

# LiDAR - Topographic Data

## Known Best Available Data

- LiDAR
  - Summer 2018
  - Is this data available to use?
- Any additional efforts planned?
- Digital Ortho Photo – 2015 (restricted use)
  - Is this okay to use as the base map for the project?
  - According to the County website - will participate in the upcoming Wisconsin Regional Orthoimagery Consortium (WROC) 2020 flight.



# Countywide Map Update Timeline

## Langlade County

- **April 29, 2020: Kick-off Meeting**
- **Winter 2021/2022: Flood Risk Review Meetings**
  - Hydraulic Modeling Completed, data made digitally available to community officials
- **Future efforts (yet to be funded) would include preliminary and final countywide FIRMS**

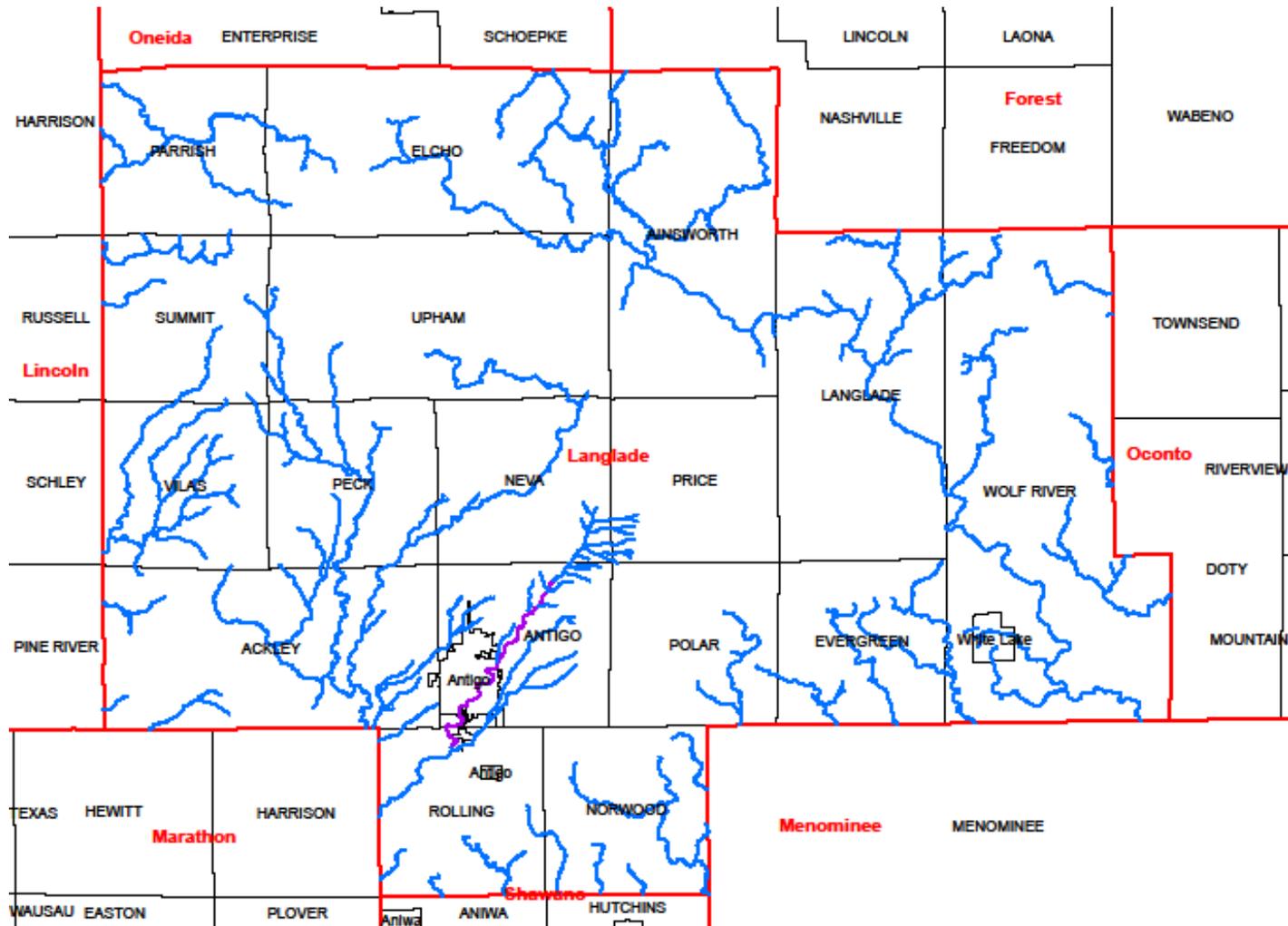
# Countywide Map Update: Langlade County

- **Areas on the existing Flood Insurance Rate Maps (FIRMs) will be updated. Goals are to:**
  - Incorporate updated topographic (redelineation of detailed studies) data
  - Keep same level of detail: areas studied using approximate methods (A zones) will remain A zones
    - Base Flood Elevations (BFE's), or the elevation to which floodwaters are anticipated to rise during a 1% annual chance flood, will not be published if not currently shown.
  - Share updated work map products digitally with communities

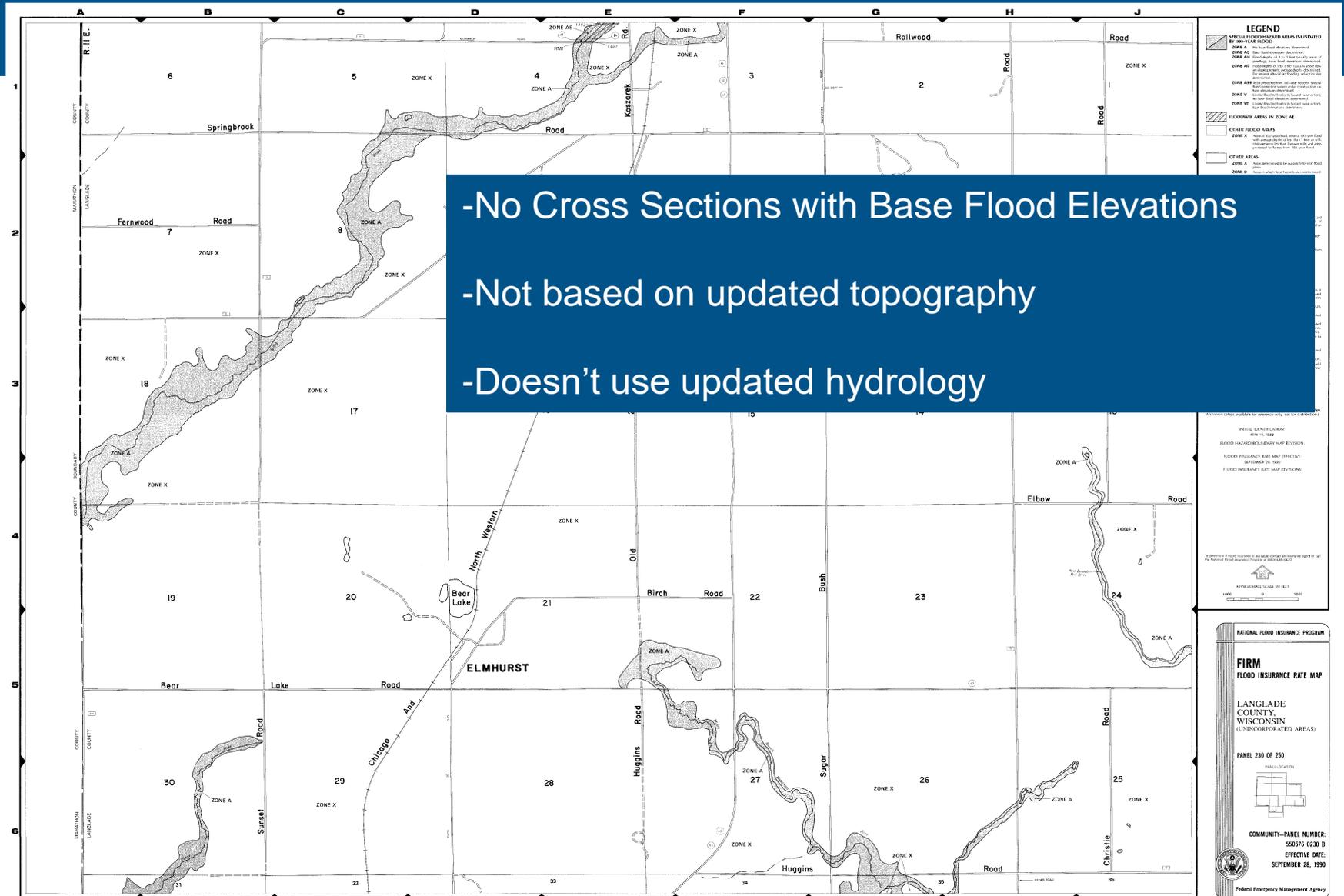
# Studied Streams

- Updated approximate (Zone A) streams : ~494 miles
- Re-delineated detailed (Zone AE) streams: ~9.6 miles
  - Spring Brook

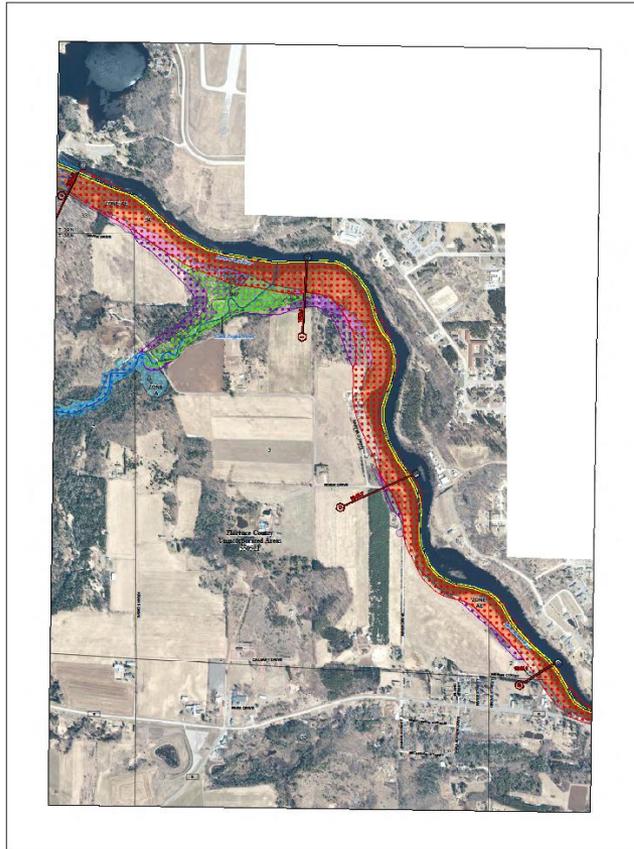
# Studied Streams



# Existing Zone A: Langlade County Example



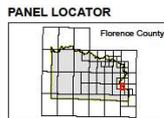
# Workmap examples



Map Projection: NAD 1983 HARN UTM Zone 16N

**DRAFT**

Florence County, WI  
WORKMAPS



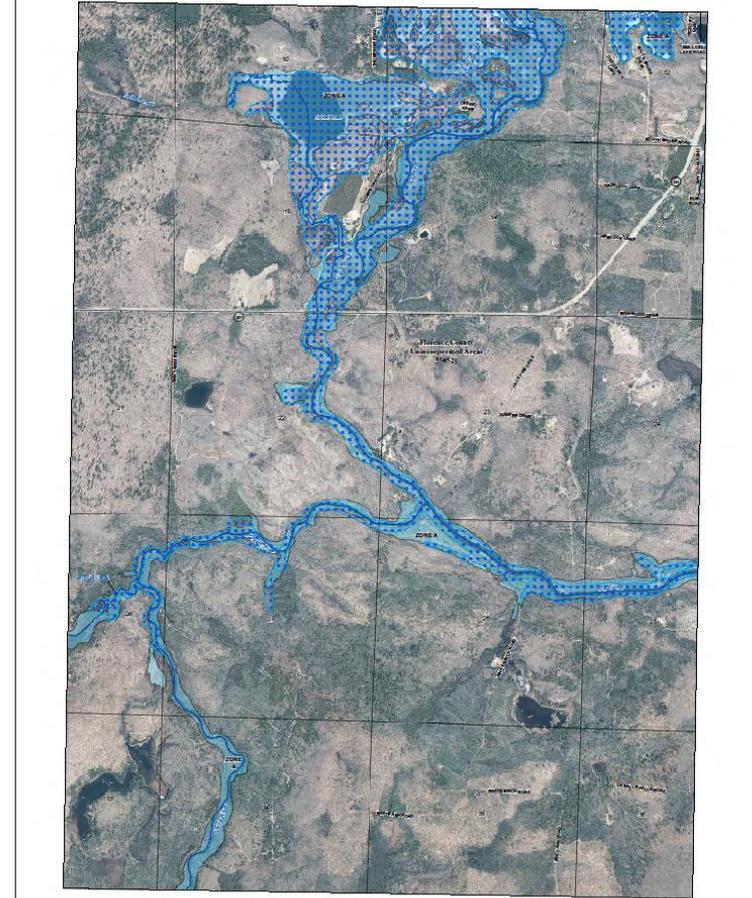
**MAP SYMBOLOGY**

	A	AE	AE Floodway	X	Cross Sections with 1% Annual Chance
Effective	[Symbol]	[Symbol] (EL 789)	[Symbol]	[Symbol]	[Symbol] 789.2
Proposed	[Symbol] (EL 789)	[Symbol]	[Symbol]	[Symbol]	[Symbol] 789.2



Panel Contains:  
COMMUNITY FLORENCE COUNTY PANEL SUFFIX 0361 B

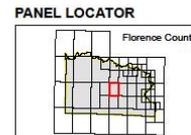
Release Date: TBD



Map Projection: NAD 1983 HARN UTM Zone 16N

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COMMUNITY FLORENCE COUNTY PANEL SUFFIX 0305 B

Release Date: TBD



# Hazard Mitigation Planning Status

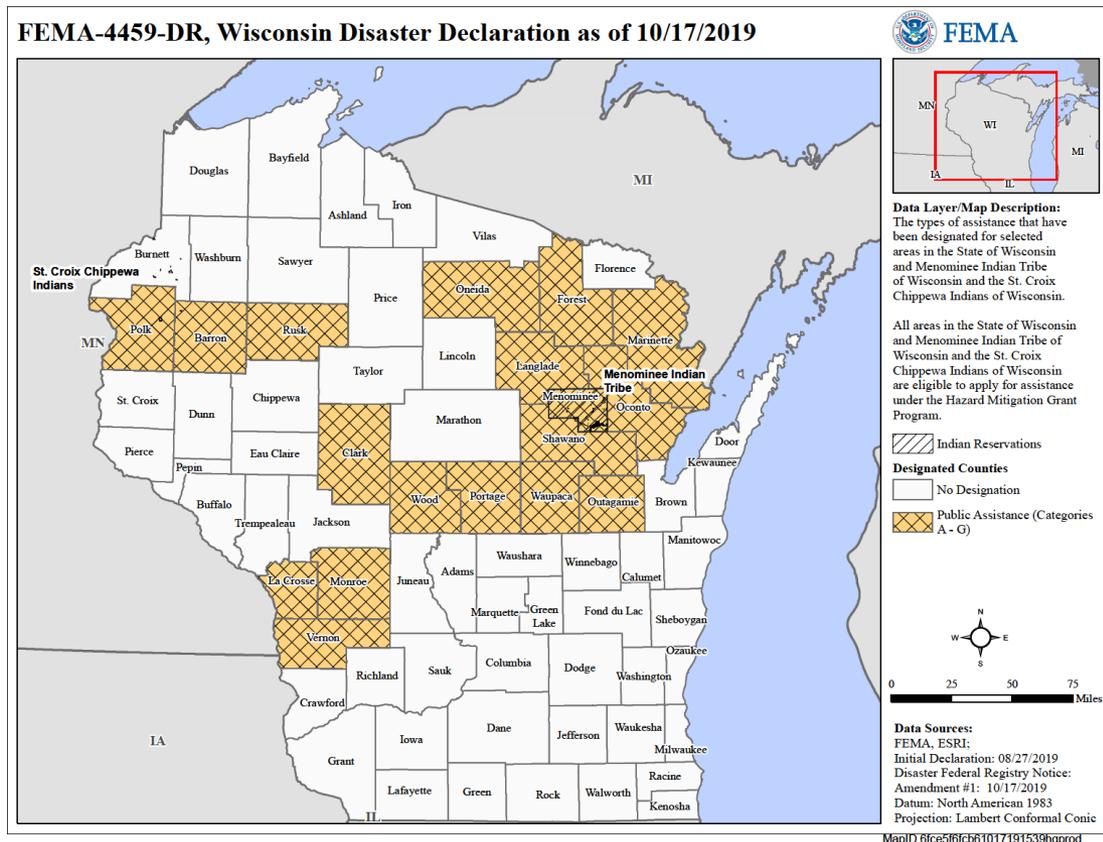
- **How much were you involved with developing your current plan?**
  - Langlade County: 2019 update
- **Do you desire support with planning in the future?**
  - How FEMA, DNR and WEM can help
- **What kind of technical assistance or support would you benefit from?**

# Disaster Assistance

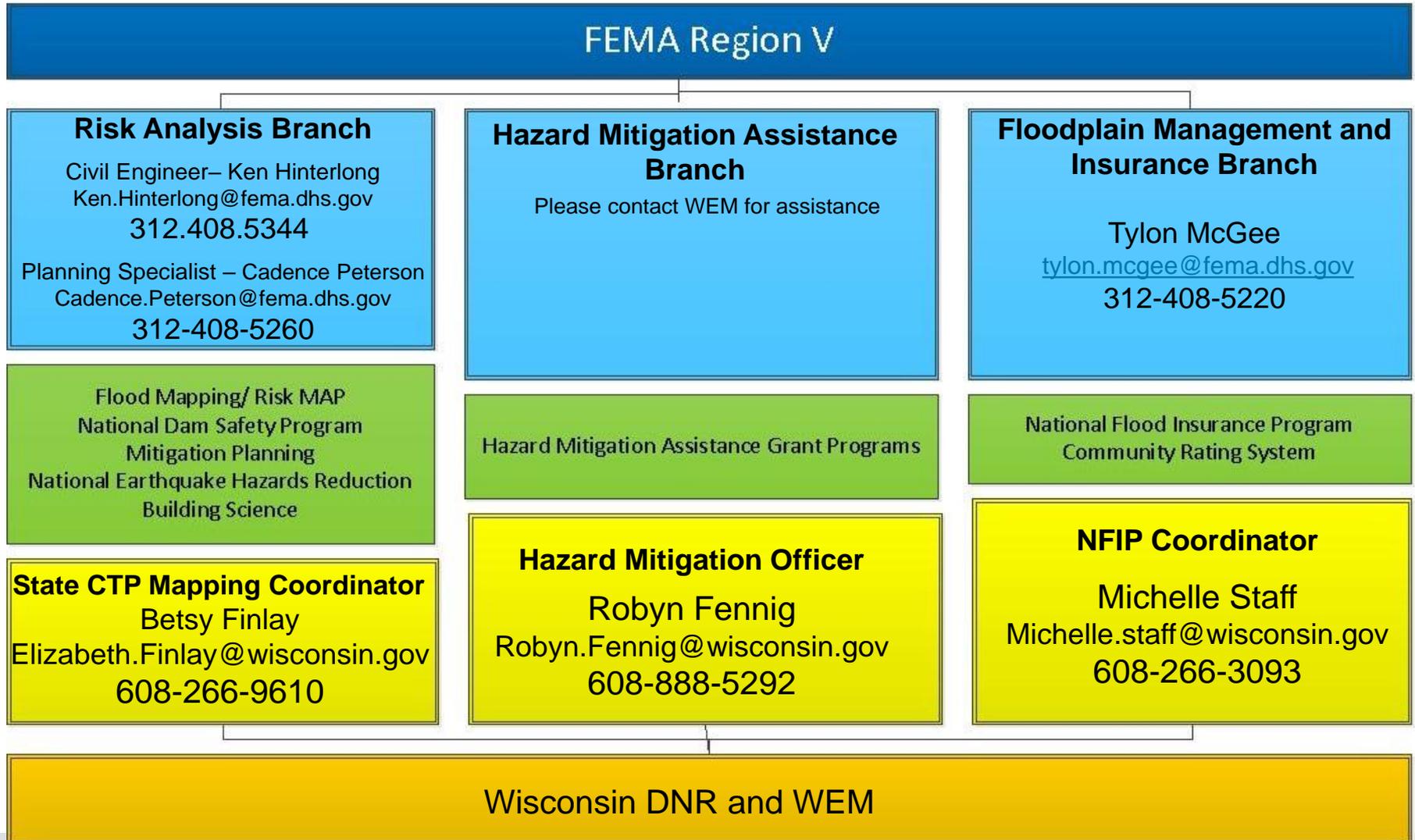
## Presidential Disaster Declarations resulting in Individual Assistance and/or Public Assistance being made available:

### DR-4459

- Severe storms, tornadoes, straight-line winds, and flooding
- Incident Period: 7/18/19-7/20/19
- Disaster Declaration date:
  - 8/27/2019
- PA Grants Dollar Obligated:
  - \$5,222,664.87



# FEMA and State Contacts



# Discussion & Questions

- **Engineering Methods 30-day comment period**
  - Response required
  
- **Questions**