



2018 Southern Wisconsin Floods

KATIE SOMMERS, MITIGATION SECTION SUPERVISOR

WISCONSIN EMERGENCY MANAGEMENT

ASFPM CHAPTER DIRECTOR – DISTRICT 2

Background

- ▶ 10-year anniversary of previous record-setting flood
- ▶ Recent flooding in the northern part of the state in June 2018
 - ▶ Disaster declaration DR-4383
 - ▶ Damages estimated at \$13 million in public facilities and infrastructure



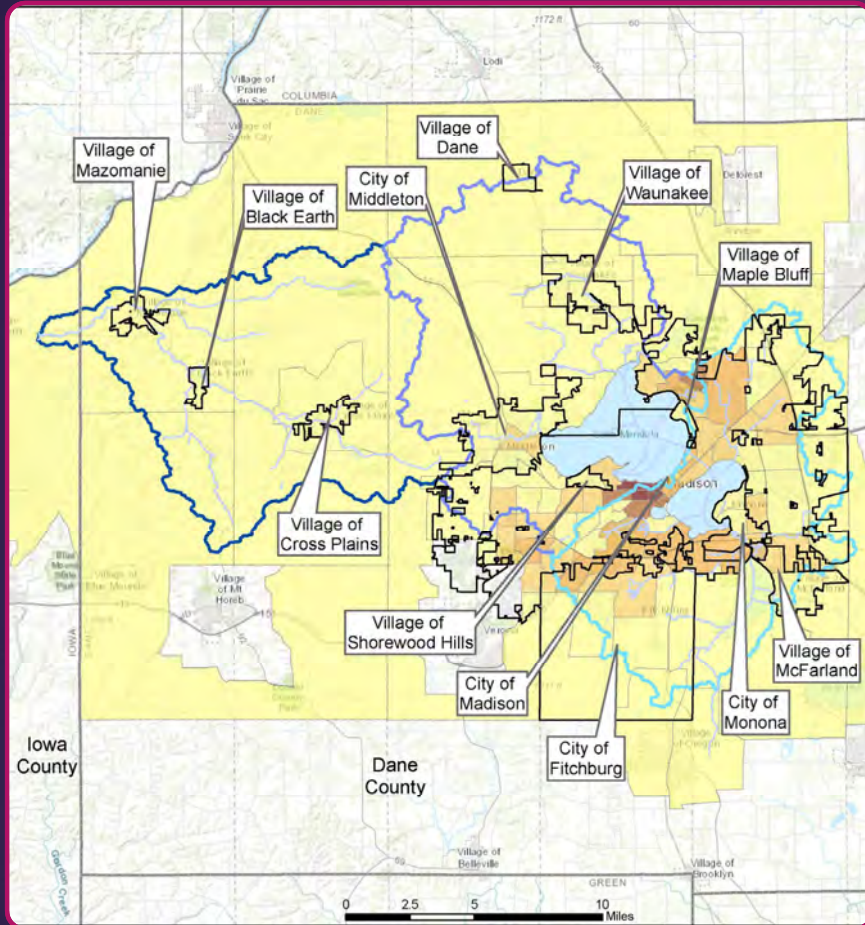
Event

- ▶ Starting Friday, August 17, multiple rounds of severe weather hit the southern part of the state
- ▶ Monday, August 20, extreme rainfall over western Dane County
- ▶ Tuesday, August 28, 19 tornadoes hit the state
- ▶ More heavy rains and flooding Labor Day weekend

Timeline



October 18: Federal Disaster Declaration DR-4402



Impacted Watershed: Yahara River



Mazomanie



Mazomanie



Black Earth



Middleton



28 Costco West 3
by CMA WFLM



Costco in Middleton



Pheasant Branch in Middleton



Madison



Madison



Monona



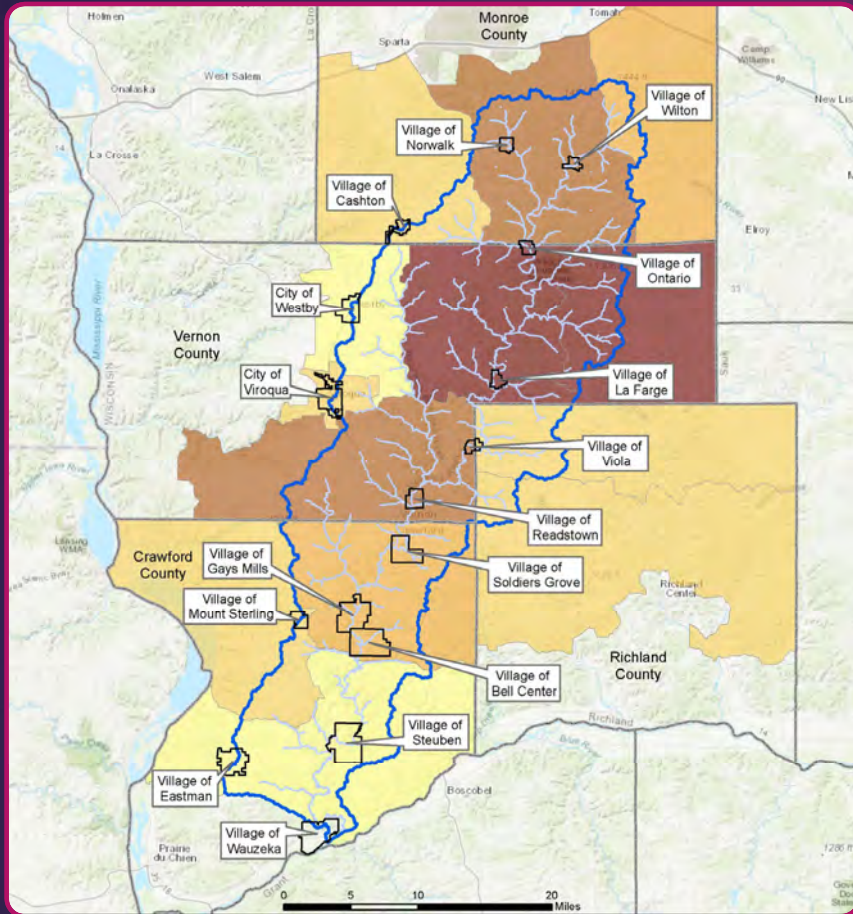
Monona Sandbagging Effort



Home Damage Dane County



Home Damage Dane County



Impacted Watershed: Kickapoo River



Jersey Valley Dam Breach



Coon Valley



Mlsna Dam Breach



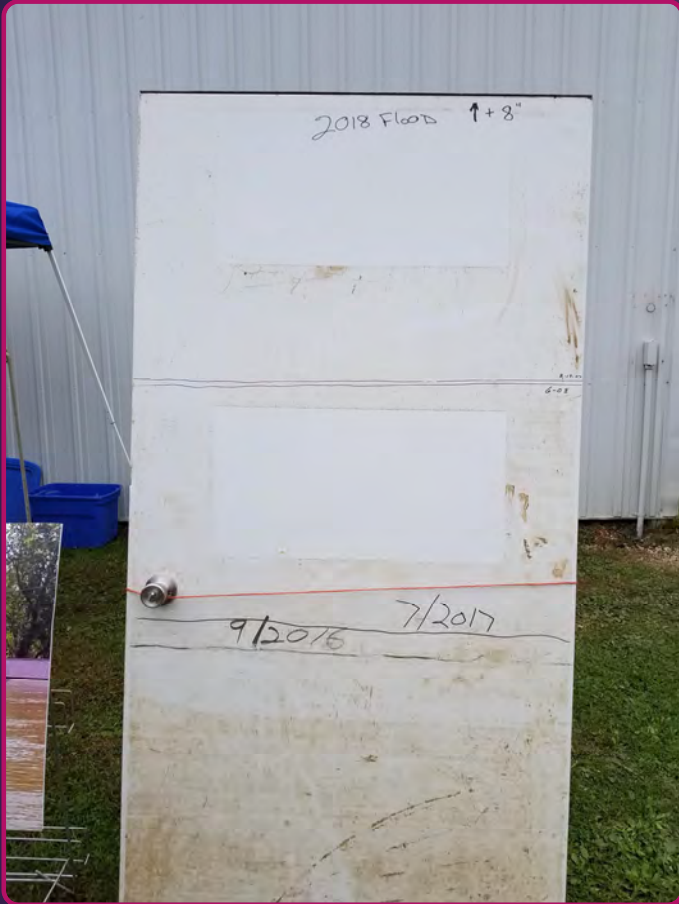
Mlsna Dam Breach



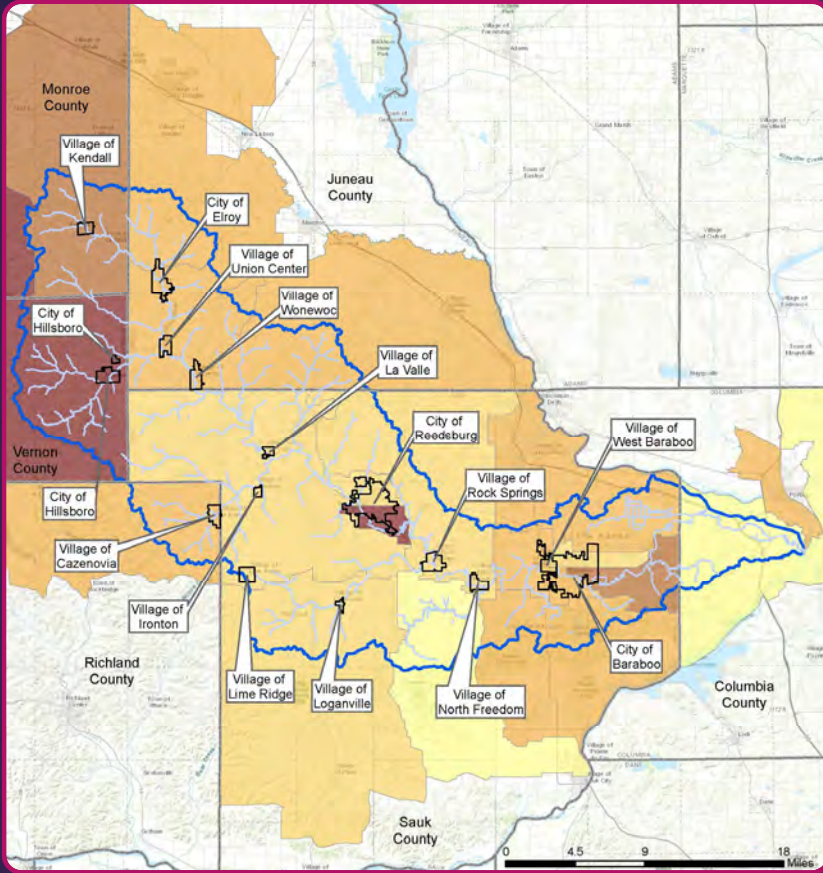
Mlsna Dam Breach



Mlsna Dam Breach



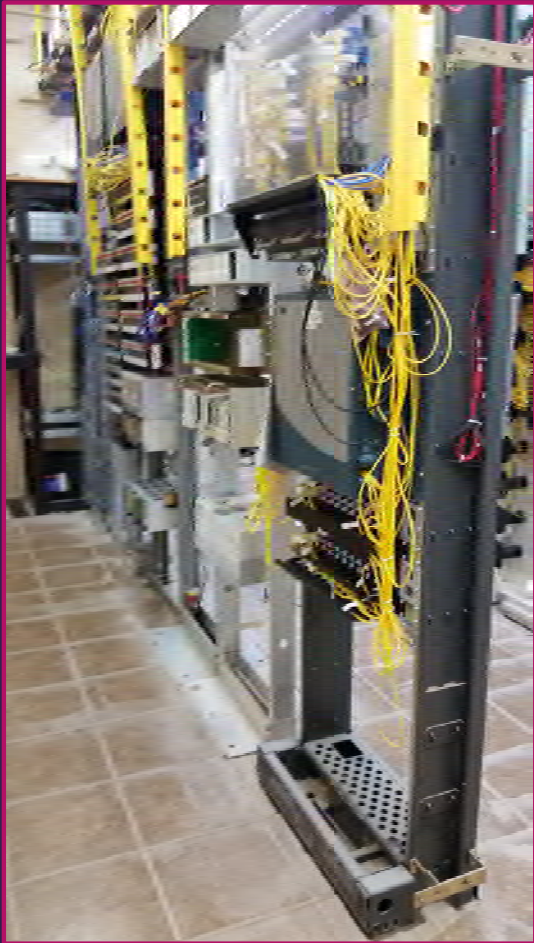
Gays Mills



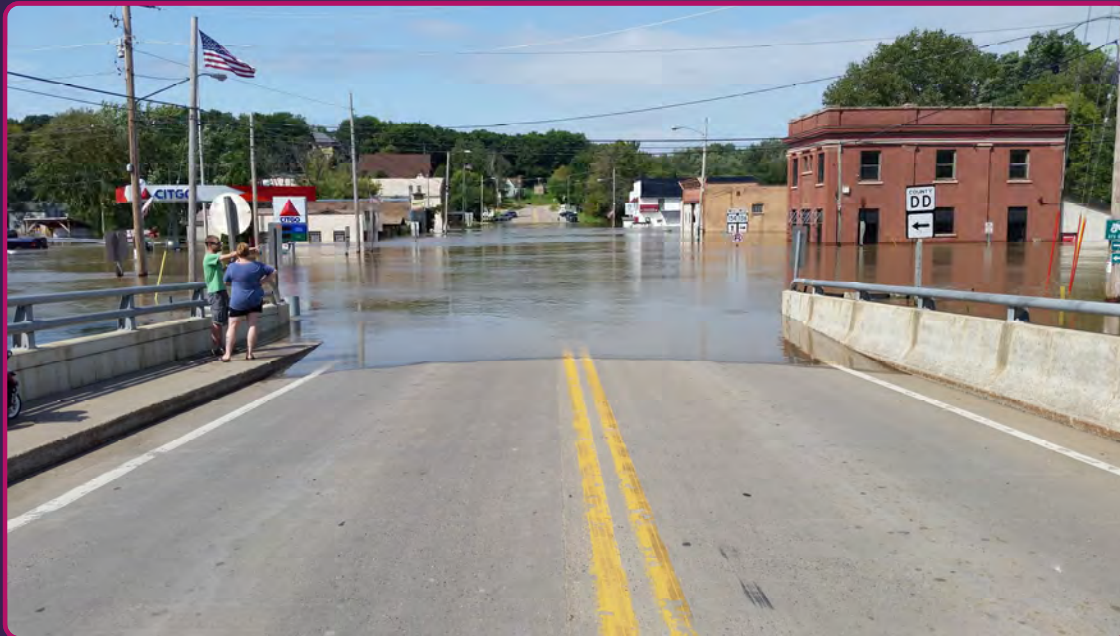
Impacted Watershed: Baraboo River



La Valle



La Valle



Rock Springs



Rock Springs

Rock Springs

2016 Flood



2018 Flood



Types of FEMA Disaster Assistance

Public Assistance

- ▶ For damaged public facilities/infrastructure
- ▶ FEMA pays 75%, state pays 12.5%, community pays 12.5%
- ▶ Can incorporate hazard mitigation activities

Individual Assistance

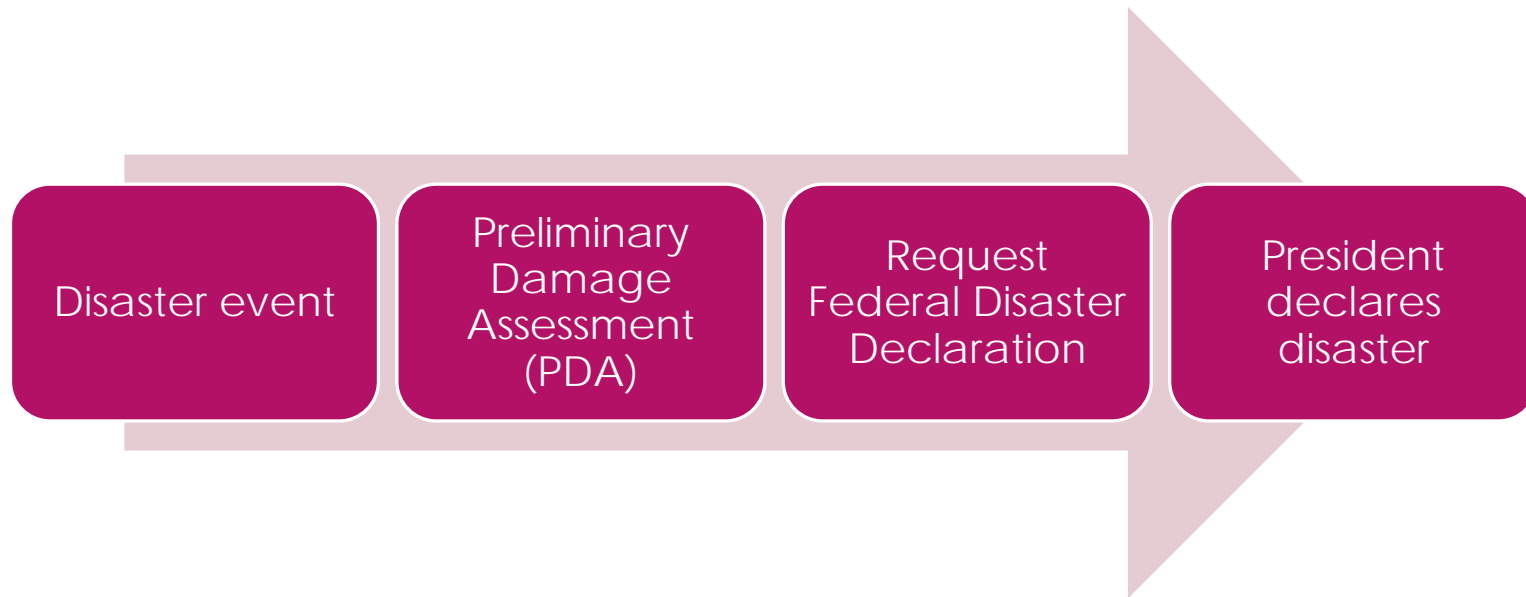
- ▶ Funds to homeowners
- ▶ Repair of housing, rental assistance, other assistance
- ▶ Maximum payout \$34,900
- ▶ Average payout \$4,000

Types of FEMA Disaster Assistance

Hazard Mitigation Grant Program

- ▶ Equivalent to 20% of Public and Individual Assistance funds
- ▶ FEMA pays 75%, state pays 12.5%, community pays 12.5%
- ▶ Grants to communities, not individuals
- ▶ Can fund mitigation for all-hazards
- ▶ State priority is acquisition and demolition of flood-prone structures
- ▶ Program moves very slowly

Disaster Assistance Process





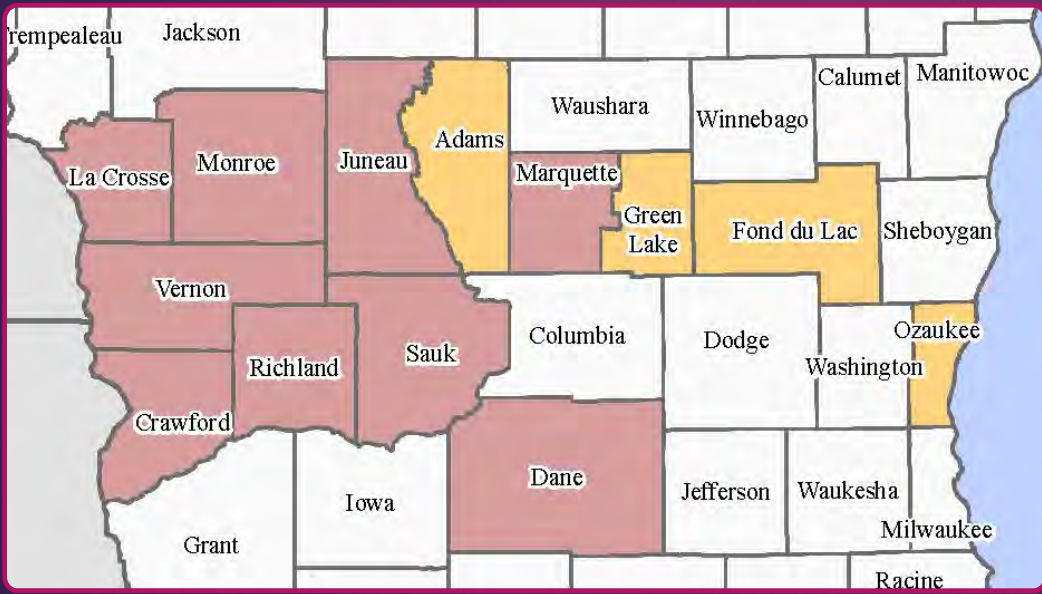
Damage Estimates from PDA

- ▶ Individual Assistance: \$13 million
- ▶ Public Assistance: \$37 million
- ▶ Homes:
 - ▶ Destroyed = 22
 - ▶ Major damage (>50%) = 348
 - ▶ Minor damage (<50%) = 572
 - ▶ Affected = 353



Designated Counties

-  No Designation
-  Public Assistance
-  Individual Assistance and Public Assistance



Federal Disaster Declaration DR-4402

It would have been worse...

Community	Project Type	Number of Structures
Elroy	Acquisition/Demolition	5 residential
Gays Mills	Acquisition/Demolition	27 residential, 3 commercial
Gays Mills	Elevation	1 residential
La Farge	Acquisition/Demolition	14 residential
Reedsburg	Acquisition/Demolition	18 residential, 2 commercial
Rock Springs	Acquisition/Demolition	18 residential, 1 commercial, 1 vacant
Soldiers Grove	Acquisition/Demolition	1 residential
Soldiers Grove	Elevation	4 commercial



Role of Floodplain Manager

- ▶ Before disaster
 - ▶ Building/zoning code development including floodplain ordinance
 - ▶ Proper permitting; enforcing building/zoning codes including floodplain ordinance
 - ▶ NFIP compliance
 - ▶ Promote flood insurance
 - ▶ Participate in hazard mitigation planning process

Role of Floodplain Manager

- ▶ After disaster
 - ▶ Substantial damage determinations
 - ▶ Strengthen existing building/zoning codes including floodplain ordinance
 - ▶ Proper permitting; enforcing building/zoning codes including floodplain ordinance
 - ▶ NFIP compliance
 - ▶ Promote flood insurance
 - ▶ Look for mitigation opportunities

