



Risk MAP: Kickapoo Watershed

Data Development Kick-Off Meeting

January 13, 2022



1

Reminders

- Thank you for joining us!
- This meeting will be recorded
- Please remember to mute your own line if you are not speaking in order to minimize disruption
- Please use the chat box to ask questions throughout the presentation
- Type in your name and title in the chat box so we have a record of attendance



2

Meeting Agenda

- **Introductions**
- **Brief Review of Discovery**
- **Risk MAP Overview**
- **National Flood Insurance Program (NFIP)**
- **Desired Input from Communities**
- **Kickapoo Watershed Map Update & Timeline**
- **Hazard Mitigation Planning Status**
- **Individual questions/discussion**
- **Close**



3

Welcome & Introduction

- **Risk MAP Project Team, Wisconsin Department of Natural Resources (WDNR)**
 - Ruth Ann Fowler - Project Lead
 - Betsy Finlay – CTP Program Coordinator
 - Bryan Cunningham - NFIP Coordinator
 - Marc Budsberg - Project Engineer
 - Chris Olds- State Floodplain Engineer
 - Tanya Lourigan – Dam Safety/Floodplain Section Supervisor
- **Wisconsin Emergency Management (WEM)**
 - Guen Drewes – State Hazard Mitigation Officer



4



4

Introductions

- **Federal Emergency Management Agency (FEMA)**
 - Munib Ahmad- Senior Engineer
 - Frank Shockey- Region V Senior NFIP Specialist
 - Nicholas Bruscato- Region V Emergency Management Specialist
 - Cadence Peterson- Region V Planner



5



5

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

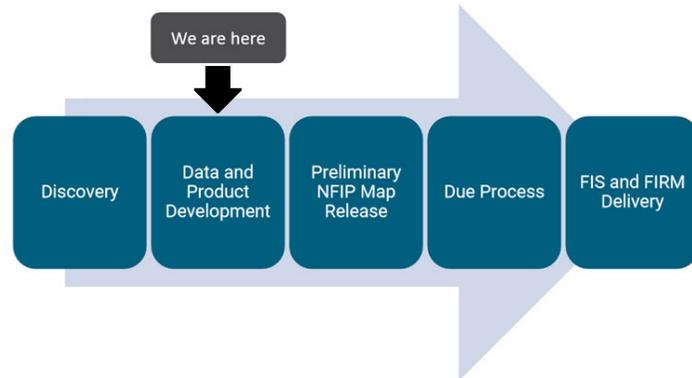


6



6

Risk MAP Process



7

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7

Kickapoo Watershed Discovery

- ▶ **1st Phase in FEMA's Risk MAP Program**
- ▶ **Kickapoo Discovery 2017-2018**
- ▶ **Exploratory Phase**
 - Data Collected & Analyzed
 - Discovery Map
 - Identified priority areas for new floodplain studies
 - Discovery Report
- ▶ **FEMA funded next phase:**
 - Data Development



8

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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



9



9

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

County	CID	Community Name	Initial FHBM	Initial FIRM	Current Effective Map Date	Regular Entry Date
Crawford	555551	Crawford County	-	4/20/1973	10/16/2015	4/20/1973
	550068	Village of Bell Center	1/9/1974	3/5/1990	10/16/2015	3/5/1990
	550541	Village of Eastman*	-	12/17/2010	12/17/2010	-
	550071	Village of Gays Mills	10/5/1973	6/15/1978	10/16/2015	6/15/1978
	550542	Village of Mount Sterling*	-	12/17/2010	10/16/2015	-
	550074	Village of Soldiers Grove	6/7/1974	4/3/1984	10/16/2015	4/3/1984
	555580	Village of Steuben	-	4/20/1973	10/16/2015	4/20/1973
Monroe	555586	Village of Wauzeka	-	4/20/1973	10/16/2015	9/30/2019
	550571	Monroe County	7/7/1978	5/3/1982	12/6/2019	5/3/1982
	550360	Village of Cashton*	N/A	1/20/2010	1/20/2010	N/A
	550289	Village of Norwalk	8/30/1974	1/20/2010	1/20/2010	1/20/2010
	550292	Village of Wilton	5/17/1974	10/15/1985	1/20/2010	10/15/1985
Richland	550356	Richland County	1/31/1975	9/27/1991	12/8/2016	9/27/1991
	550450	Vernon County	1/3/1975	9/29/1978	11/2/2012	9/29/1978
Vernon	550456	Village of La Farge	12/17/1973	11/16/1990	11/2/2012	11/16/1990
	550458	Village of Readstown	-	11/16/1990	11/2/2012	3/16/1976
	550590	City of Viroqua*	-	11/2/2012	11/2/2012	-
	550549	City of Westby*	-	11/2/2012	11/2/2012	-
Vernon/Monroe	550457	Village of Ontario	1/9/1974	11/2/2012	11/2/2012	6/24/2014
Vernon/Richland	550460	Village of Viola	12/17/1973	6/4/1990	12/8/2016	6/4/1990
Vernon/Richland/ Crawford/Monroe	550630	Ho-Chunk Nation of Wisconsin*	-	9/28/2012	-	-



* Not in the NFIP

10



10

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

County	CID	Community Name	Policies in Force	Insurance in Force	Total Paid Losses	Total Paid Amount
Crawford	555551	Crawford County	45	\$8,127,300.00	27	\$289,453.94
	550068	Village of Bell Center	-	-	-	-
	550541	Village of Eastman*	-	-	-	-
	550071	Village of Gays Mills	29	\$2,248,500.00	116	\$3,015,848.56
	550542	Village of Mount Sterling*	-	-	-	-
	550074	Village of Soldiers Grove	10	\$1,518,500.00	24	\$677,198.13
	555580	Village of Steuben	1	\$121,200.00	16	\$499,849.49
	555586	Village of Wauzeka	-	-	-	-
Monroe	550571	Monroe County	48	\$8,449,300.00	39	\$1,029,004.81
	550360	Village of Cashton*	-	-	-	-
	550289	Village of Norwalk	10	\$837,700.00	8	\$12,806.10
Richland	550292	Village of Wilton	1	\$350,000.00	-	-
	550356	Richland County	15	\$2,216,600.00	35	\$233,940.44
	550450	Vernon County	39	\$7,567,100.00	78	\$1,038,558.60
Vernon	550456	Village of La Farge	11	\$2,130,700.00	28	\$1,271,616.95
	550458	Village of Readstown	11	\$1,914,400.00	13	\$729,238.94
	550590	City of Viroqua*	-	-	-	-
	550549	City of Westby*	-	-	-	-
Vernon/Monroe	550457	Village of Ontario	7	\$1,397,000.00	6	\$157,745.53
Vernon/Richland	550460	Village of Viola	10	\$813,300.00	35	\$864,176.15
Vernon/Richland/ Crawford/Monroe	550630	Ho-Chunk Nation of Wisconsin*	-	-	-	-



FEMA

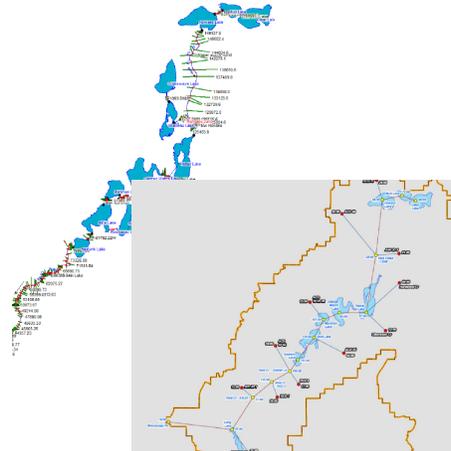
11

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11

What data are we looking for from you?

- Existing Hydraulic and Hydrologic Studies
 - USACE, USGS, DOT, Watershed Districts, developers, communities?
 - Study Date
 - Flooding Source and Location
 - Contact Info: name and email
 - Must be submitted by communities to FEMA for use in project**



FEMA

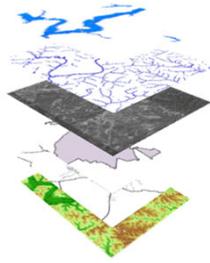
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What data are we looking for from you?

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



- Political Boundaries
- Major Roads
- Streams
- Dams
- Structures
- Areas of Mitigation Interest
- Essential Facility Data



13



13

LiDAR – Topographic Data

Known Best Available Data

- LiDAR
 - Crawford County: **2011**
 - (2021)
 - Monroe County: **2019**
 - Richland County: **2010**
 - (2021)
 - Vernon County: **2020**



14



14

Kickapoo Watershed Map Update Timeline

- **March 26, 2018: Discovery Meeting**

- **January 13, 2022: Data Development Kick-off Meeting**

- **Winter 2022/2023: 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**



15



15

Kickapoo Watershed Map Update

- **Areas identified during Discovery & funded by FEMA will be updated. Goals are to:**
 - Updated H&H for detailed Zone AE streams

 - Updated H&H for all approximate Zone A streams

 - Keep same level of detail: areas studied using approximate methods (A zones) will remain A zones & detailed (AE zones) will remain AE 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



16



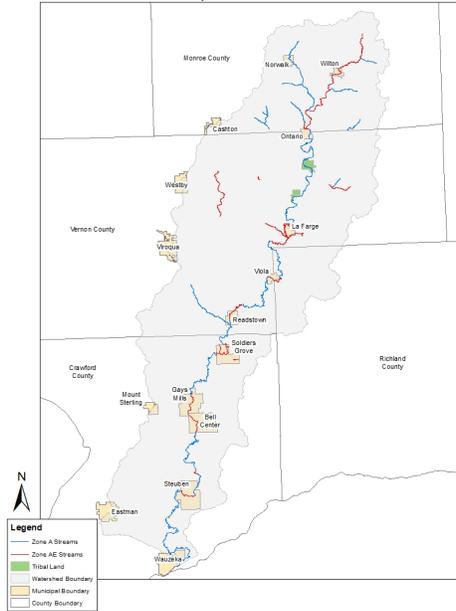
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Studied Streams

- Updated engineering for approximate (Zone A) streams : ~130 miles
- Updated engineering for detailed (Zone AE) streams: ~64 miles

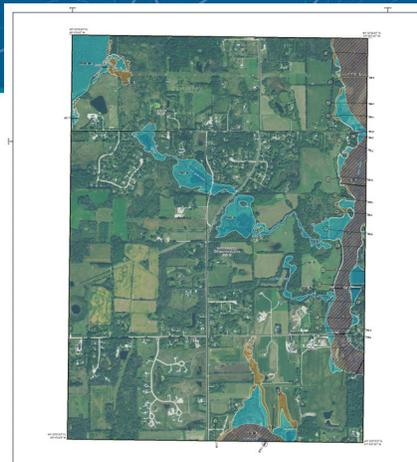


Stream Map Updates Kickapoo Watershed



17

Workmap Example



FLOOD HAZARD INFORMATION

NOTES TO USERS

SCALE

PANEL LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program



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18

Hazard Mitigation Planning Status

- **How much were you involved with developing your current plan?**
 - Crawford County: 2019 update
 - Monroe County: 2019 update
 - Richland County: 2017 update
 - Vernon County: 2018 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?**



19



19

Disaster Assistance

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

- **4141-DR**
 - Severe storms, Flooding, and Mudslides
 - Incident Period: 6/20/13 – 6/28/13
 - Disaster Declaration date:
 - 8/9/2013
 - PA Grants Dollar Obligated:
 - \$7,818,100.42*

*current award amount for entire disaster, that has been approved by FEMA. Amount changes until disaster is closed by FEMA.

FEMA-4141-DR, Wisconsin Disaster Declaration as of 08/08/2013



Designated Counties:
 Yellow: Public Assistance
 All counties and Indian Tribes in the State of Wisconsin are eligible to apply for assistance under the Federal Emergency Relief Program.

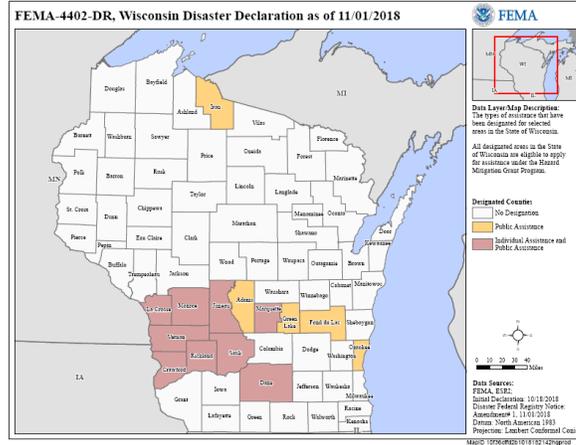


20

Disaster Assistance

4402-DR

- Severe Storms, Tornadoes, Straight-line Winds, Flooding, and Landslides
- Incident Period: 8/17/18 – 9/14/18
- Disaster Declaration date:
 - 10/18/2018
- PA Grants Dollar Obligated:
 - \$33,442,163.26*



*current award amount for entire disaster, that has been approved by FEMA. Amount changes until disaster is closed by FEMA.



23

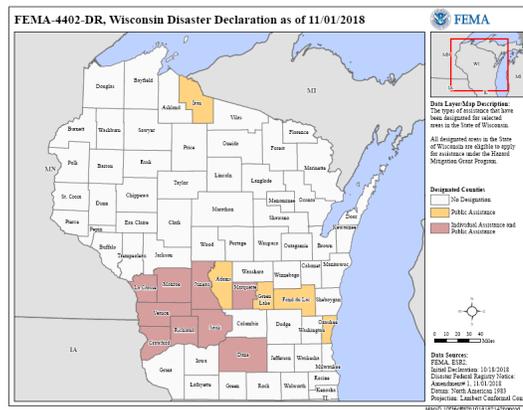


23

Disaster Assistance

4459-DR

- Severe Storms, Tornadoes, Straight-line Winds, and Flooding
- Incident Period: 7/18/19 – 7/20/19
- Disaster Declaration date:
 - 08/27/2019
- PA Grants Dollar Obligated:
 - \$23,241,900.28*



*current award amount for entire disaster, that has been approved by FEMA. Amount changes until disaster is closed by FEMA.

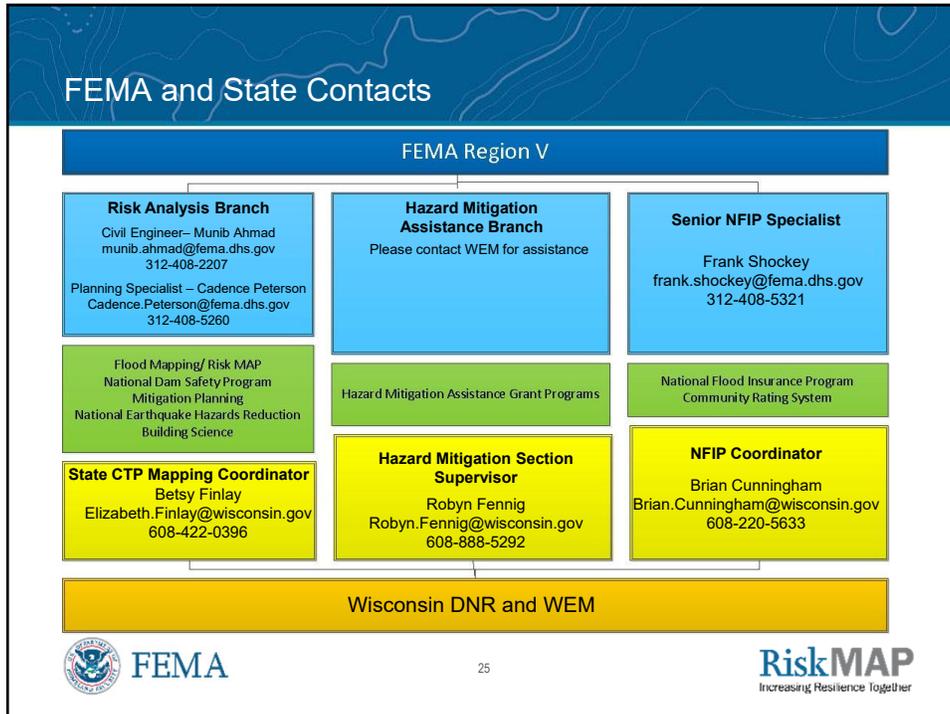


24



24

FEMA and State Contacts



25

Discussion & Questions

- **Engineering Methods 30-day comment period**
 - 620 letters mailed 12/17/2021
- **Questions?**

26