

September 29, 2025

St. Croix Countywide Map Update: Kickoff Meeting



FEMA

Zoom Meeting Housekeeping

- Please enter the organization you belong to in the group chat so that we have a record of all stakeholders who attended
- If you were not on the original invite and would like to keep updated, please also include your e-mail with your organization
- You are muted and video turned off upon entry
- If you wish to ask a question, Raise your hand or type it in chat

Meeting Agenda

- Introductions
- RiskMAP Overview
- National Flood Insurance Program (NFIP)
- Desired Input from Communities
- Project Timeline
- Project Scope
- Questions

Welcome & Introduction



Risk MAP Project Team, Wisconsin Department of Natural Resources (WDNR)

- Allison Kielar – Floodplain Mapping Project Lead
- Ben Sanborn – CTP Coordinator
- Chris Olds – State Floodplain Engineer
- Sarah Rafajko – State National Flood Insurance Program (NFIP) Coordinator
- Jen Jefferson – Dam Safety/Floodplain Section Supervisor
- Ben Koch – Regional Water Management Engineer

Welcome & Introduction



FEMA

Federal Emergency Management Agency (FEMA)

- Munib Ahmad – Region 5 Engineer
- Meghan Burrows – Region 5 Community Planner
- Diana Espino – Floodplain Management Specialist
- Chad Lanctot – Region 5 Tribal Liaison and Risk MAP Outreach Specialist

What is 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

- Deliver quality data
- Increase public awareness of flood risk
- Encourage local/regional actions that reduce risk



Risk MAP Project Benefits

Flood risk products and flood hazard maps that are:

- Developed by FEMA in collaboration with communities
- Based on the best available data and latest technologies
- Strengthened by partnerships

Risk MAP tools and data can be used to:

- Create or improve your Hazard Mitigation Plans
- Make informed decisions about development, ordinances, and flood mitigation projects
- Communicate with citizens about flood risk

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

GET FLOOD INSURANCE



FEMA



NFIP Participating / Non-Participating Communities

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

Helping people before, during and after disasters

*Not participating in
the NFIP

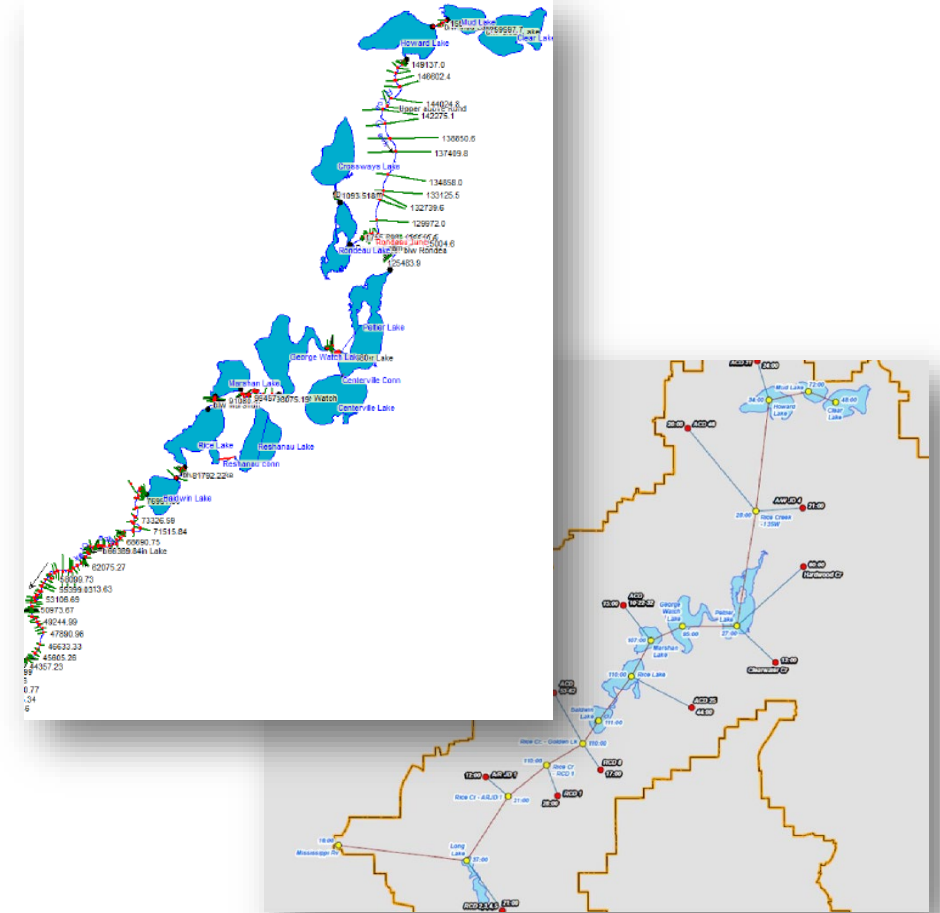
CID	Community	Initial FIRM	Current Effective Map Date
550380	Village of Baldwin	08/15/1990	03/16/2009
550562	Village of Deer Park*	03/16/2009	03/16/2009
550381	City of Glenwood City	09/04/1986	03/16/2009
550382	Village of Hammond	07/16/1987	03/16/2009
555558	City of Hudson	11/10/1972	03/16/2009
550384	City of New Richmond	07/16/2004	03/16/2009
555568	Village of North Hudson	08/22/1975	03/16/2009
550330	City of River Falls	12/15/1982	11/16/2011
550078	Village of Roberts	03/16/2009	03/16/2009
550386	Village of Somerset	06/01/1987	03/16/2009
550331	Village of Spring Valley	03/15/1984	12/30/2020
555578	St. Croix County	04/27/1973	03/16/2009
550387	Village of Star Prairie	03/16/2009	03/16/2009
550389	Village of Wilson	05/01/1987	03/16/2009
550390	Village of Woodville	05/04/1989	03/16/2009

CID	Community	NFIP Policies in Force	Insurance in Force	Total Paid Losses	Total Paid Amount
550380	Village of Baldwin	5	\$1,009,000	8	\$225,566
550562	Village of Deer Park*	-	-	-	-
550381	City of Glenwood City	-	-	-	-
550382	Village of Hammond	-	-	-	-
555558	City of Hudson	5	\$1,894,000	8	\$198,350
550384	City of New Richmond	6	\$1,427,000	11	\$201,046
555568	Village of North Hudson	7	\$1,932,000	1	\$317
550330	City of River Falls	1	\$140,000	2	\$1,435
550078	Village of Roberts	-	-	-	-
550386	Village of Somerset	1	\$249,000	-	-
550331	Village of Spring Valley	8	\$1,280,000	4	\$7,246
555578	St. Croix County	41	\$10,971,000	51	\$721,931
550387	Village of Star Prairie	1	\$37,000	-	-
550389	Village of Wilson	-	-	-	-
550390	Village of Woodville	3	\$622,000	-	-

What data are we looking for from you?

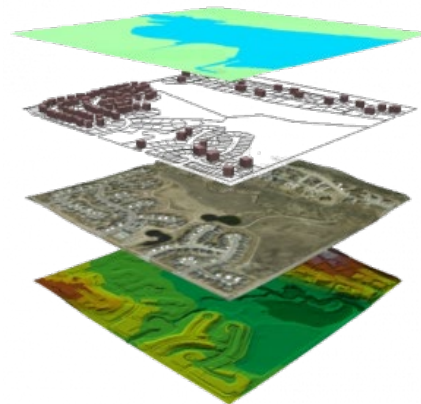
Existing Hydraulic and Hydrologic Studies

- 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



Leveraging Local Data

- Updated mapping or mitigation projects a high priority?
- Contributed to LiDAR data collection or have other data to leverage?
- Some data listed below – please provide contact info for GIS staff
- How data is used and leveraged in Risk MAP



Transportation Layers

Political Boundaries

Parcel Data

Building Footprints

Inundation Areas from
Historic Flooding

Land Use Data

Essential Facility Data

Ortho-photography

Other

Wetlands or
Environmentally Sensitive
Area Data

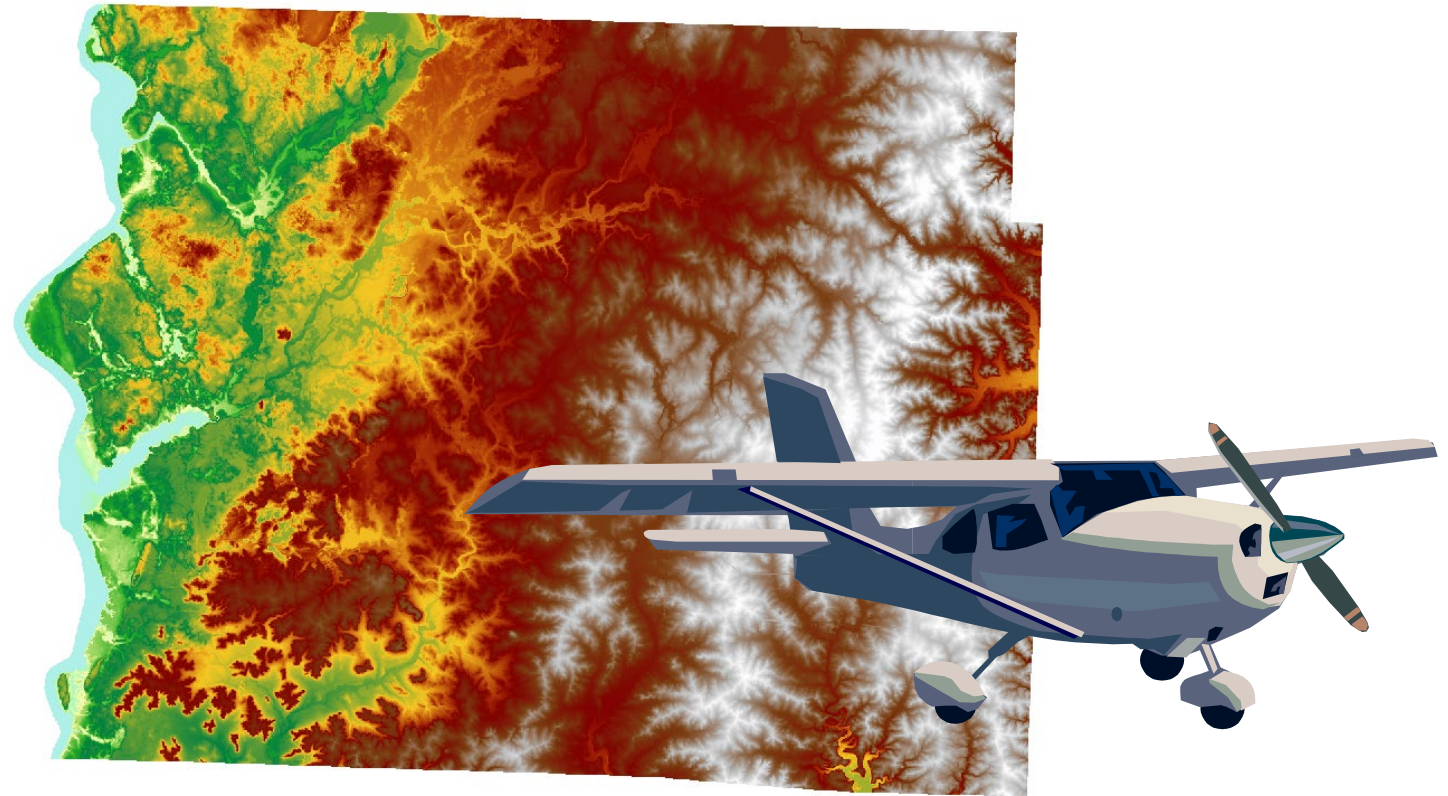
LiDAR – Topographic Data

Known Best Available Data:

- 2021 LiDAR →
- Digital Ortho Photo 2020

<https://www.sco.wisc.edu/>

Any additional efforts planned?



Countywide Map Update Timeline

Today, September 29, 2025: Kick-off Meeting

- Survey crews are currently out gathering data
- Engineering Models Summary Letter and Enclosures mailed today to community CEOs

Flood Risk Review Meeting

- Hydraulic modeling completed; draft materials made digitally available
- Online draft floodplain ArcGIS viewer
- Non-regulatory products shared (Depth Grids, Water Surface Elevation Grids, Percent Annual Chance Grids)

Future efforts *(yet to be funded)* would include preliminary and final countywide FIRMs and FIS report.

- Another local officials meeting and public open house would follow the release of preliminary materials.

Current Effective Floodplains

[FEMA's National Flood Hazard Layer \(NFHL\)](#) →

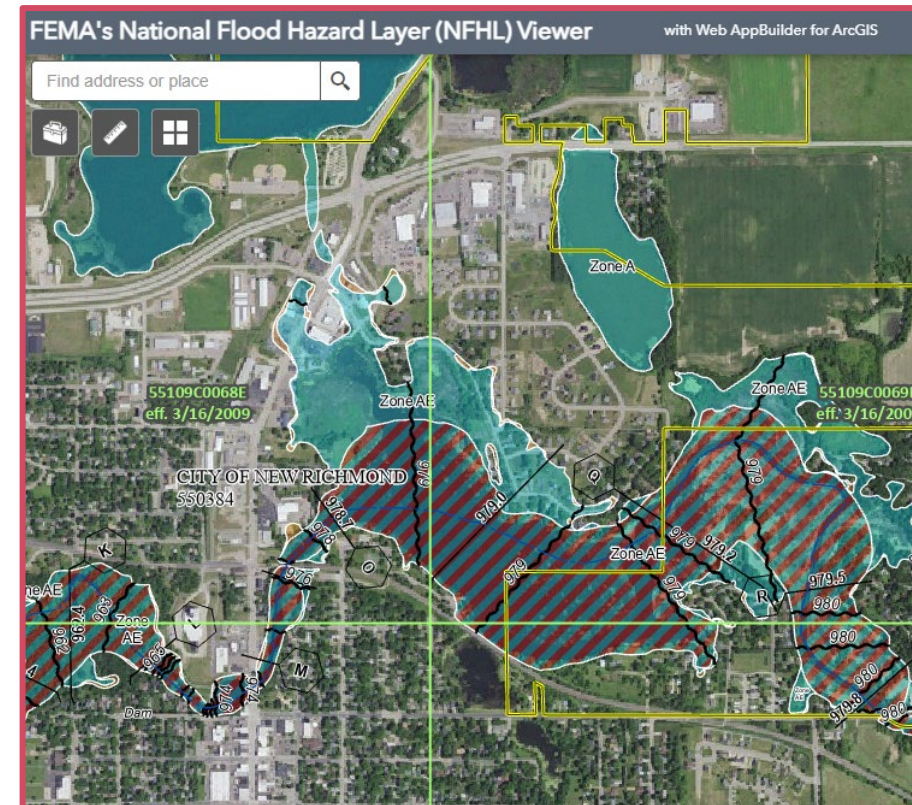
- View effective floodplain maps nationwide
- Can search by address

[FEMA Flood Map Service Center](#)

- View effective and historic mapping products nationwide
- Downloadable

[WI DNR Surface Water Data Viewer](#)

- View additional WDNR data layers and FEMA floodplains on the same viewer



Last countywide study 03/16/2009

How might the flood maps change?

Types of Restudy – Approximate Study

- Using a technique called Base Level Engineering (BLE)
- No published Base Flood Elevations (BFEs)
- No on-the-ground survey information
- If available, modeling uses structure data
- Improved quality from the older approximate zones



Zone A

Types of Restudy – Redelineation

- Used when underlying flood data is still valid
- No new hydrology, hydraulics, or field survey data used
- No changes to Base Flood Elevations (BFEs) published on the maps
- Existing zones are remapped using most up to date elevation data (LiDAR)



Zone AE

Types of Restudy – New Detailed Study

- Most comprehensive study update
- All new hydrology, hydraulics, survey data, elevation data
- New Base Flood Elevations (BFEs) published on the maps



Zone AE

Countywide Map Update

Areas on the existing Flood Insurance Rate Maps (FIRMs) will be updated.

Goals are to:

- Update 7 detailed studies
- Incorporate updated topographic and hydrologic data (redelineate 3 detailed studies)
- Generally keep same level of detail in areas studied using approximate methods (Zone A) will remain A zones
 - Base Flood Elevations (BFEs), or the elevation to which floodwaters are anticipated to rise during a 1% annual chance flood, will not be published if not currently shown
 - A->AE: 2.2 miles Apple River, 1.3 miles Tiffany Creek, 2.0 miles Willow River
- Share updated work map products digitally with communities at the draft phase

Studied Streams

Updated Approximate (Zone A) Streams:

- 406.1 miles

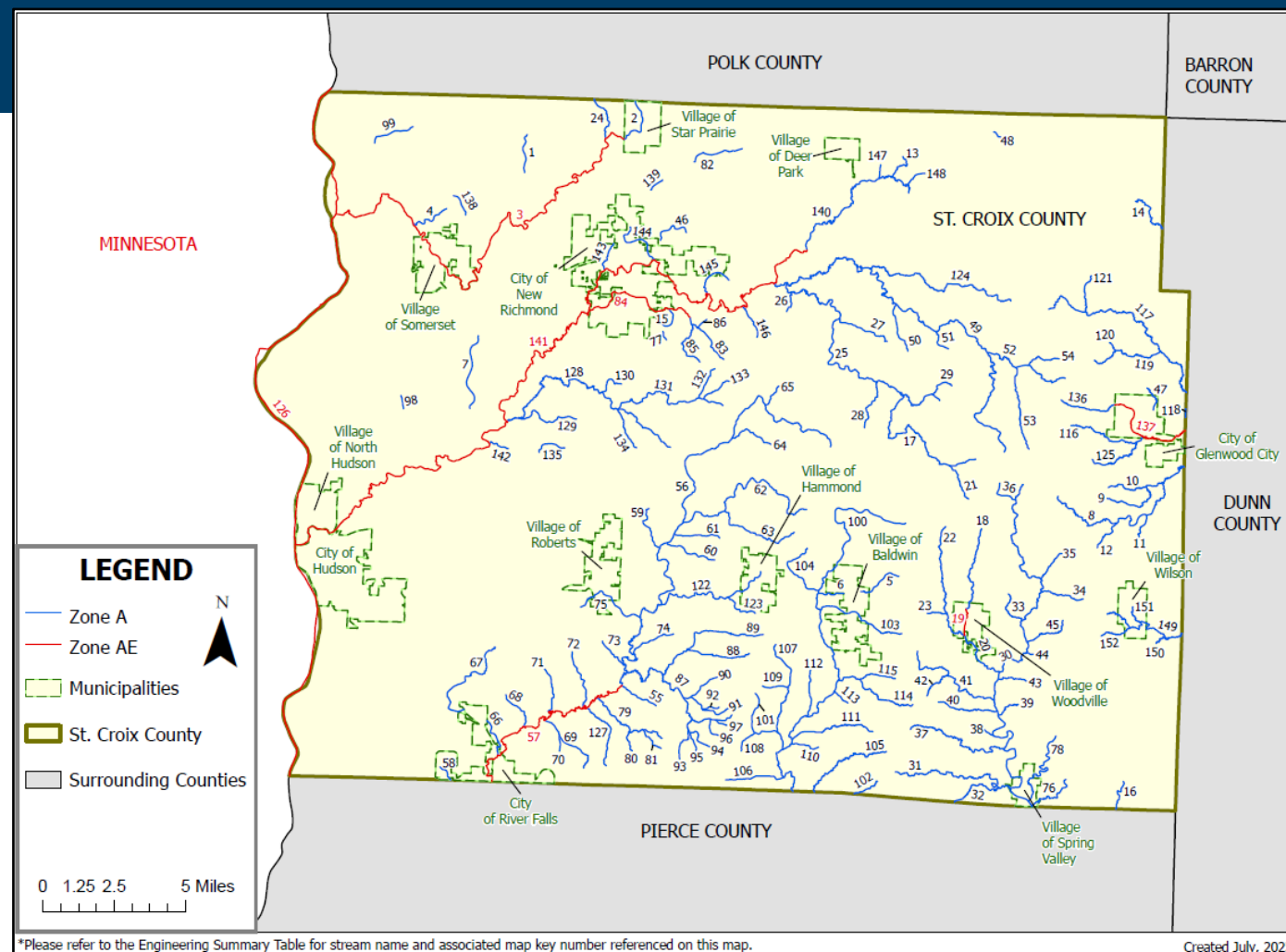
Updated Detailed (Zone AE) streams: 104.3 miles

- Apple River, Carr Creek, Kinnickinnic River, Paperjack Creek, St. Croix River, Tiffany Creek, Willow River

Re-delineated detailed (Zone AE) streams: 3 miles

- Baldwin Creek, Glenhaven Creek, Unnamed Stream

The Engineering Summary Map/Table will be mailed/shared with the upcoming 620 letters.

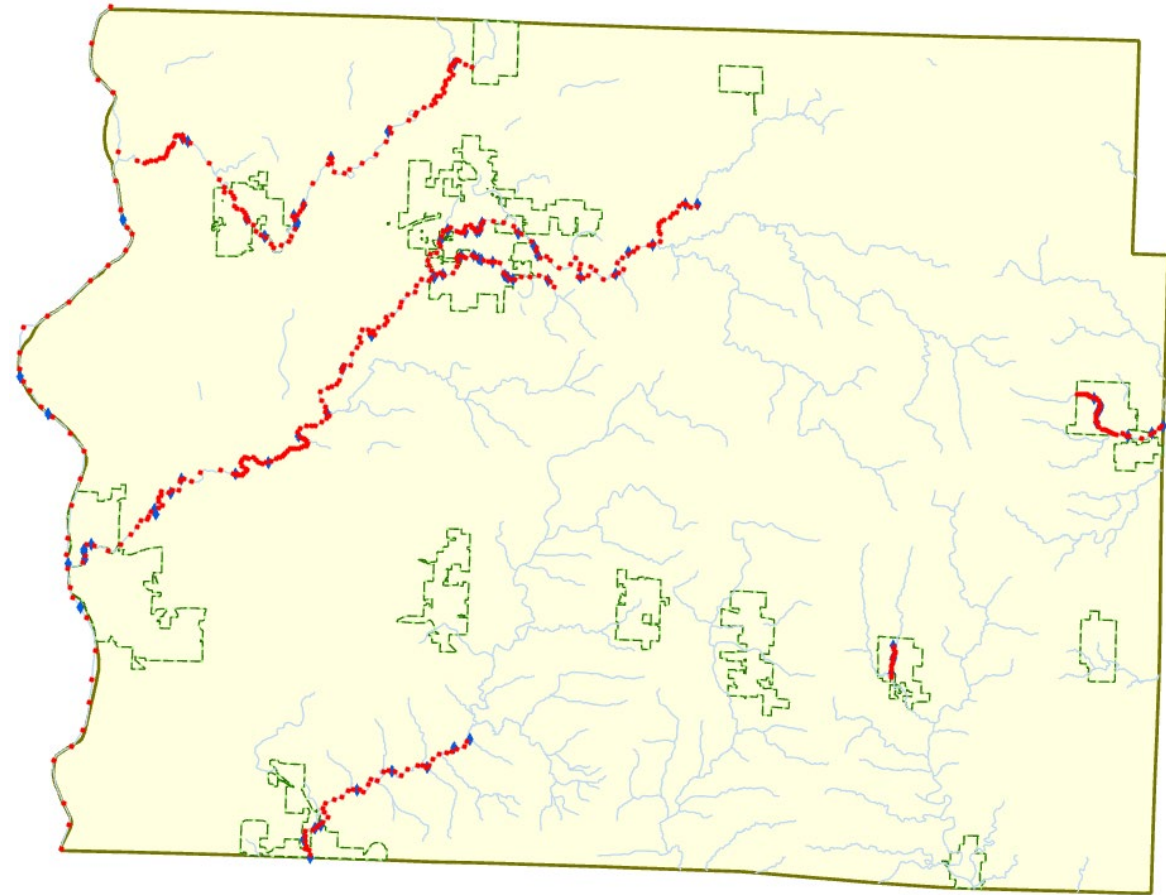


Survey

Survey crews are currently out gathering data at:

- 440 channel survey locations
- 84 structure survey locations

Survey is done for new detailed studies only.



Engineering Methods 30-day Comment Period

30-Day Engineering Models Notification Letter

Will be mailed shortly after today's meeting. Letter & enclosures will also be emailed to community ZAs.

Letters include an Engineering Methods Summary Table and Scoped Stream Reaches Map.

Comment period ends October 29, 2025

Contact Allison Kielar for any questions or comments.

Allison.Kielar@wisconsin.gov

Hazard Mitigation Planning Status

How much were you involved with developing your current plan?

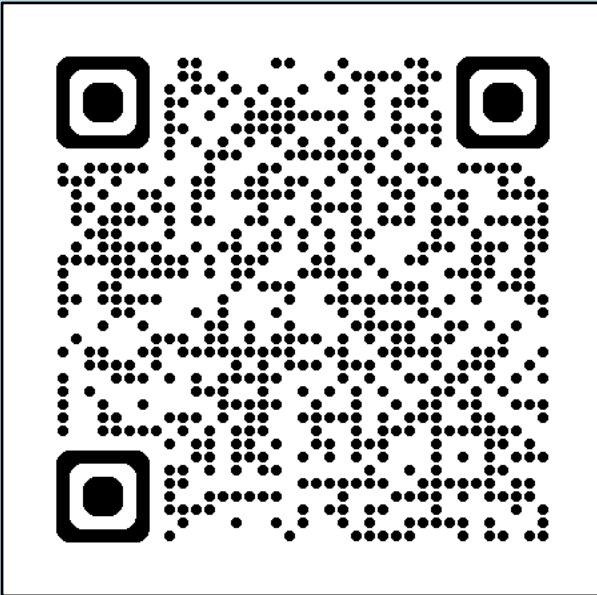
- St. Croix County: HMP 2024-2029

Do you desire support with planning in the future?

- FEMA, DNR, and WEM can help

What kind of technical assistance or support would you benefit from?

WI DNR Risk MAP Webpage



[https://dnr.wisconsin.gov/topic/
FloodPlains/RiskMap.html](https://dnr.wisconsin.gov/topic/FloodPlains/RiskMap.html)

Questions?

FEMA

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