22-11 White & Gallatin County, Illinois FEMA RISK MAP Project Initiation Community Coordination call



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Rollcall

Introduction

Project Objectives and Goals

National Flood Insurance Program/Mitigation

Terminology

Project Scope

Data Development

Communication & Outreach

Schedule

Community Participation

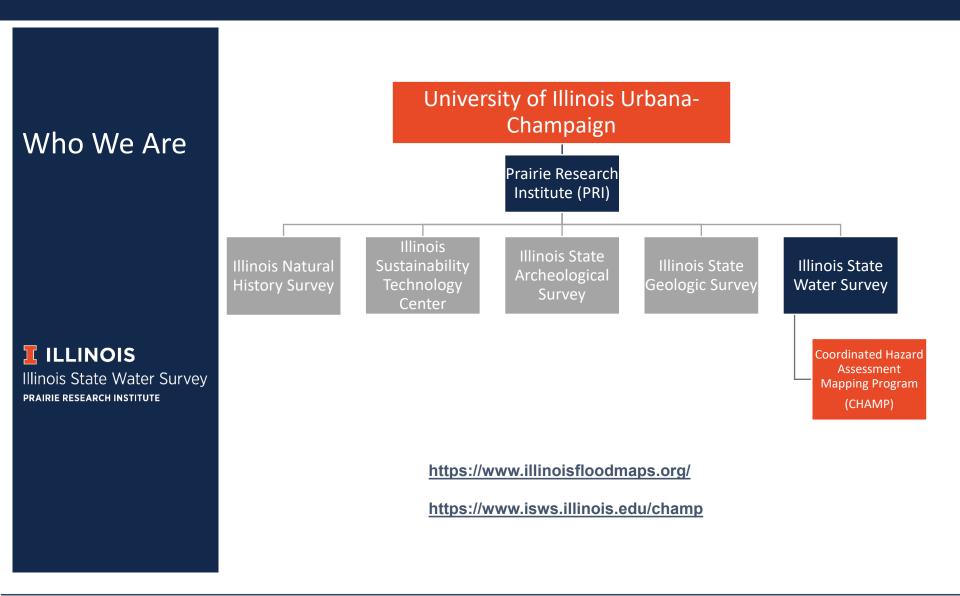
Questions/Discussion

Roll Call

- Village of Norris City⁺
- White County * +
- Gallatin County* ⁺

- Greater Wabash Regional Planning Commission
- IDNR-OWR
- FEMA
- IEMA
- Other Agencies?

* NFIP Participating; + Participating MHMP jurisdiction



FEMA

ISWS is a <u>Cooperating Technical Partner</u> (CTP) with the

Federal Emergency Management Agency. (FEMA)

FEMA

The Cooperating Technical Partners (CTP) Program

IDNR-OWR

ISWS partners with The Illinois Department of Natural Resources-Office of Water Resources (IDNR-OWR). Together we prioritize Illinois floodplain studies and mapping projects.

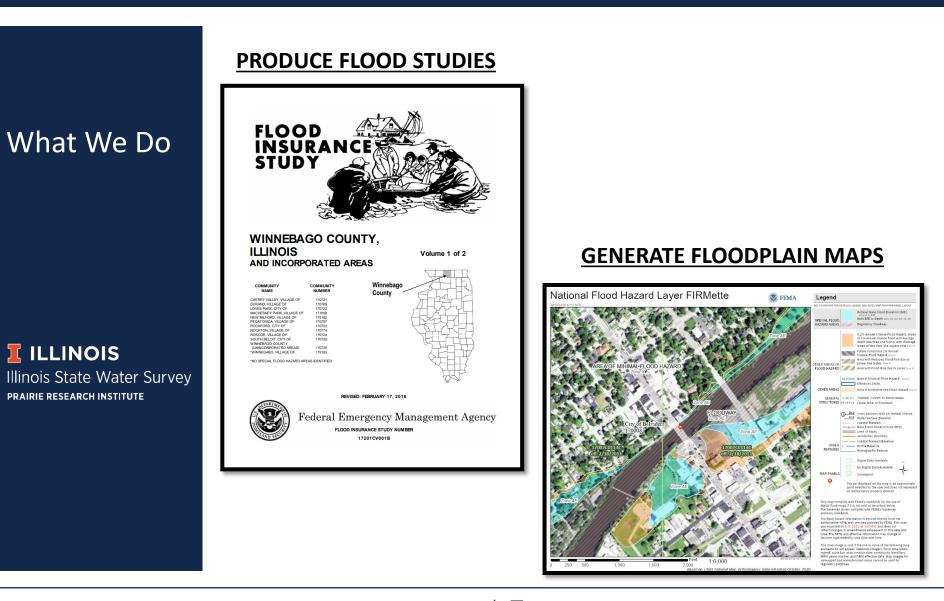


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Our Partners

Your Community

ISWS provides ongoing engagement with state and local officials and watershed stakeholders to reduce flood risk.



How We Are Funded



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INFORM RESIDENTS AND COMMUNITIES about flood hazards in their communities.

What We Do

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National Flood Insurance Program and Mitigation

National Flood Insurance Program

The NFIP is a voluntary program based on a <u>mutual</u> agreement between the Federal government and a community.

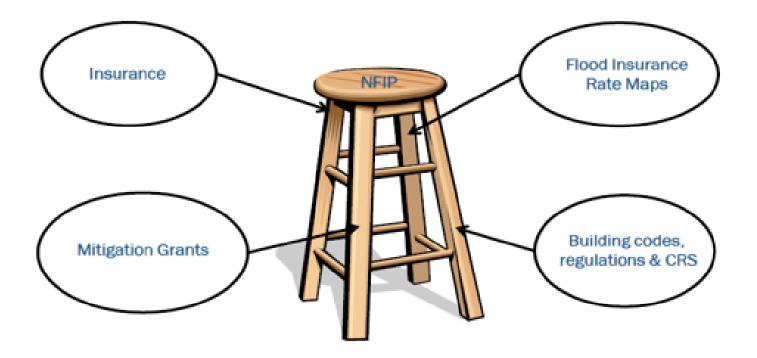
In exchange for adopting and enforcing a floodplain management ordinance, Federally-backed flood insurance is made available to property owners throughout the community.

Erin Conley, NFIP State Coordinator

erin.c.conley@Illinois.gov

National Flood Insurance Program

Three +1 Related Program Areas



White County Multi-Hazard Mitigation Plan

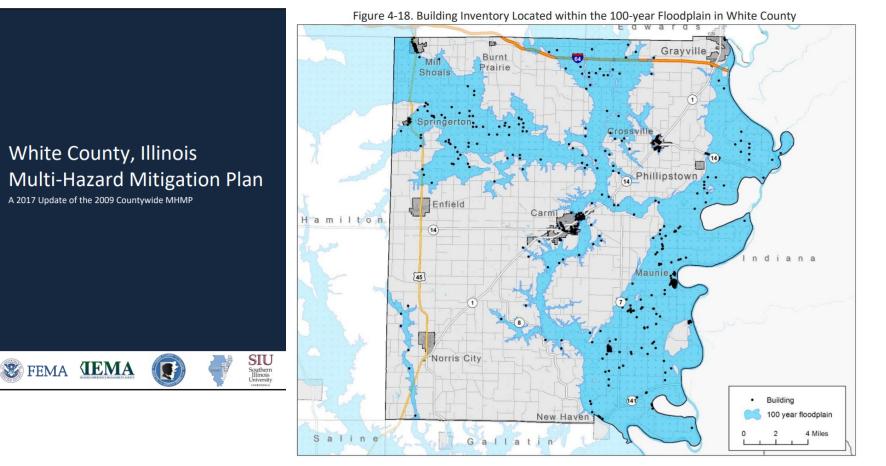


Table 4-34. Estimated Flood Losses within the 100-year Floodplain

Occupancy Class	Number of Structures	Estimated Building Related Losses
Residential	496	\$5,681,792
Commercial	47	\$1,868,848
Industrial	4	\$121,978
Agricultural	112	\$1,242,857
Total:	659	\$8,915,475,000
		N.B. Error in MHMP Table: Total should read \$8.91

N.B. Error in MHMP Table: Total should read \$8,915,475

Terminology

What is a Special Flood Hazard Area?

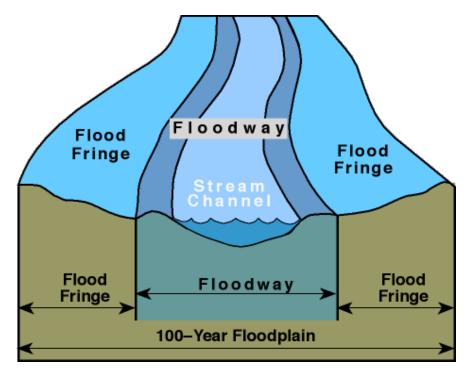
The FEMA <u>Special Flood</u> <u>Hazard Area (SFHA)</u> zone type designation is related to the method and level of hydraulic analysis performed. Riverine hydraulic analysis typically results in SFHA designation as <u>Zone A</u> or <u>Zone AE</u>, based on the analysis level deemed appropriate for the study area.

The <u>Base Flood Elevation</u> (BFE) is the elevation of surface water resulting from a flood that has a 1% chance of equaling or exceeding that level in any given year.

Zone A	Areas subject to inundation by the 1-percent-annual- chance flood event. NO Base Flood Elevations are shown.
Zone AE	Areas subject to inundation by the 1-percent-annual- chance flood event. Base Flood Elevations ARE shown.

Floodway **Zone AE**

The floodway is the channel of a stream *plus* any adjacent floodplain areas that must be kept free of encroachment so that the 1%-annual-chance flood can be carried without substantial increases in the flood heights.







What is a Special Flood Hazard Area?

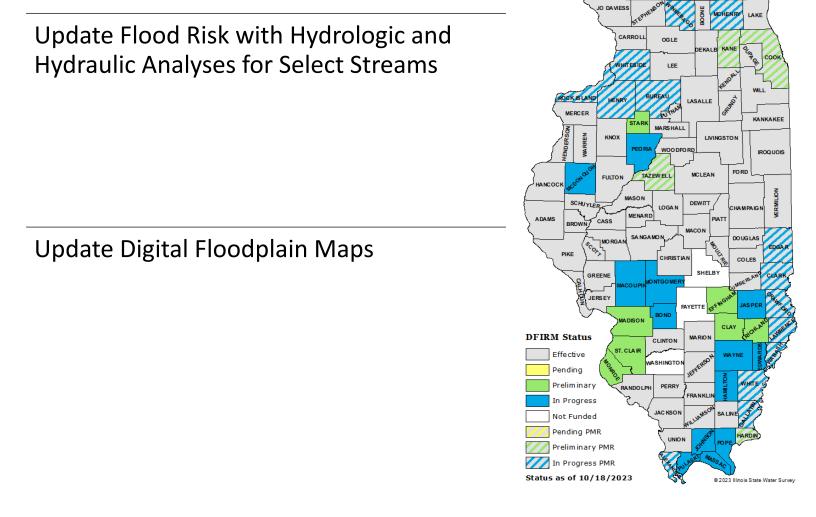


Project Objectives and Goals

FEMA National Objectives and Goals



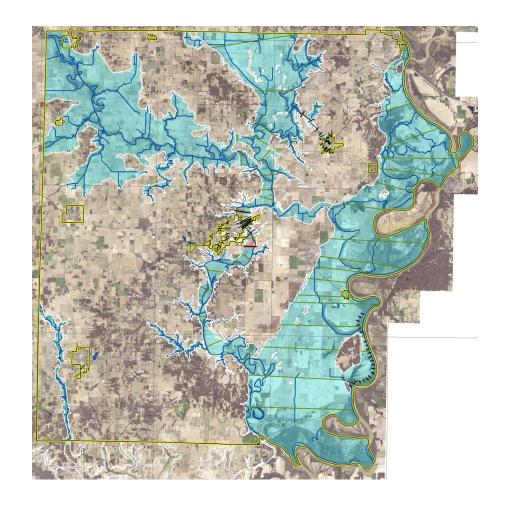
State Objectives and Goals

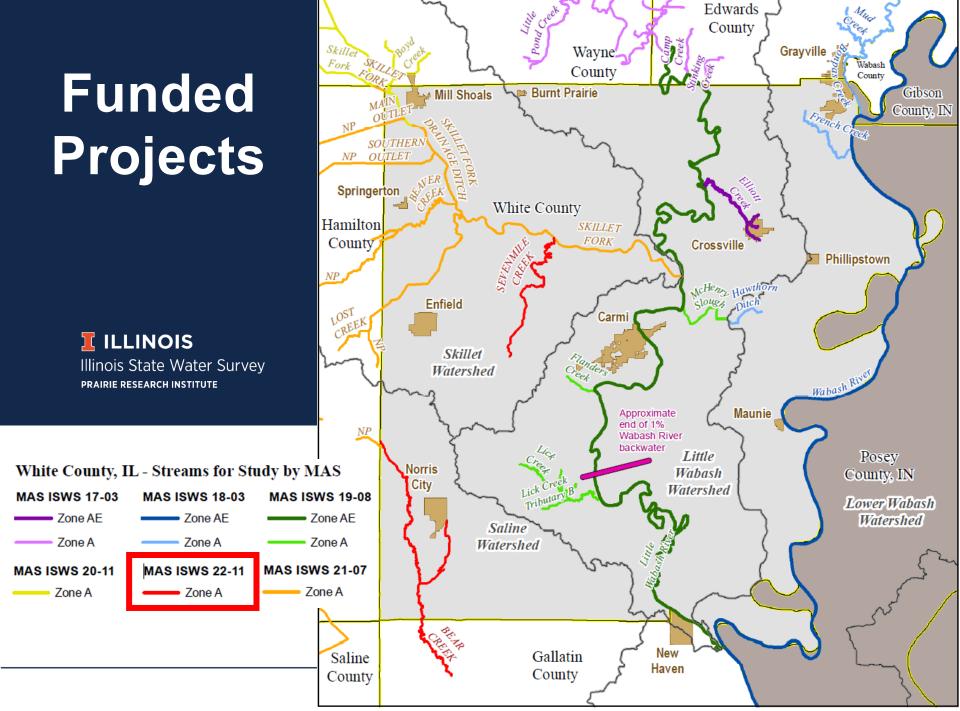


https://www.illinoisfloodmaps.org/

Update Flood Risk Data and Maps

- White County FIRM, 02/16/2012
- White County Data, 04/03/1985

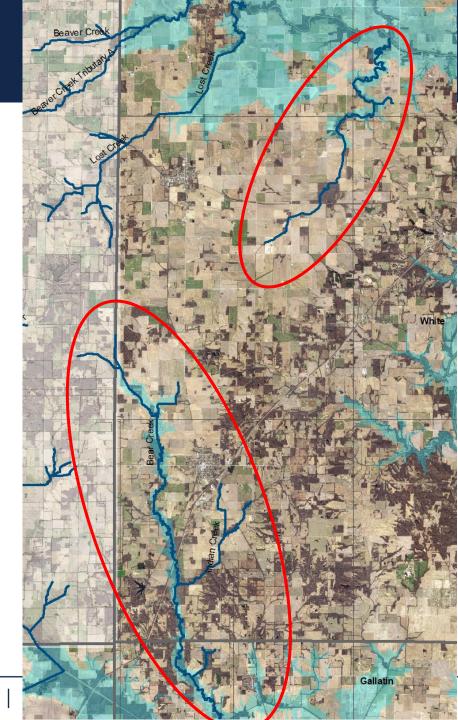




Stream Study Lines

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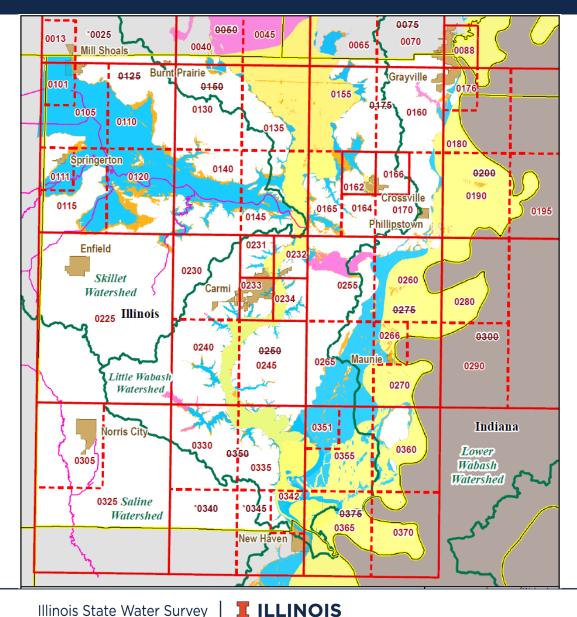
- Sevenmile Creek and Tributaries
- Bear Creek and Tributaries
- Indian Creek and Tributaries



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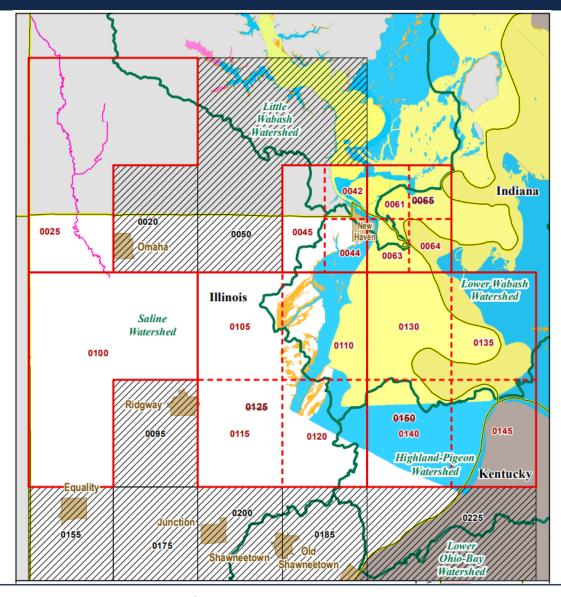
White County Proposed Panel Layout

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Gallatin County Proposed Panel Layout

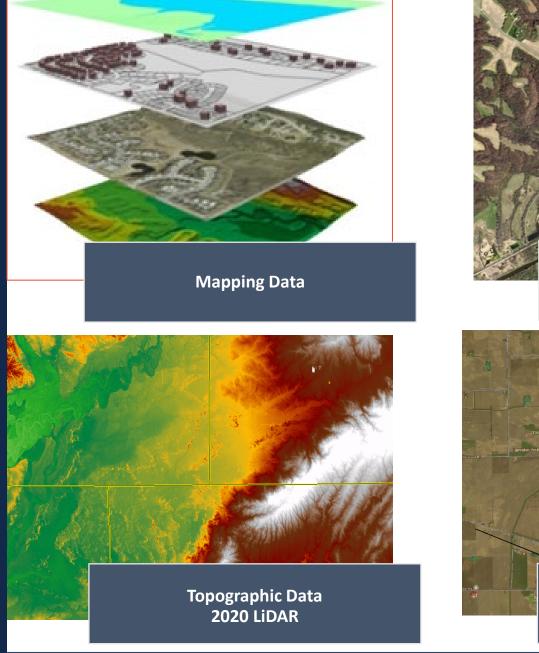
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Data Development Phase

Mapping Data





Orthophotos



Land Use/Soils Data

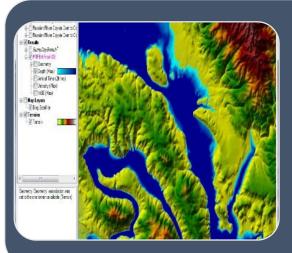
Proposed Engineering Methods



Hydrologic Studies

Determine 1-percent-annual-chance Flows using:

- Army Corps of Engineers HEC-RAS 2D Rain-On-Mesh
- Bulletin 75 (2020) Precipitation Data
- 10%, 4%, 2%, 1%, 0.2% and 1%+ annual chance flows
- USGS Regression Equations StreamStats



Hydraulic Studies

Determine flood frequency **Elevations** using Army Corps of Engineers HEC-RAS 6.4.1 software

- Sevenmile Creek 2D as part of Skillet Fork Watershed
- Bear Creek and Tributaries 1D

Communication Plan

Project Initiation Community Coordination Meeting (today)

Proposed Engineering Methods Notification Letter

30-Day Comment Period

Flood Risk Review Meeting

• 30-Day Comment Period

Data Submission Notification Letter

30-Day Comment Period

Please reach out to Mary Richardson at mjr@Illinois.edu

Proposed Engineering Methods Letter FEMA Standard ID 620

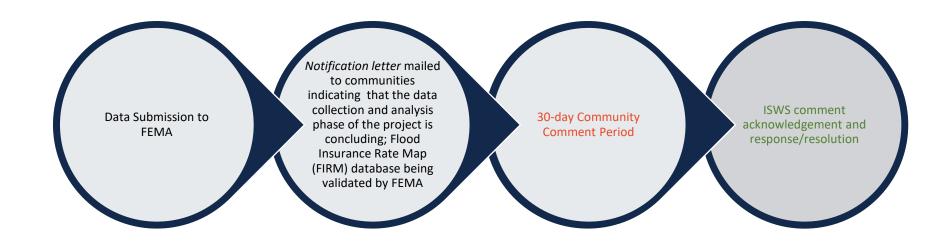


Flood Risk Review Meeting



Data Submission Notification

FEMA Standard ID 621



Project Schedule

Project Schedule

Project Initiation and Community Coordination Meeting

• Today

Engineering Methods 620 Letters to communities

• Letters will be issued following meeting

Complete all Hydrologic Studies

• Winter 2023

Complete all Hydraulic Studies

• Early 2024

Flood Risk Review Meeting

• Summer 2024

Digital Flood Insurance Rate Map Project to follow pending conclusion of data development

• Future Phase (To Be Determined)

Community Participation

Community Participation

WATER

ON

PAVEMENT

Please provide us with the following data or information:

- Flood prone areas
- Flood photos/Drone video
- Historic highwater marks
- Local floodplain studies and survey data
- Any other data or information

Stay engaged in the process...

- Attend meetings
- Ask questions
- Inform others
- Update contact Information

Community Participation

In Summary

Local Partners are critical to the project	 Best understand their community needs Can provide critical information to enhance the studies with local knowledge
Our goal is to make managing and mitigating flood risk easier for our local partners	 Use the latest data to understand flood risk Utilize the tools and mapping available to assist communities in administering the NFIP locally
Please ask questions and share your concerns	 Communicating early and often ensures the flood risk products capitalize on local knowledge and best address local needs

Questions?

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www.illinoisfloodmaps.org