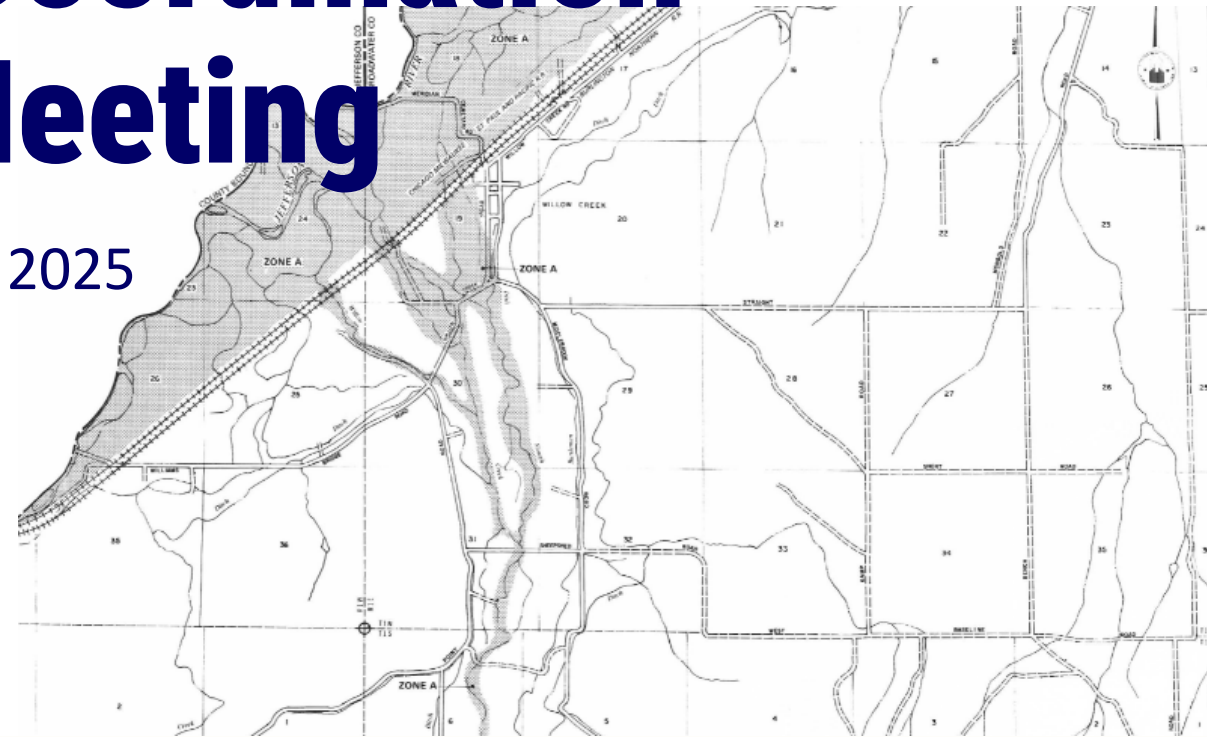




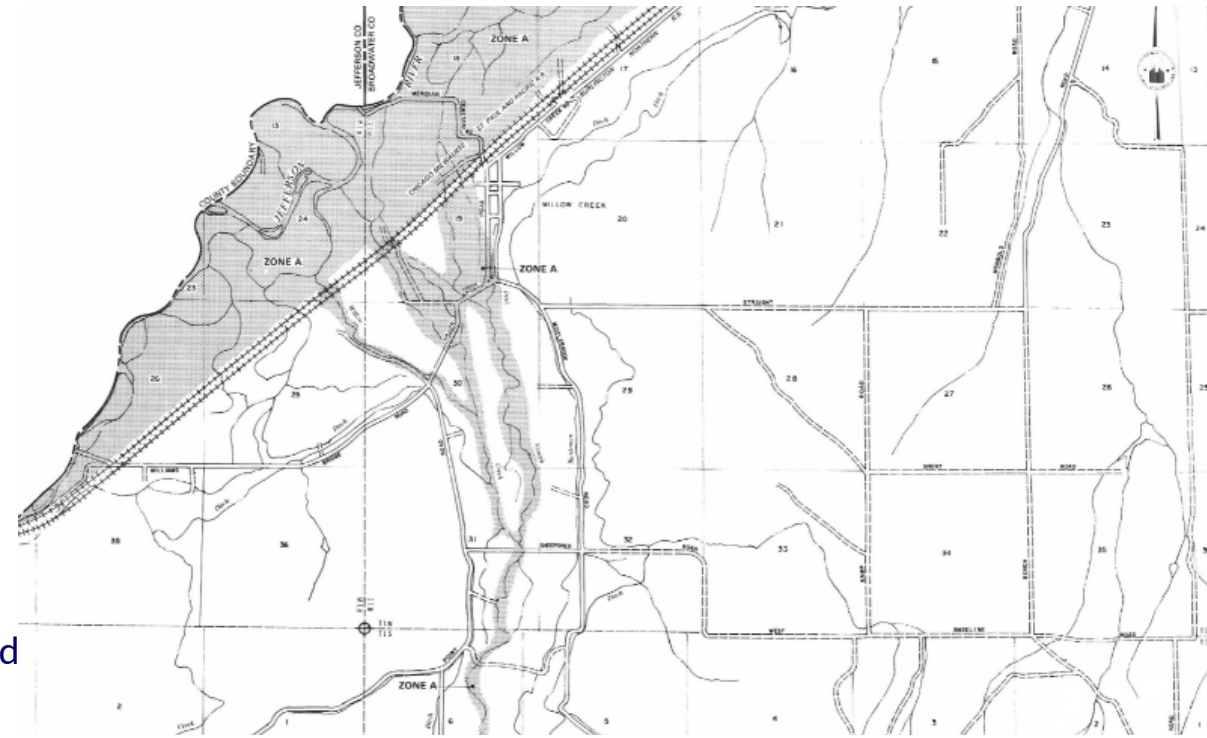
Gallatin County Consultation Coordination Officer Meeting

October 1, 2025



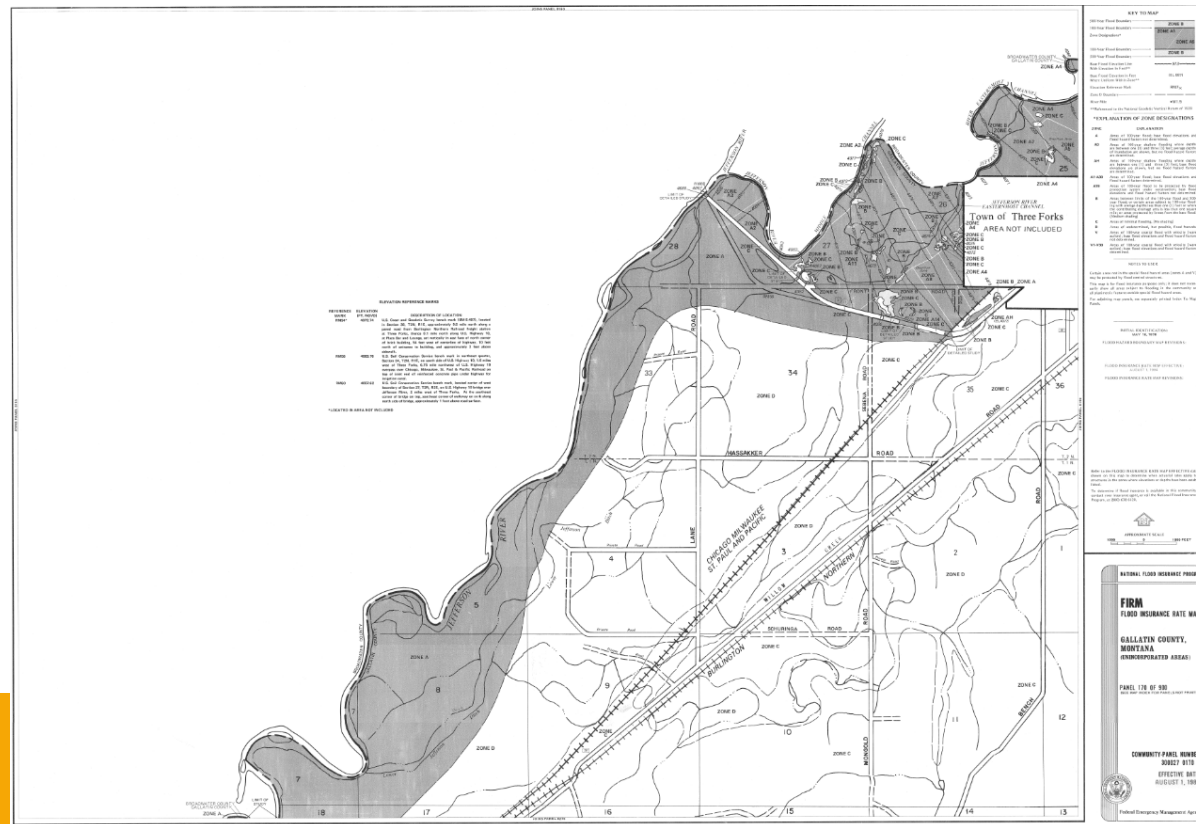
Agenda

- Welcome & Introductions
- Meeting Overview
 - Review of Preliminary Maps
 - Changes from draft maps to preliminary maps
 - Review of Summary of Map Actions list
 - Review of FIS
 - Comments made by county
 - Incorporation into study
 - Flood study data
 - Affected landowners
 - notification
 - Review timeline and processes
 - Appeal period
 - Inclusion into mitigation planning
- Discussion
- Next Steps
 - Prepare for appeal period
 - Notification to affected landowners
 - DNRC provides templates to use for appeal period

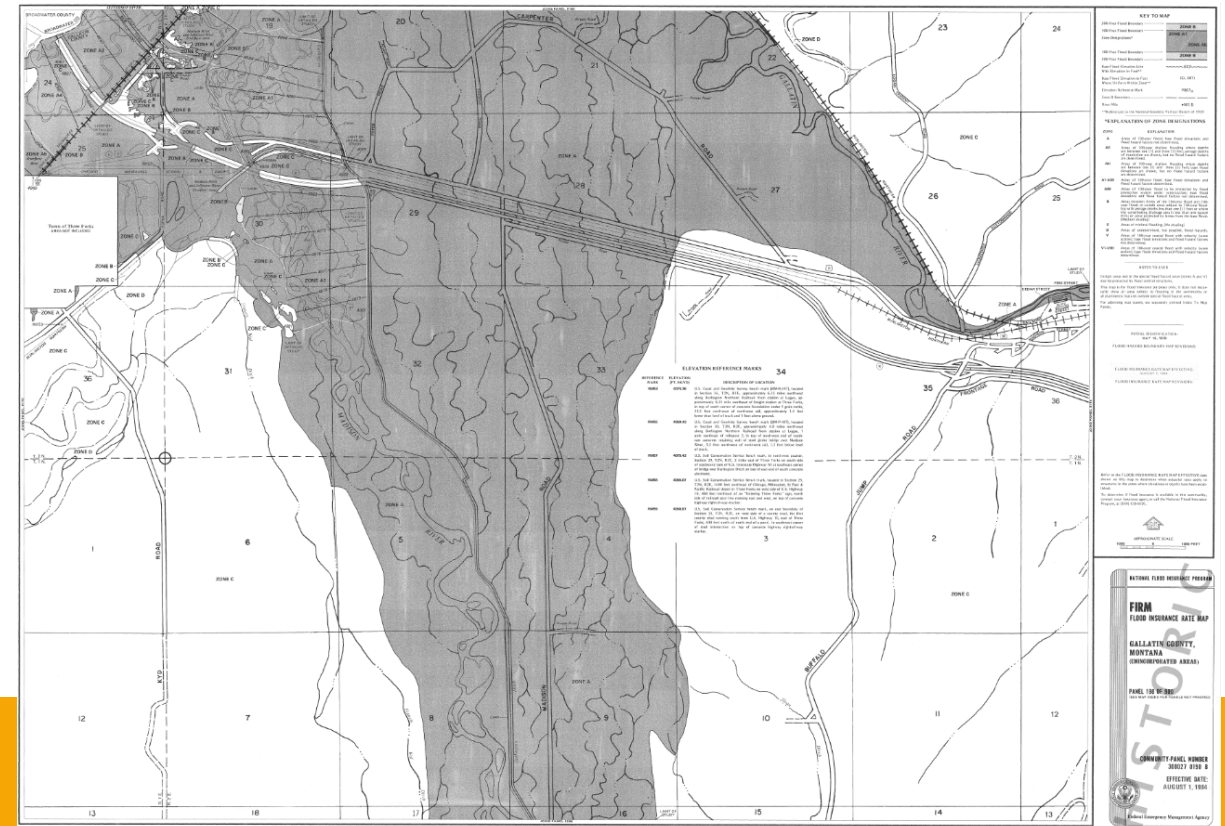


Effective Jefferson and Madison River Maps

Jefferson River
Study conducted in 1984
Digitized no new study conducted



Madison River
Study conducted in 1984
Digitized no new study conducted



Flood Study



GALLATIN COUNTY

311 West Main, Rm. 306 • Bozeman, MT 59715
commission@gallatin.mt.gov

County Commission

Joe P. Skinner
Steve White
Donald F. Seifert

Phone (406) 582-3000
FAX (406) 582-3003

May, 23, 2018

Mr. Stephen Story
Water Operations Bureau Chief
MT DNRC
PO Box 201601
1924 9th Avenue
Helena MT 59620-1601

RE: Support for Grant Funding to complete Phase II of Jefferson and Madison River Floodplain Mapping projects

Dear Mr. Story,

Gallatin County supports DNRC's grant request to FEMA to complete Phase II of the Jefferson and Madison River floodplain mapping projects. We understand that Phase II would involve the necessary survey work, hydraulic engineering analyses, and production of updated floodplain maps.

In Gallatin County, the Jefferson River has a mix of approximate floodplain mapping, detailed floodplain mapping, and unmapped (undetermined flood risk - Zone D) areas. Jefferson County and Broadwater County have approximate mapping on the north side of the Jefferson River, directly across from our unmapped Zone D areas, creating inconsistency for landowners and floodplain administration. An updated flood study along the entire length of the Jefferson River would provide updated and consistent floodplain mapping for all counties and communities along the river.

The Madison River in Gallatin County is partially mapped as approximate, with a small section of detailed mapping near Three Forks. An updated flood study along the Madison River would provide landowners and our county with data to determine BFEs and floodplain boundaries for septic systems and building construction.

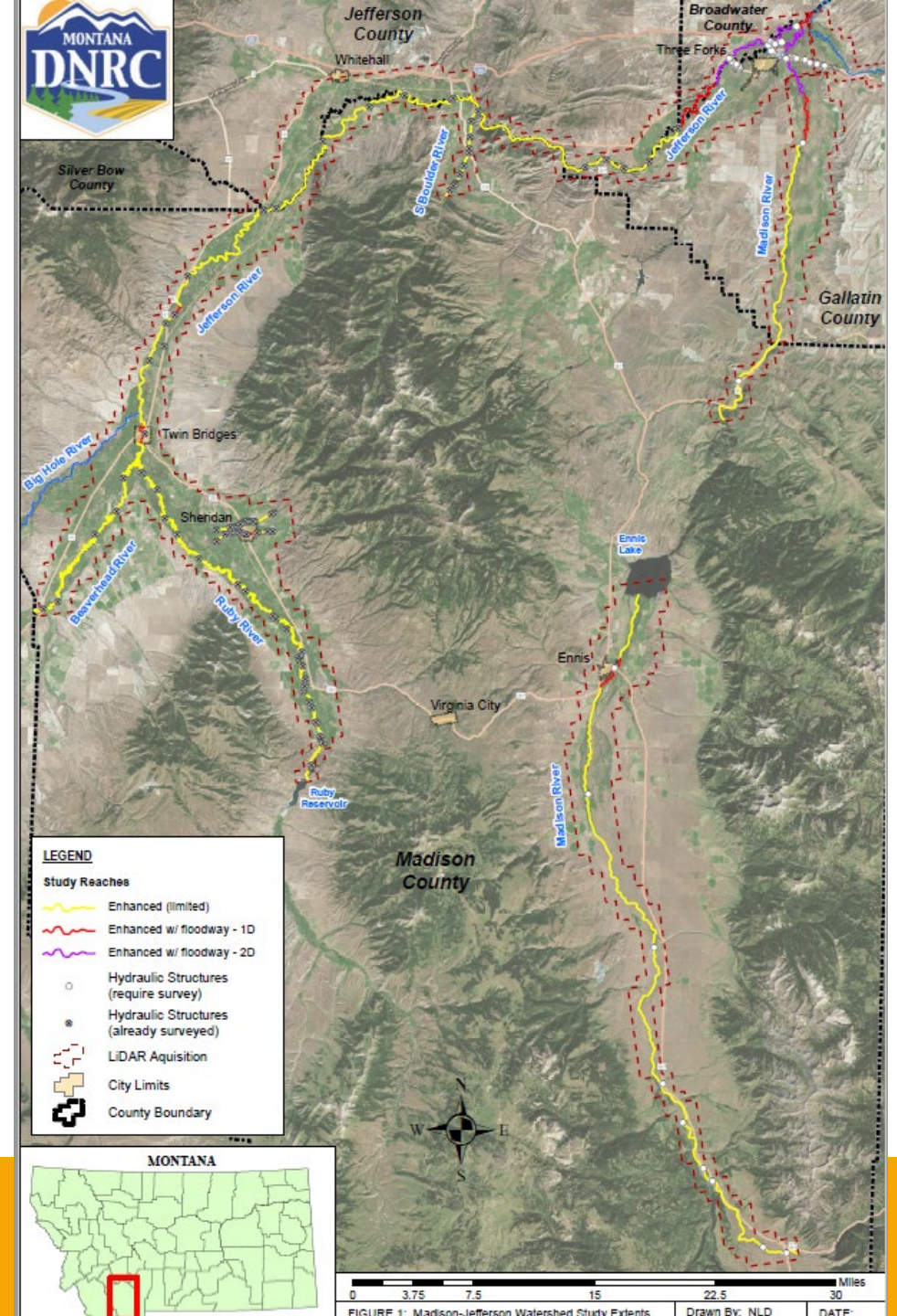
Updated information on the Jefferson and Madison Rivers will help us to better administer our floodplain program and provide cost saving measures for landowners.

We are committed to managing flood risks and participating in the National Flood Insurance Program. Better data upon which to base decisions would allow us to better manage flood risks on the Jefferson and Madison Rivers.

We can commit \$5,000 dollars towards this mapping project as a local match. Thank you for considering this grant application, it would provide valuable assistance to our county.

Sincerely,


R. Stephen White, Chairman
Gallatin County Commission



Identifying Risk through Mapping

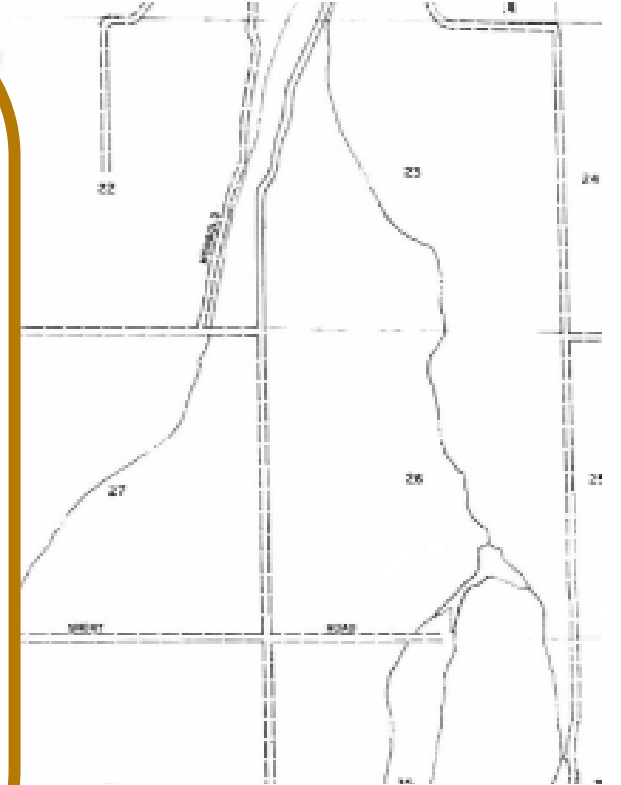
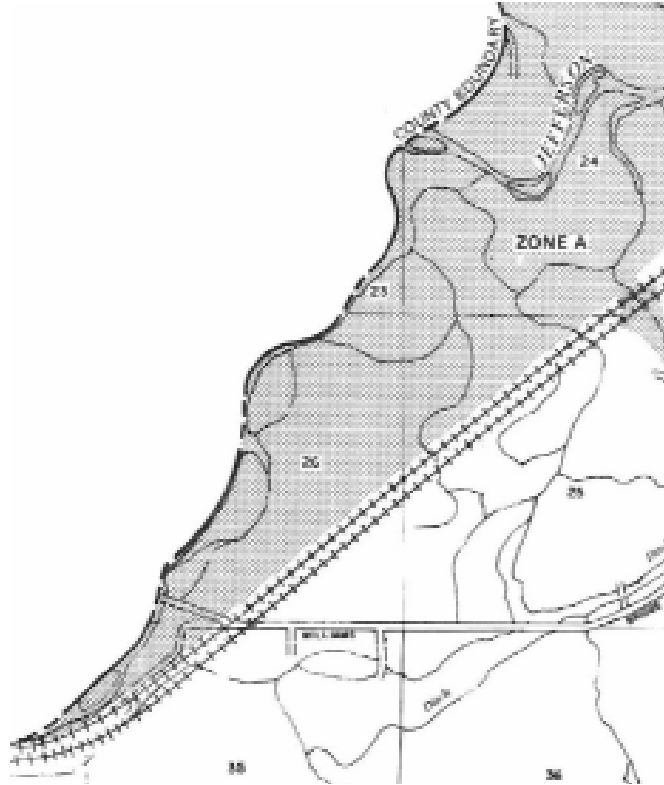
Floodplain Maps Flood Insurance Rate Maps (FIRMs)

Used for various purposes

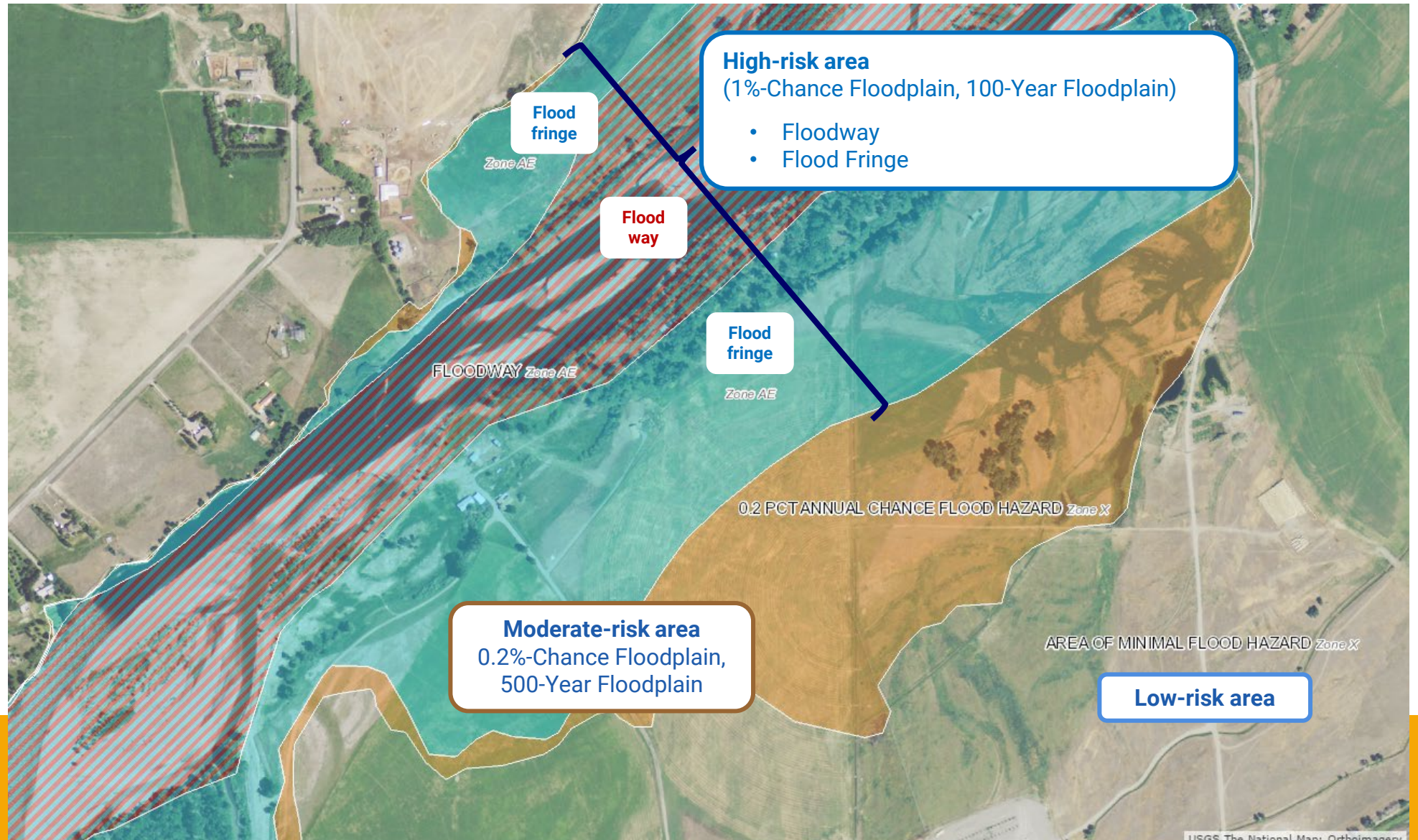
- Local floodplain regulations
- Mortgage companies
- Flood insurance premiums
- Local emergency planning

Need periodic updating

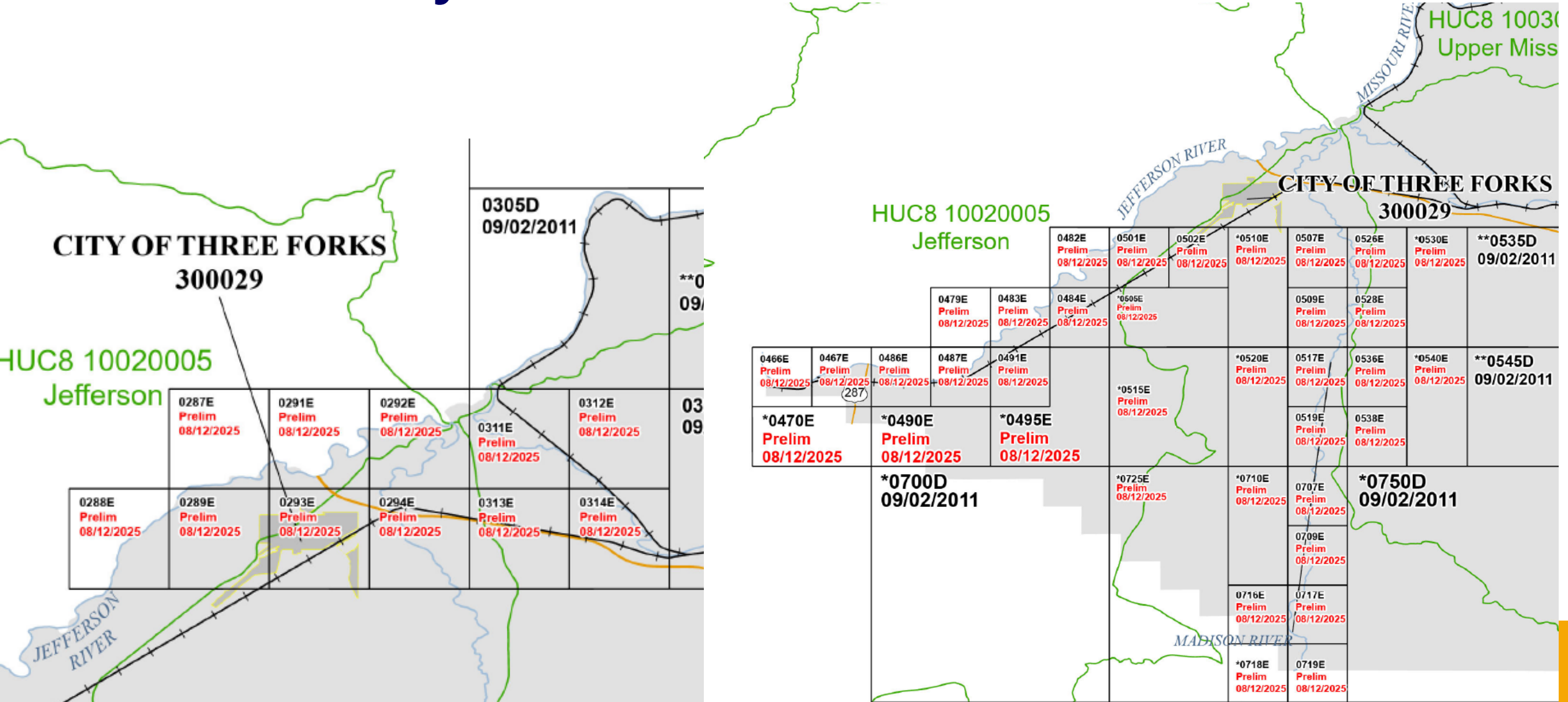
- New data available
- Change in the area



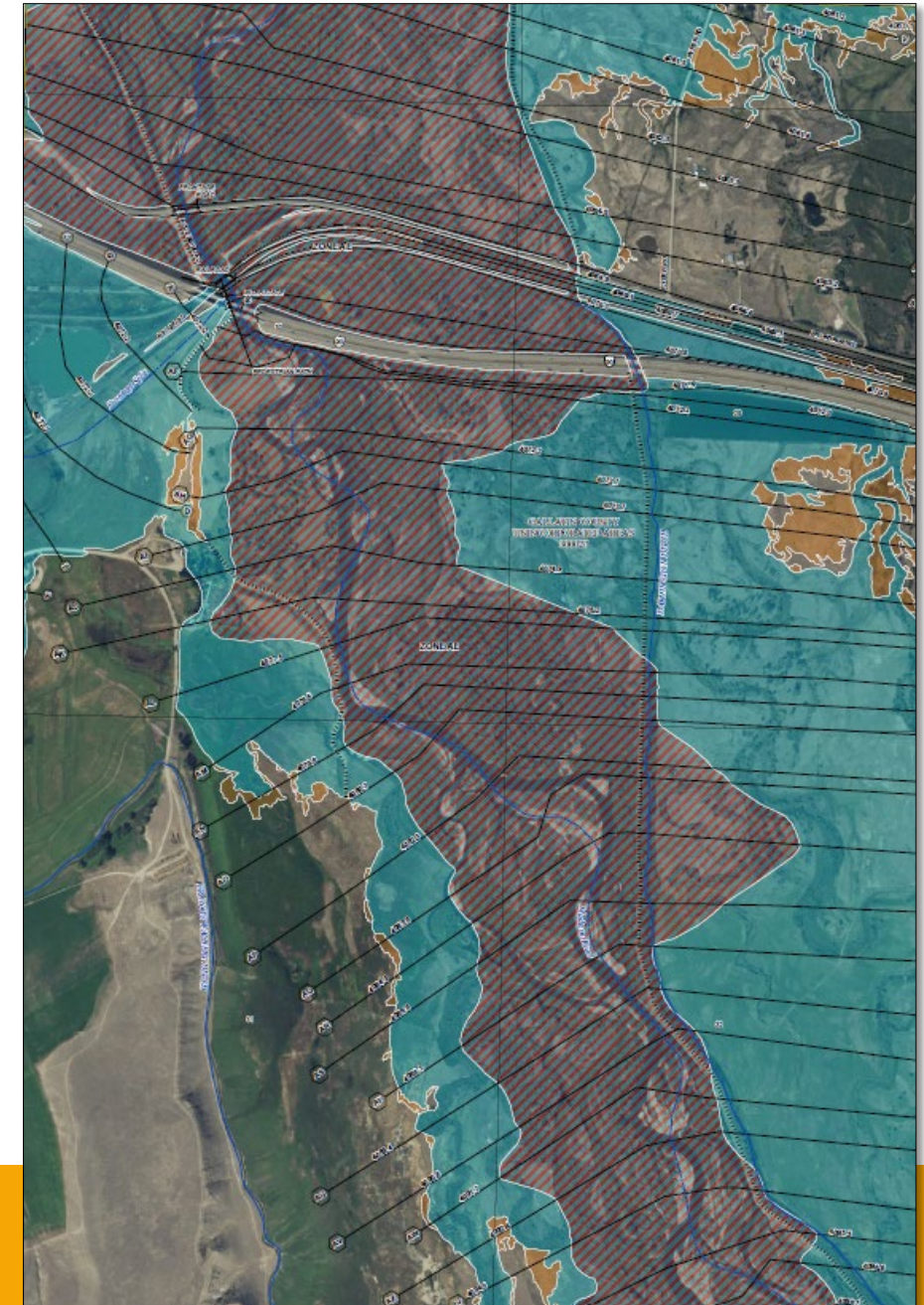
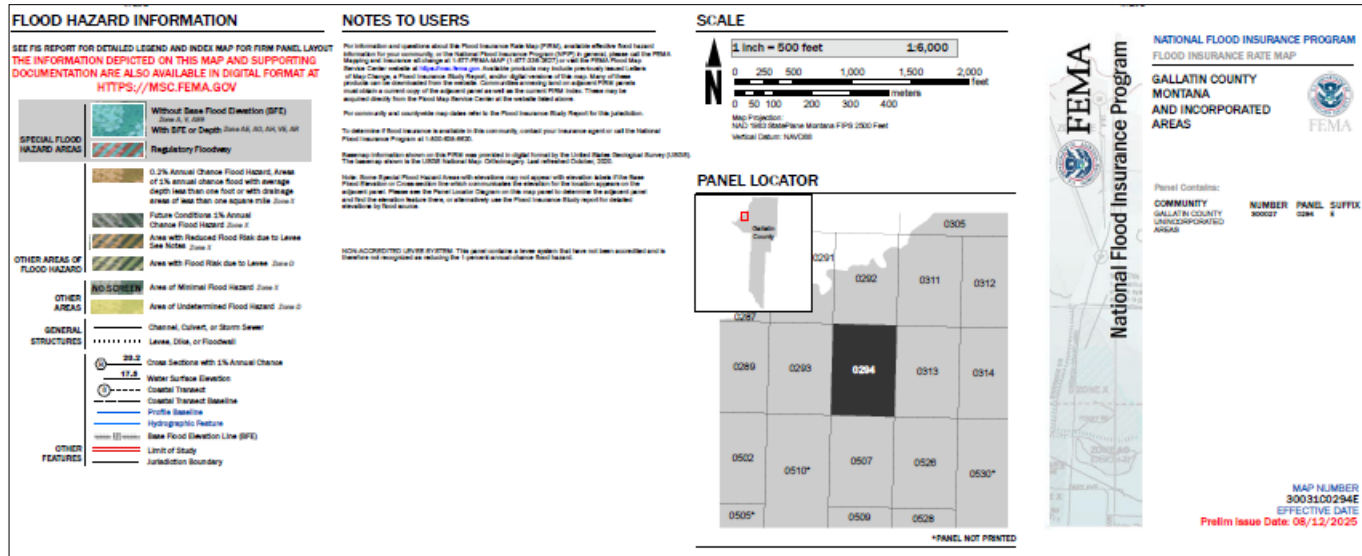
Flood Zones



Preliminary FIRMs and FIS



Preliminary FIRMs and FIS



Preliminary Flood Insurance Rate Maps and Flood Insurance Study:

Represent study results:

- 100-year Floodplain (1% annual chance)
- Floodway (within 100-year floodplain)
- 500-year Floodplain (0.2% annual chance)
- Flood Elevations (Base Flood Elevations)

Basis for 90 Appeal & Comment Period

Preliminary FIRMs and FIS



PRELIMINARY SUMMARY OF MAP ACTIONS

SOMA-1

Community: GALLATIN COUNTY

Community No: 300027

To assist your community in maintaining the Flood Insurance Rate Map (FIRM), we have summarized below the effect of the enclosed revised FIRM panel(s) on previously issued Letter of Map Change (LOMC) actions (i.e., Letters of Map Revision (LOMRs), Letter of Map Revision based on Fill (LOMR-Fs), and Letters of Map Amendment (LOMAs)).

1. LOMCs Incorporated

The modifications effected by the LOMCs listed below have been reflected on the Preliminary copies of the revised FIRM panels. In addition, these LOMCs will remain in effect until the revised FIRM becomes effective.

LOMC	Case No.	Date Issued	Project Identifier	Original Panel	Current Panel
LOMR	23-08-0301P	9/18/2023	WEST GALLATIN RIVER PROFILE CORRECTION	*	*

*LOMR 23-08-0301P included no revision to the FIRM. Only Profiles and Floodway Data Table were revised and incorporated.

2. LOMCs Not Incorporated

The modifications effected by the LOMCs listed below are either not located on revised FIRM panels, or have not been reflected on the Preliminary copies of the revised FIRM panels because of scale limitations or because the LOMC issued had determined that the lot(s) or structure(s) involved were outside the Special Flood Hazard Area, as shown on the FIRM. These LOMCs will be revalidated free of charge 1 day after the revised FIRM becomes effective through a single revalidation letter that reaffirms the validity of the previous LOMCs.

2A. LOMCs on Revised Panels

LOMC	Case No.	Date Issued	Project Identifier	Original Panel	Current Panel
LOMA	97-08-371A	10/02/1997	TRACT 2, (PROPOSED LOTS 2-4), PORTION OF SECTION 20, T2N, R2W, P.M.M.	3000270190B	30031C0311E 30031C0313E
LOMA	98-08-330A	06/29/1998	378 TRIDENT ROAD - A PORTION OF SECTIONS 20 & 29, T2N, R2W, P.M.M., TRACT 1	3000270190B	30031C0313E
LOMA	03-08-0075A	01/21/2003	69 FRONTAGE ROAD - COS 1633, TRACT A, PORTION OF SECTION 25, T2N, R1E, M.P.M.	3000270190B	30031C0293E
LOMR-F	06-08-B090A	02/01/2006	TRACT A-1, COS TRACT A-1 -- 3455 PYFER ROAD	3000270190B	30031C0294E
LOMA	06-08-B697A	10/10/2006	TRACT 2 COS 1378 -- SECTION 29, T2N, R2E	3000270190B	30031C0294E 30031C0313E
LOMA	20-08-0568A	06/29/2020	CERTIFICATE OF SURVEY 2816A LOT 1A -- 2375 FRONTAGE ROAD	30031C0315D	30031C0313E

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 1 OF 5



GALLATIN COUNTY, MONTANA

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
BELGRADE, CITY OF	300105
BOZEMAN, CITY OF	300028
GALLATIN COUNTY, UNINCORPORATED AREAS	300027
MANHATTAN, TOWN OF*	300034
THREE FORKS, CITY OF	300029
WEST YELLOWSTONE, CITY OF*	300135

*No Special Flood Hazard Areas Identified

PRELIMINARY
8/12/2025

REVISED:

TBD

FLOOD INSURANCE STUDY NUMBER
30031CV001C
Version Number 2.8.5.8



FEMA

The logo for the Montana Department of Natural Resources and Conservation (DNRC) is a shield-shaped emblem. At the top, a yellow sun is partially obscured by a dark blue mountain range. Below the mountains, the word "MONTANA" is written in white, sans-serif capital letters. The letters "DNRC" are prominently displayed in large, white, serif capital letters across the center. The bottom half of the shield depicts a landscape with a winding blue river flowing from the mountains down to a yellowish-brown foreground. Green coniferous trees are clustered on the left side of the river. The entire logo is set against a solid orange background.

Comments submitted at prelim

- County submitted some comments to FEMA on study and maps.
 - Minor comments- will be included in the final effective
 - Major comments that could change the maps will be reviewed



Landowner list

- Pulled from MT Cadastral
- Overlaid the floodplain layers to generate list
- Around 420 parcels on the list
 - Some are newly mapped into the floodplain
 - Some were in the floodplain on the effective maps and are staying in the floodplain
 - Duplicate property owners on the list but for individual parcels



Timeline

Madison Jefferson Flood Study Project

RiskMAP
Increasing Resilience Together



The Montana Department of
**Natural Resources
& Conservation**

This is an estimated timeline for project completion

Completed in 2019	Completed in 2020	Completed in 2020	Preliminary Maps issued 8/12/2025	Mid to late 2027
Measurements are made of the topography around the river, along with any culverts, bridges, and road crossings. LiDAR uses an airplane to collect ground elevation over a large area, and ground survey supplements the airborne data. Flood flow data determines how much water there will be in a river during a flood event.	The elevation and survey data are combined with flood flow data to determine where the water will go and how far it will spread out. The area shown to be underwater and at high risk is mapped as the regulatory floodplain.	Draft data is delivered to the communities. Public open houses will be held to review the information. Public Open houses held January/ March 2021	FEMA Preliminary Maps are produced and ready for public review and comment period. 90-day official comment & appeal period early 2026.	FEMA Flood Insurance Rate Maps finalized.
Data gathering	Engineering and floodplain modeling	Draft Data available public review	Preliminary Data public comment and appeal period	Flood Insurance Rate Maps become effective
Steps of a flood study. 1) Survey & LiDAR 3) Hydraulics (engineering) 2) Hydrology 4) Mapping (delineation) (flood flow)		Public Review A public open house is held after draft data is available and before preliminary maps are released. During this time public comments are encouraged. There will be an official 90-day appeal period after the maps become preliminary. Resiliency and Mitigation efforts Once the flood study is completed the community can determine what mitigation efforts it would like to pursue to reduce flood risks.		Community Work Update local floodplain ordinances. Prepare initiatives to reduce flood risk.



90 Day Appeal & Comment Period

- 6-9 months from now
 - Must follow county public comment processes.
 - DNRC has templates that we will provide once we know the dates.
 - We post all appeal information on the project website.



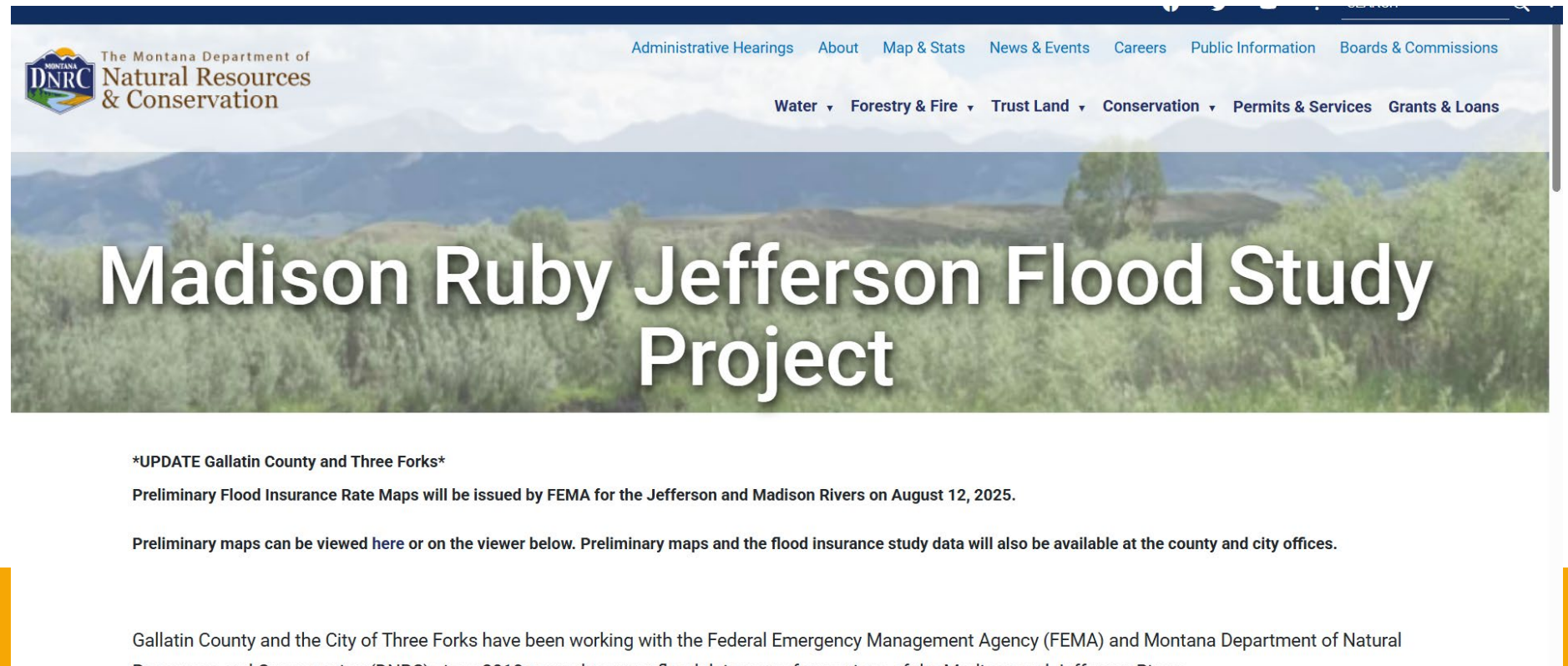
Mitigation Planning

- Next county plan update make sure to include:
 - Completion of the West Gallatin Bozeman Creek study
 - Include this study and future mapping projects.
 - Include the Three Forks Project
- Can use the new mapping to identify potential mitigation projects.



Project website

- <https://dnrc.mt.gov/Water-Resources/Floodplains/Floodplain-Mapping-Updates/Madison-Ruby-Jefferson-Watersheds-Flood-Maps-Update>



DNRC flood hazard viewer



MONTANA FLOOD RISK MAP VIEWER

Montana DNRC Floodplain Mapping Program

Montana DNRC Floodplain Mapping Projects



Draft Mapping

Effective Mapping

Floodplain Changes

Floodway Changes

Estimated Ground Elevation for Buildings

Flood Depth

Historic Flooding

Discussion

