

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	Late 2027 Early 2028
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 mid - late 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
- 2) Hydrology (flood flow)
- 3) Hydraulics (engineering)
- 4) Mapping (delineation)

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.