



FEMA



# Project Timeline Missoula-Granite Floodplain Maps Update

2020	Completed Summer 2022	Completed Fall 2022	Granite County April 26 <sup>th</sup> , 2023 Missoula County late 2024 (est)	Granite County 2025 (est.) Missoula County late 2026 (est.)
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 determine how much water there will be in a river during a flood event.	The elevation and survey data are combined with the flood flow data to determine where the water will go when it overflows the channel 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 conducted for landowners to review the information.	FEMA Preliminary Maps are produced and ready for public review and comment period. <b>Granite County prelim maps issued May 24, 2023</b> <b>Missoula County late 2024 (est)</b> A formal 90-day appeal & comment period is held. <b>Granite County appeal period mid 2024 (est.)</b>	FEMA Flood Insurance Rate Maps finalized.
<b>Data gathering</b>	<b>Engineering and floodplain modeling</b>	<b>Draft Data available public review</b>	<b>Preliminary Data public comment and appeal period</b>	<b>Flood Insurance Rate Maps become effective</b>

### Flood Study Conducted

4 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 during this time.

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 new maps become effective the community can determine what mitigation efforts it would like to pursue to reduce flood risks.