



## Update on Severe Weather Risk and Widespread Precipitation and Flooding Risk This Weekend

Confidence has increased with respect to widespread accumulating rain and high mountain snow this weekend into Monday across the region. The greatest concern for flooding at this point is near small streams/creeks, along with any areas more sensitive to precipitation, such as burn scars.

### KEY POINTS

- Isolated strong to severe thunderstorms Friday, mainly across Central and North-central Montana.
- A mix of thunderstorms and a more persistent type of rain Saturday transitions to be a widespread persistent rain Saturday night through Monday morning.
- Area wide river rises, with smaller creeks and streams and areas sensitive to higher precipitation rates most likely to see impacts.
- Raw back country conditions this weekend.

### WEATHER RISK OUTLOOK

Risk levels incorporate potential impacts from weather hazards and likelihood of occurrence for a reasonable worst-case scenario.

	Thu 5/28	Fri 5/29	Sat 5/30	Sun 5/31	Mon 6/1
<b>Severe Weather</b> Wind / Hail	Widely Scattered Thunderstorms	Isolated Severe Central and North-central MT	Scattered Thunderstorms		
<b>Strong Wind</b>				Plains	
<b>Flooding</b>	Burn Scars	Burn Scars	Greatest concern in flood prone areas and burn scars	Greatest concern in flood prone areas and burn scars	Greatest concern in flood prone areas and burn scars
<b>Mountain Snow</b>			Greatest impact to recreation above pass level overnight into Sunday	Greatest impact to recreation above pass level	Lingering into Monday morning
<b>Risk Levels</b>	Little to None	Minor	Moderate	Major	Extreme

### DETAILS

- **Severe Weather Risk**
  - Friday is the day with highest confidence for strong to severe thunderstorms, mainly across Central and North-central Montana
    - In addition to lightning and heavy downpours with any thunderstorm, strong wind gusts and large hail are the primary concern in the strongest thunderstorms.
    - The severe weather outlook for Friday is attached.
  - While thunderstorms will be around through the remainder of the afternoon today and Saturday afternoon across portions of the region, the risk for strong to severe thunderstorms is lower.
- **Heavy Rain and Flooding Concerns**
  - Widespread precipitation begins to overspread the region Saturday, persisting into early Monday.

- The probability for an inch or more worth of precipitation is largely above 70% for the entire region by Monday morning.
- Maps with the low-end, middle ground, and high-end scenarios for precipitation amounts are included.
- Risk for Flooding:
  - While main stem river rises are forecast, flooding on these rivers looks to be isolated/minor at this time, should it occur.
  - Smaller creeks and streams and sensitive areas such as burn scars will have a higher risk for flooding, particularly when locally heavier rainfall rates develop.
- Concerns in terrain:
  - Increased falling rock activity in areas with steep terrain.
- **Wind**
  - Gusty northwest winds develop over the plains on Saturday, but look gustiest on Sunday.
  - While the plains of North-central Montana are no stranger to gusty winds, the direction of these strong winds is worth noting.
    - Impacts from the wind may develop at lower thresholds given the less common direction for stronger winds.
  - A map with the probability for a 50 mph gust on Sunday is included.
- **Mountain Snow**
  - Cooler air working in with the weekend system along with heavier precipitation rates will result in some mountain snow.
    - Greatest impact from this snowfall looks to be to recreation interests.
  - Trends will continue to be monitored for additional impacts closer to pass level.

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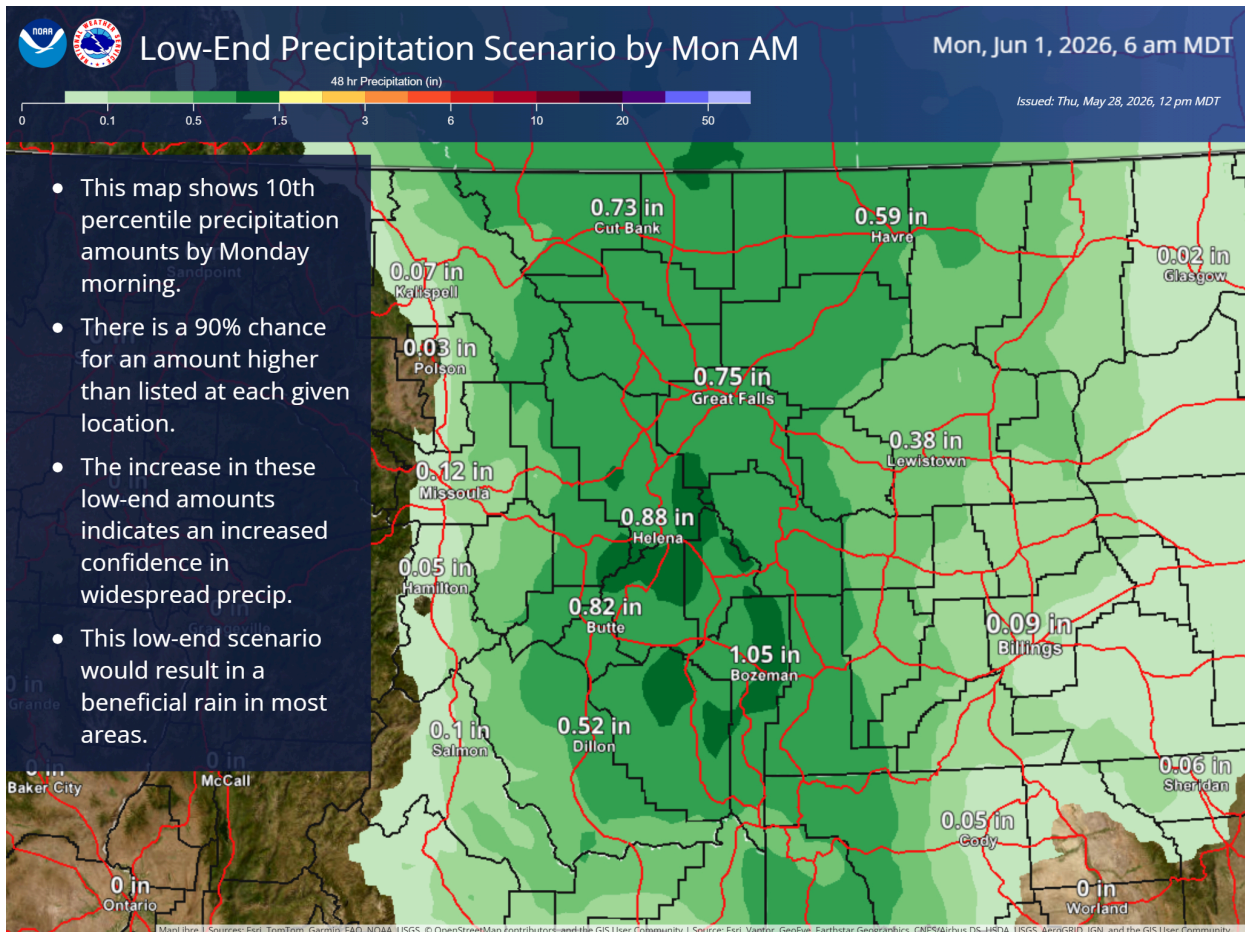
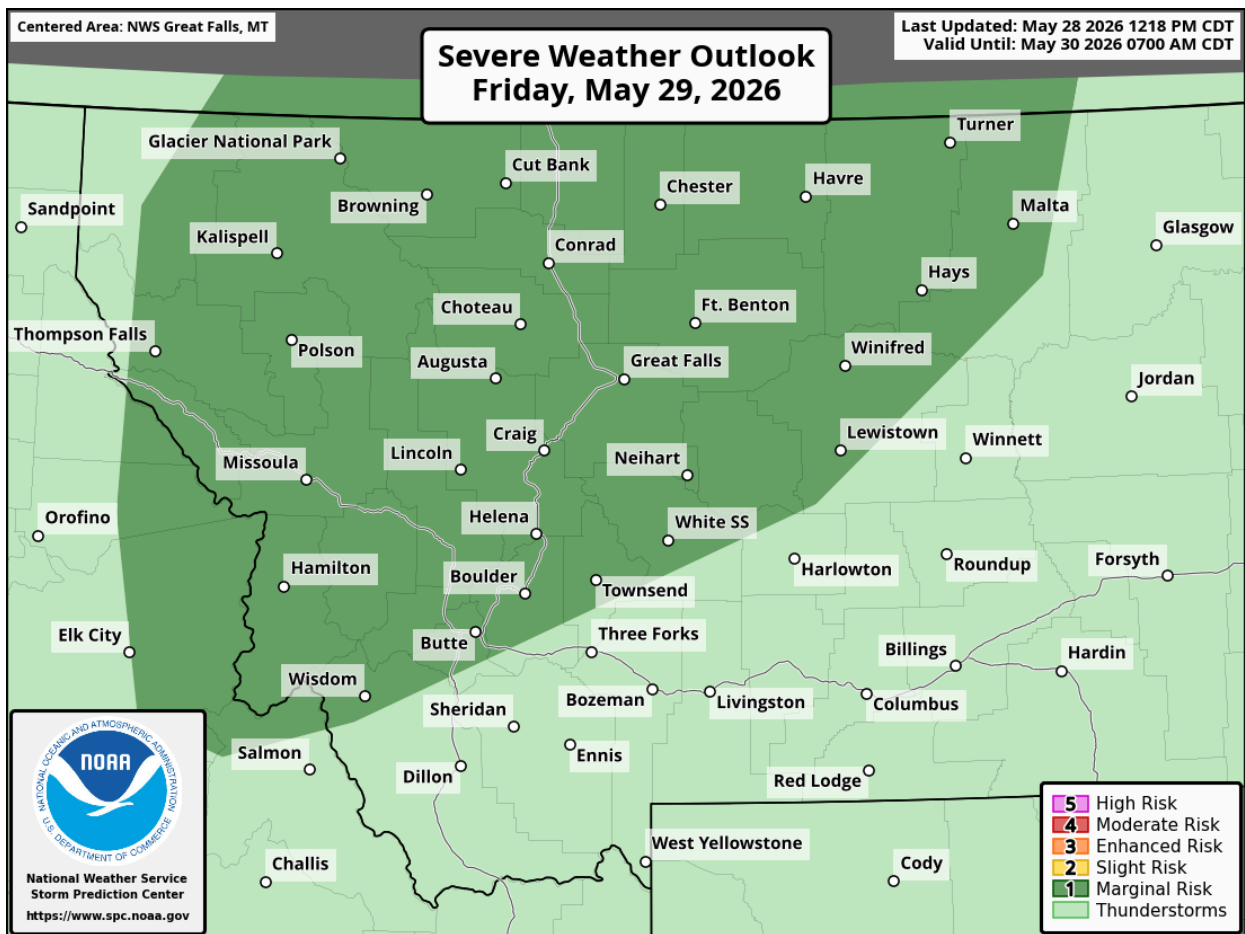
## FOR MORE INFORMATION

For the latest forecast updates, visit [weather.gov/greatfalls](https://weather.gov/greatfalls).

If you have questions or would like to submit weather reports, photos, or to unsubscribe from these briefings, email or call .

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## GRAPHICS





# Middle Ground Precipitation Scenario by Mon AM

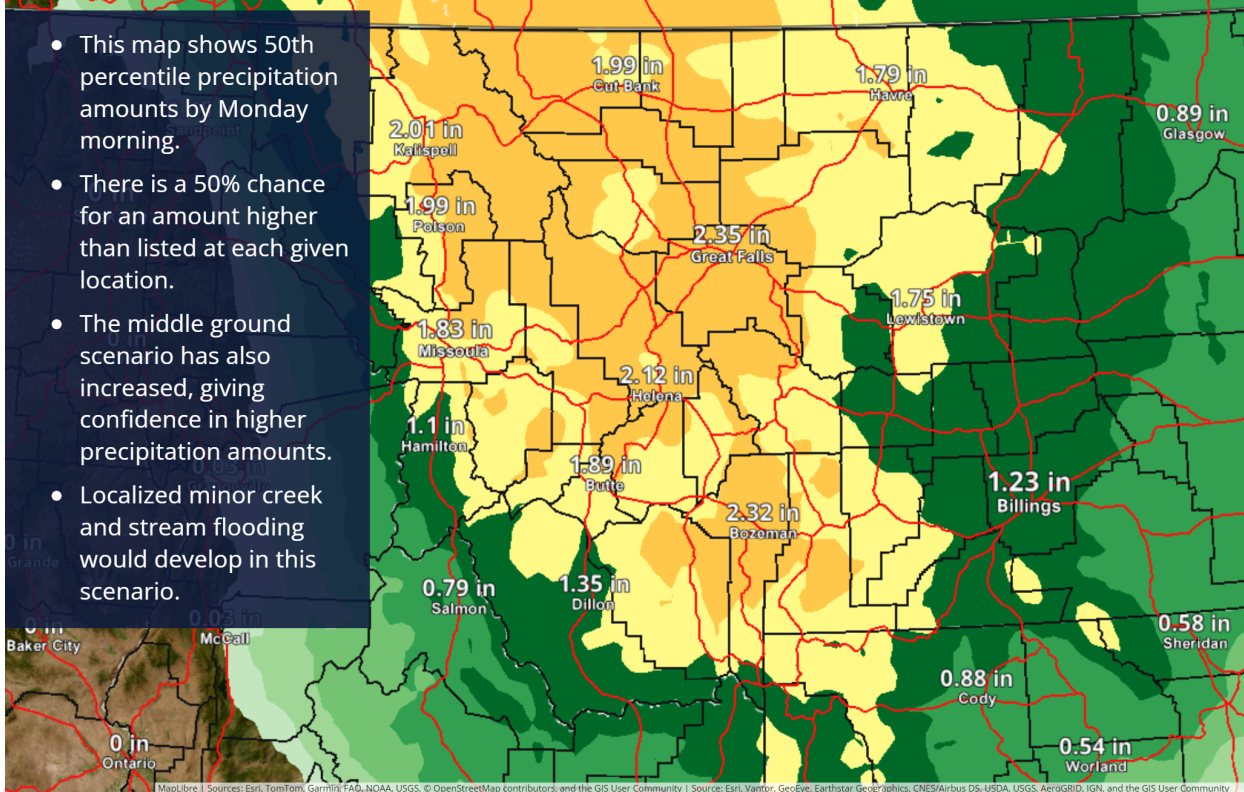
Mon, Jun 1, 2026, 6 am MDT

48 hr Precipitation (in)



Issued: Thu, May 28, 2026, 12 pm MDT

- This map shows 50th percentile precipitation amounts by Monday morning.
- There is a 50% chance for an amount higher than listed at each given location.
- The middle ground scenario has also increased, giving confidence in higher precipitation amounts.
- Localized minor creek and stream flooding would develop in this scenario.



### Middle Ground Precipitation Scenario Weekend



# High-End Precipitation Scenario by Mon AM

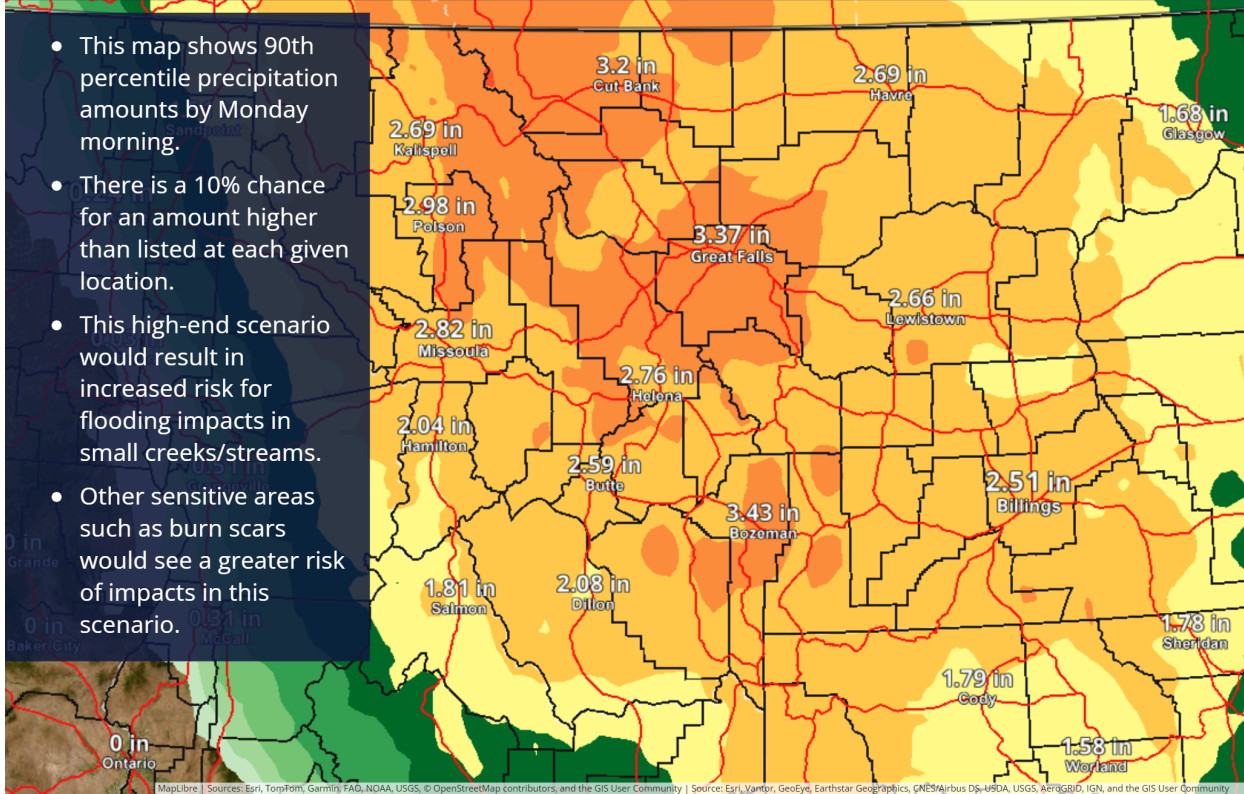
Mon, Jun 1, 2026, 6 am MDT

48 hr Precipitation (in)



Issued: Thu, May 28, 2026, 12 pm MDT

- This map shows 90th percentile precipitation amounts by Monday morning.
- There is a 10% chance for an amount higher than listed at each given location.
- This high-end scenario would result in increased risk for flooding impacts in small creeks/streams.
- Other sensitive areas such as burn scars would see a greater risk of impacts in this scenario.



### High-End Precipitation Scenario Weekend



# Probability for a 50 mph Gust Sunday

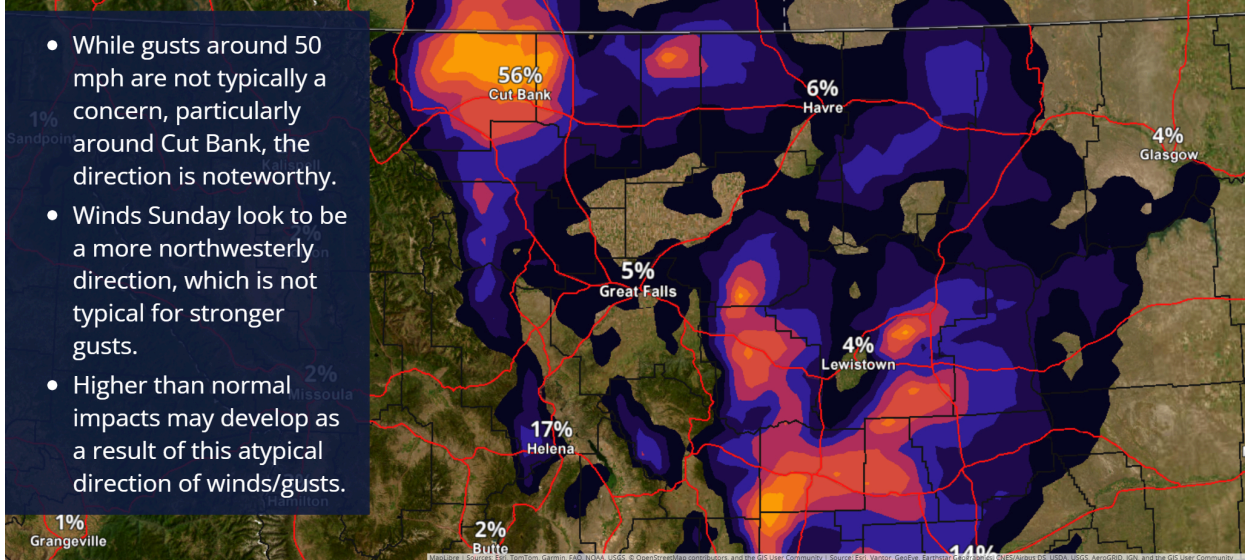
Mon, Jun 1, 2026, 12 am MDT

Percent (%)



Issued: Thu, May 28, 2026, 11 am MDT

- While gusts around 50 mph are not typically a concern, particularly around Cut Bank, the direction is noteworthy.
- Winds Sunday look to be a more northwesterly direction, which is not typical for stronger gusts.
- Higher than normal impacts may develop as a result of this atypical direction of winds/gusts.



Probability for 50 mph Gusts Sunday