

Key Messages

- Snowmelt process has begun across the basin
 - Snowpack needs to ripen before runoff can begin
- Anticipate river responses within the next 7 days, with at least the Buffalo River in Minnesota and southern Red River mainstem sites reaching flood stage by the end of the week
- Extensive overland flooding anticipated to commence by the end of the week or beginning of next week
- Variability in forecast temperatures and precipitation is resulting in greater than normal uncertainty with river forecasts



Basins Impacted:

- *Red River Mainstem:*
 - **Southern Mainstem:** Minor to moderate flooding commencing by the end of the week or start of the weekend. There is a fair amount of uncertainty with the crest forecasts due to potential for high variability in forecast temperatures. Locations such as Abercrombie and Fargo are expected to level off in a week, with a subsequent higher rise later this month. Major flooding is expected to commence at Fargo early next week in its initial crest.
 - **Central/Northern Mainstem:** Rises are expected with the future warm up period, but no flood thresholds are expected to be crossed in the next 7 days (hence no forecasts yet for these areas).
- *MN Tributaries:*
 - **Buffalo River:** Due to the potential for high variability in forecast temperatures, there is a fair amount of uncertainty with crest forecasts.
 - **Other MN Tributaries:** Rises are expected with the future warm up period, but no flood thresholds are expected to be crossed in the next 7 days (hence no forecasts yet for these areas).
- *ND Tributaries:* Rises are expected with the future warm up period, but no flood thresholds are expected to be crossed in the next 7 days (hence no forecasts yet for these areas).

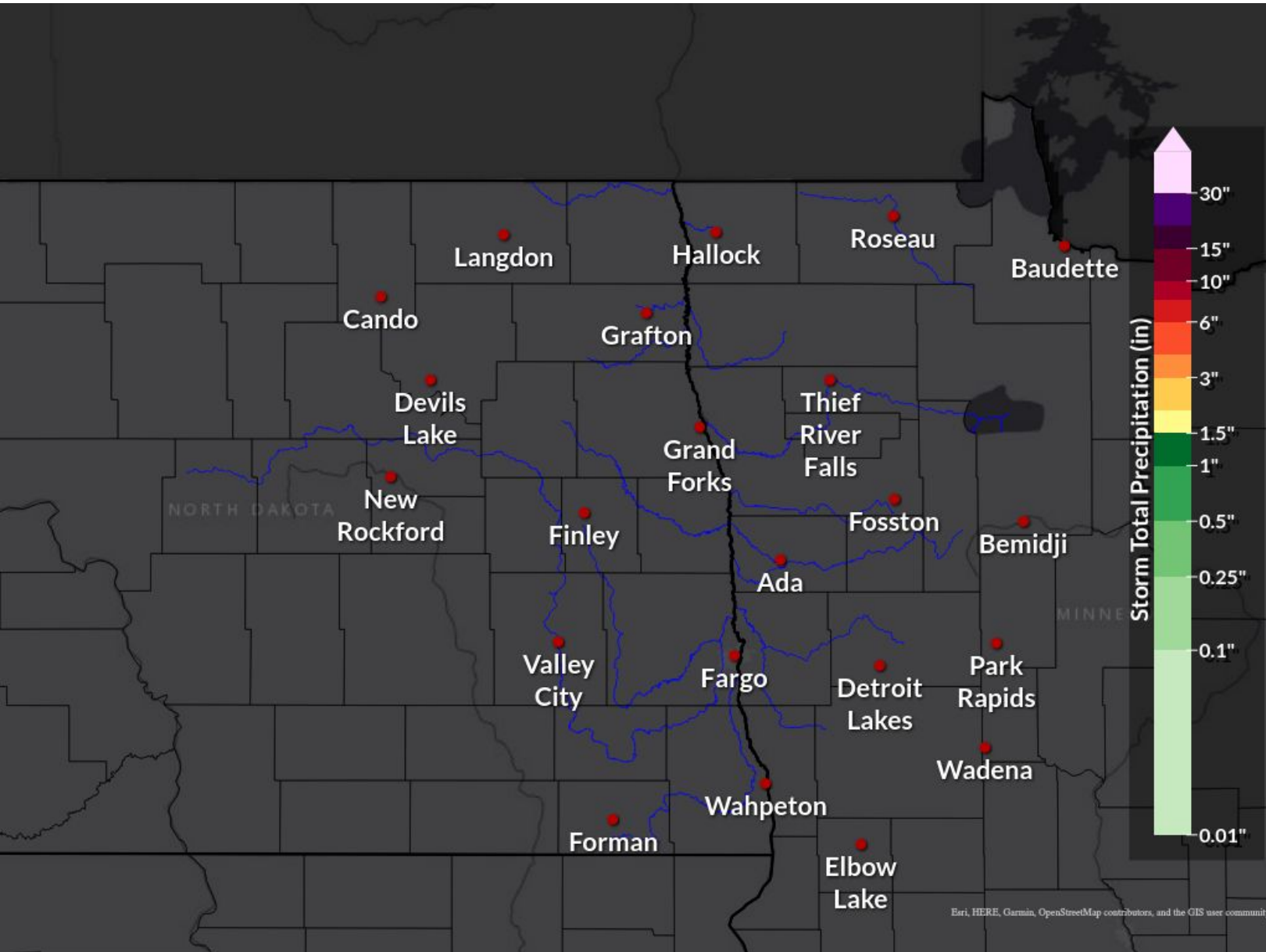


Upcoming Weather and Potential River Impacts:

- Relatively quiet period through mid week. Above freezing temperatures during the daytime and overnight periods allowing for a fairly rapid melting process.
- The next chance for rain or snow comes Thursday into the weekend. Several scenarios still exist, including rain or snow with varying amounts. Thunderstorms also remain a potential scenario, although coverage is uncertain.
 - Impacts are possible, but remain unknown at this time.



Observed precipitation over the past 24 hours (7 AM Mon April 10th through 7 AM Tue April 11th)

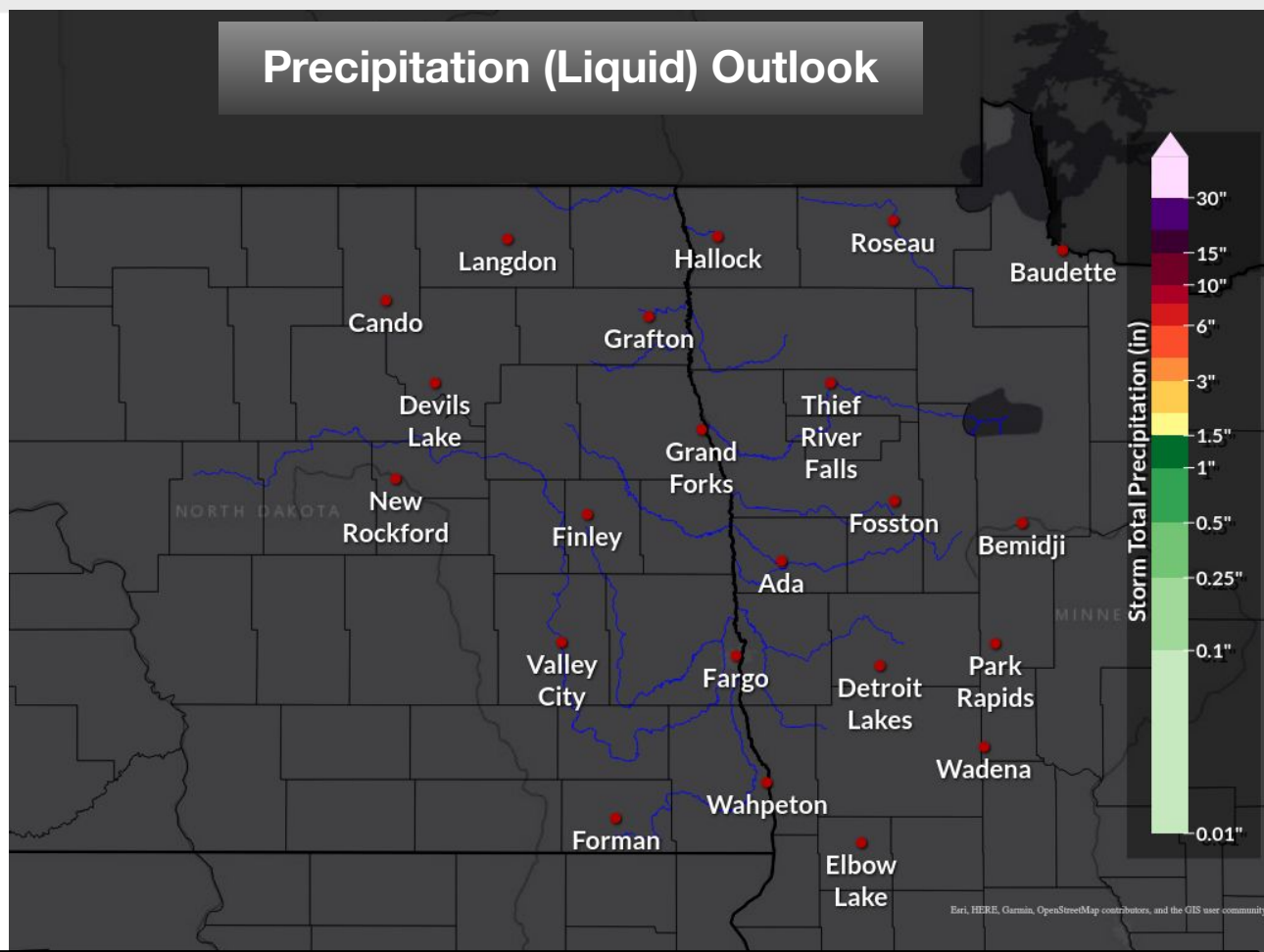




Forecast precipitation included in today's river forecasts

(7 AM April 11th to 7 AM April 12th)

Precipitation (Liquid) Outlook



Precipitation amounts beyond the river model forecast precipitation period are denoted by low, medium, or high chances of receiving the amounts indicated below.

Legend	Date	Type	0.01 - 0.25"	0.26 - 0.50"	0.51 - 1.00"	1.00" +
100% High	Wed, April 12	T-storms/Rain	Low	-	-	-
70% Medium	Thu, April 13	Rain	Medium	Low	Low	-
40% Low	Fri, April 14	T-storms/Rain	High	Medium	Low	-
10%	Sat, April 15	T-storms/Rain/Snow	Medium	Low	Low	-
	Sun, April 16	Rain/Snow	Medium	Low	-	-
	Mon, April 17	Rain/Snow	Low	-	-	-



7-Day Temperature Outlook

Day of the Week	Highs	Lows (Overnight)
Wednesday, April 12	Areas with snow: 45 - 55 Areas with limited snow or forested: 60 - 70	30 - 45
Thursday, April 13	Areas with snow: 35 - 45 Areas with limited snow or forested: 50 - 70	30 - 40
Friday, April 14	Areas with snow: 35 - 50 Areas with limited snow or forested: 55 - 70	30 - 45
Saturday, April 15	Areas with snow: 35 - 45 Areas with limited snow or forested: 40 - 45	25 - 35
Sunday, April 16	Areas with snow: 30 - 40 Areas with limited snow or forested: 40 - 45	20 - 30
Monday, April 17	Areas with snow: 35 - 40 Areas with limited snow or forested: 40 - 50	20 - 30
Tuesday, April 18	Areas with snow: 40 - 45 Areas with limited snow or forested: 45 - 50	20 - 30





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Fields starting to become exposed with some standing water near Barnesville, MN in the southeast Red River Valley.
April 10 2023 - courtesy of MNDOT

Quick facts you should know about flooding:

- Flooding can be caused by heavy rain, rapid snow melt, ice jamming, levee overtopping, dam failure, or from wastewater systems.
- It only takes six inches of fast-moving water to knock you off your feet
- A car can be moved in as little as two feet of water.
- 90% percent of all U.S. natural disasters declared by the President involve flooding.

[NWS Grand Forks Webpage](#)
[NWS Grand Forks River Observation/Forecast Page](#)

