

## 2021 Spring Flood Outlook #2

### Spring Flood Threat Checklist (as of outlook issuance date)

Threat	Impact to Potential Spring Flooding	Link to Image
High river levels	<b>To Be Determined</b> <i>(Most rivers partially frozen)</i>	<a href="#">USGS WaterWatch MN WI</a>
High soil moisture	<b>Neutral</b>	<a href="#">CPC Soil Moisture</a>
Winter Precipitation	<b>Lower Threat</b>	<a href="#">Climate Prediction Center 6 to 10 Day 8 - 14 Day</a>
Snowpack/ Liquid Equivalent	<b>Lower Threat</b>	<a href="#">Snow Analysis MN Snow Depth Ranking</a>
Rate of Snowmelt	<b>To Be Determined</b>	<a href="#">24, 48, &amp; 72 hr Snowmelt</a>
Frost Depth	<b>Lower Threat</b>	<a href="#">Frost Depth Map</a>
Spring Precipitation	<b>To Be Determined</b>	<a href="#">Precip Forecast (3-Month)</a>

#### Background Conditions:

- We went into winter with dry conditions, and precipitation through the winter has been near to below normal
- Less than typical water content in the current snowpack (“snow-water equivalent”)

#### Current Outlook:

- **Spring Flooding potential across the Northland is low**
- Precipitation and temperatures over the spring, including snow melt rate, may cause the risk to increase

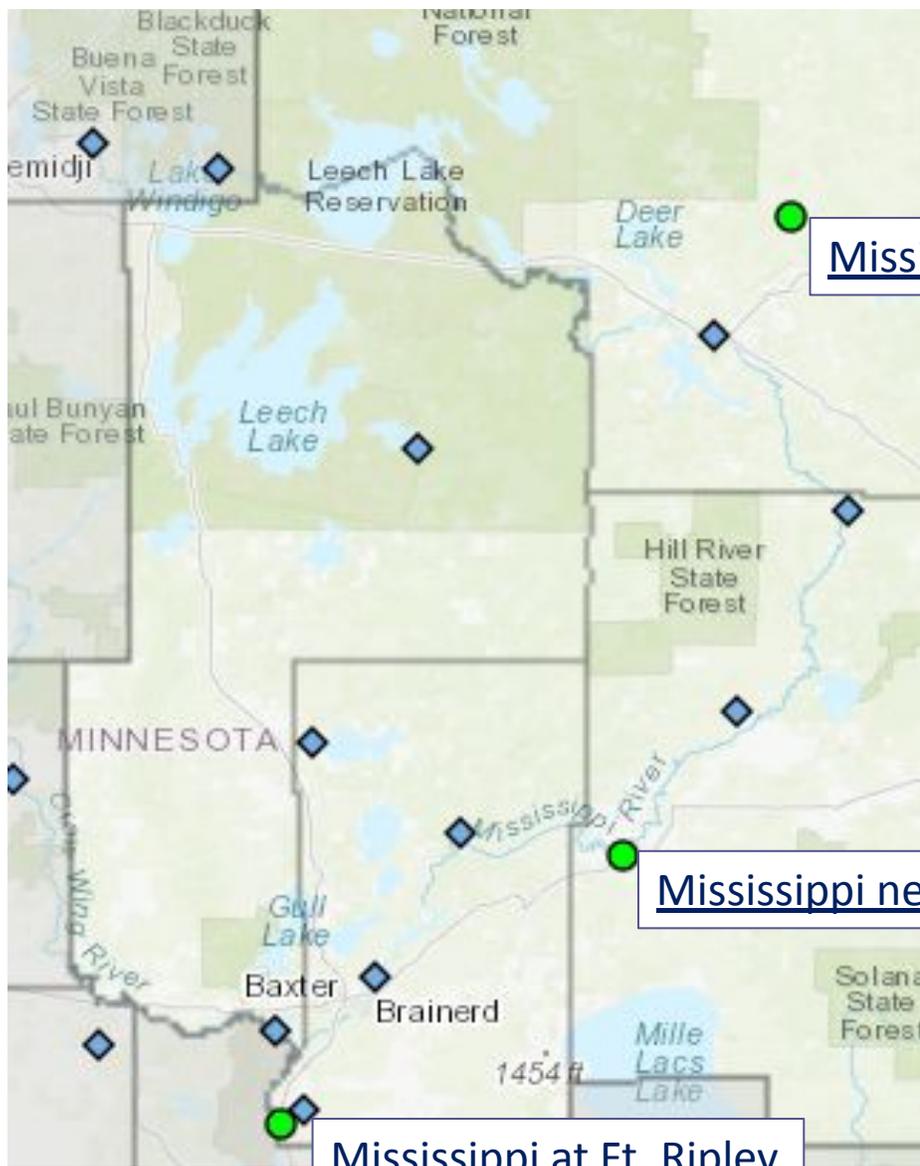
#### Important Forecast Changes

- All signs continue to point towards a low spring flood risk
- Next update to this briefing will be on March 11





# Mississippi River Headwaters Outlook



[Mississippi near Taconite](#)

[Click for more details on our AHPS Page](#)

[Mississippi near Aitkin](#)

[Mississippi at Ft. Ripley](#)

Click on river name for detailed forecast

Point	Flood Stage	Chance of Minor Flood	Chance of Moderate Flood
Mississippi nr Taconite	10 ft.	Less than 5%	Less than 5%
Mississippi nr. Aitkin	13 ft.	32%	13%
Mississippi at Ft. Ripley	10.5 ft.	26%	Less than 5%



# St Louis, St. Croix, and Snake River Outlooks



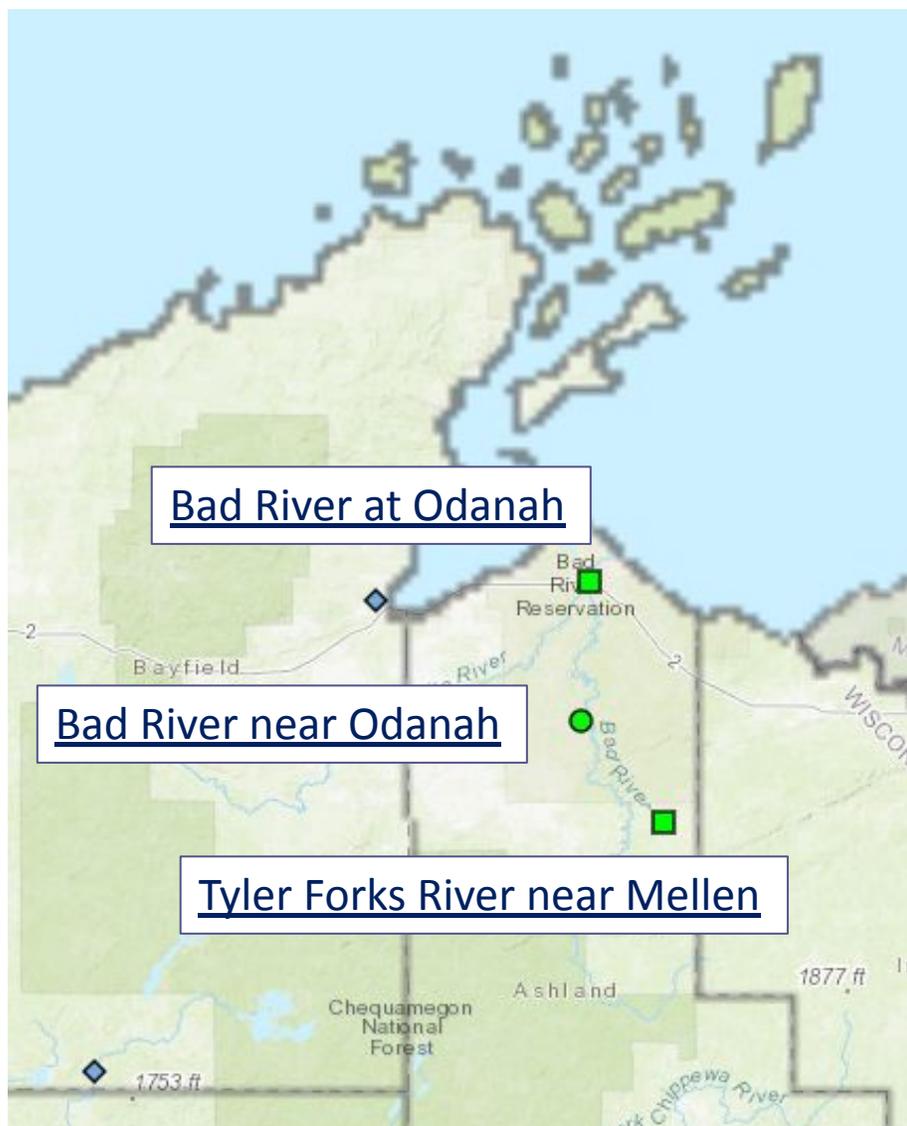
[Click for more details on our AHPS Page](#)

Click on river name for detailed forecast.

Point	Flood Stage	Chance of Minor Flood	Chance of Moderate Flood
St. Louis at Scanlon	10.5 ft.	Less than 5%	Less than 5%
St. Croix nr. Danbury	7 ft.	7%	Less than 5%
Snake at Pine City	9 ft.	Less than 5%	Less than 5%



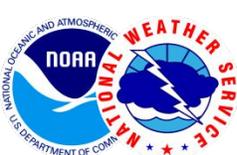
## Bad River Basin Outlook



[Click for more details on our AHPS Page](#)

Click on river name for detailed forecast.

Point	Flood Stage	Chance of Minor Flood	Chance of Moderate Flood
Bad River at Odannah	8.5 ft.	6%	Less than 5%
Bad River nr. Odannah	16.0 ft.	Less than 5%	Less than 5%
Tyler Forks River nr. Mellen	9.0 ft.	20%	< 10%



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# How to Prepare for Spring Flooding

- ✓ In the home, be prepared to deal with spring flooding by being sure you have a functioning sump pump and a back up.
- ✓ Have enough food and water in your home to last at least 3 days if flood waters cause road access to be cut off.
- ✓ Know your alternate routes if flooding causes roads to be closed.
- ✓ Consider buying flood insurance. Flood insurance can take up to 30 days to go into effect, and just 1 inch of flooding can cause more than \$25k in damage to your home. More information: <https://www.floodsmart.gov/>



## Flood Outlook Update Schedule:

Next update to this briefing on **March 11**.  
Additional updates may be issued if needed.



Building a Weather-Ready Nation