

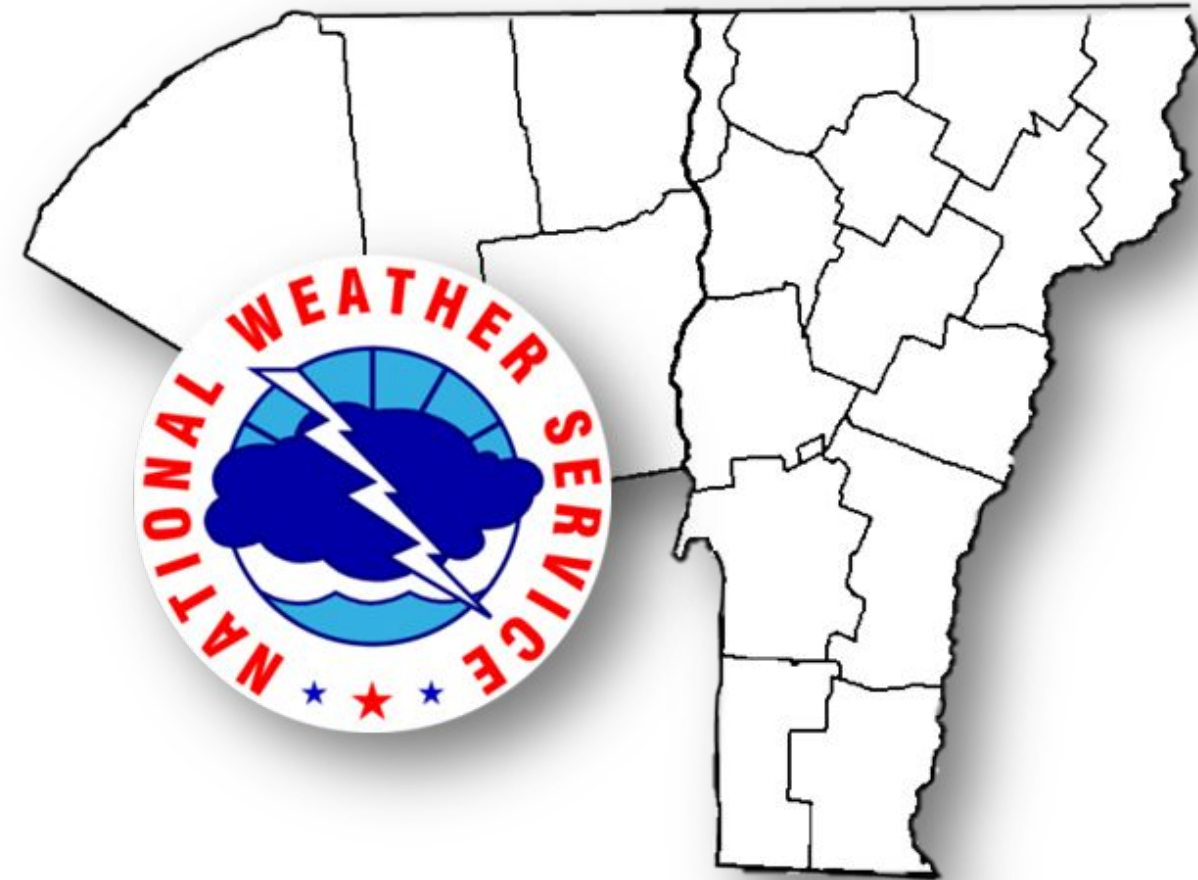


NWS Burlington: Winter/Spring Flood Outlook

February 6, 2025
1:24 PM

For northern New York and all of Vermont

Valid: February 6-20, 2025



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Burlington, VT



Overview

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OVERVIEW/TAKEAWAYS:

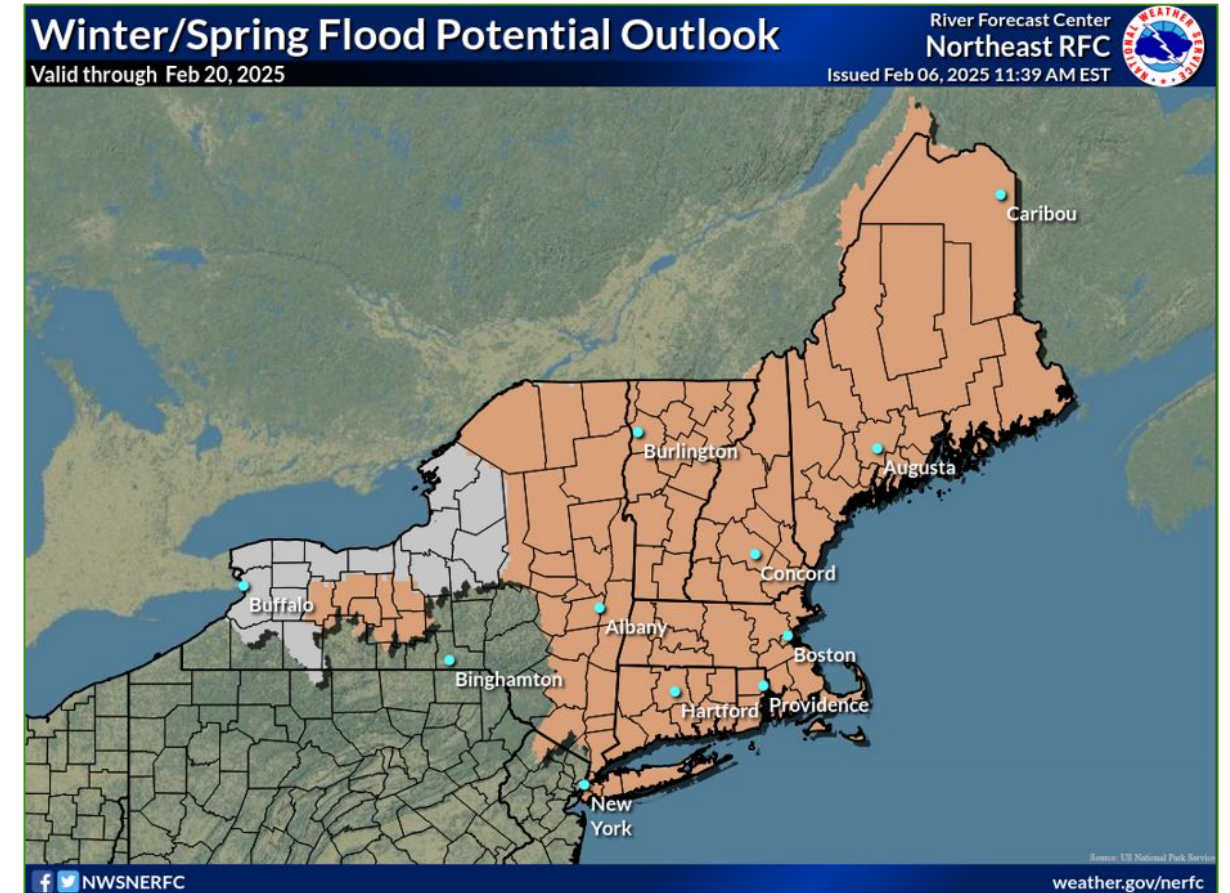
- **The open water flood potential is below normal for the entire area for the next two weeks.** While river flows and soil moisture show a mixture of above and below normal levels, persistent, seasonably cold temperatures are expected over the next two weeks with limited thawing and snowmelt.
- Snow cover and snow water content continue to slowly increase across the area, with many areas seeing near to above normal snow depths now. This is especially true across higher terrain.
- On average, below normal temperatures are expected over the next two weeks. Above normal precipitation is also expected, which should fall largely as snow or light mixed precipitation.
- River ice continues to thicken with most rivers now partially or fully ice covered. While the threat of ice breakup is minimal over the next two weeks, this will have to be monitored as we head later into the winter when the potential for thawing and break-up ice jams will exist.

HAZARDS & IMPACTS	<ul style="list-style-type: none"> ▪ Minimal flood impacts are expected through the period.
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OUTLOOK CHALLENGES	<ul style="list-style-type: none"> ▪ We will lie in an active, seasonably cold mid-winter weather pattern through the next two weeks. At this time, no highly impactful systems are anticipated, but frequent light to moderate events will likely occur.. Precipitation should fall mainly in the form of snow or light mixed precipitation with limited thawing.
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ADDITIONAL INFORMATION	<ul style="list-style-type: none"> ▪ Recent precipitation: Near to below normal ▪ Snow cover: Near to above normal ▪ Snow water equivalent: Variable ▪ River levels: Variable 	<ul style="list-style-type: none"> ▪ Soil moisture: Variable ▪ Groundwater: Variable ▪ Temperature outlook: Below normal for the outlook period as a whole ▪ Precipitation outlook: Above normal for the outlook period as a whole
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FLOOD POTENTIAL	REGIONS
Above	None
Normal	None
Below	All areas for open water & ice jam flooding
Next Briefing	February 20, 2025





Snowpack Data for February 5, 2025

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Snowpack continues to slowly build across the area

Snow Depths

Champlain, Lower CT, and St Lawrence Valleys: ~ 3 - 10"

Mid-terrain (1000-2500 ft): ~ 10 - 30"

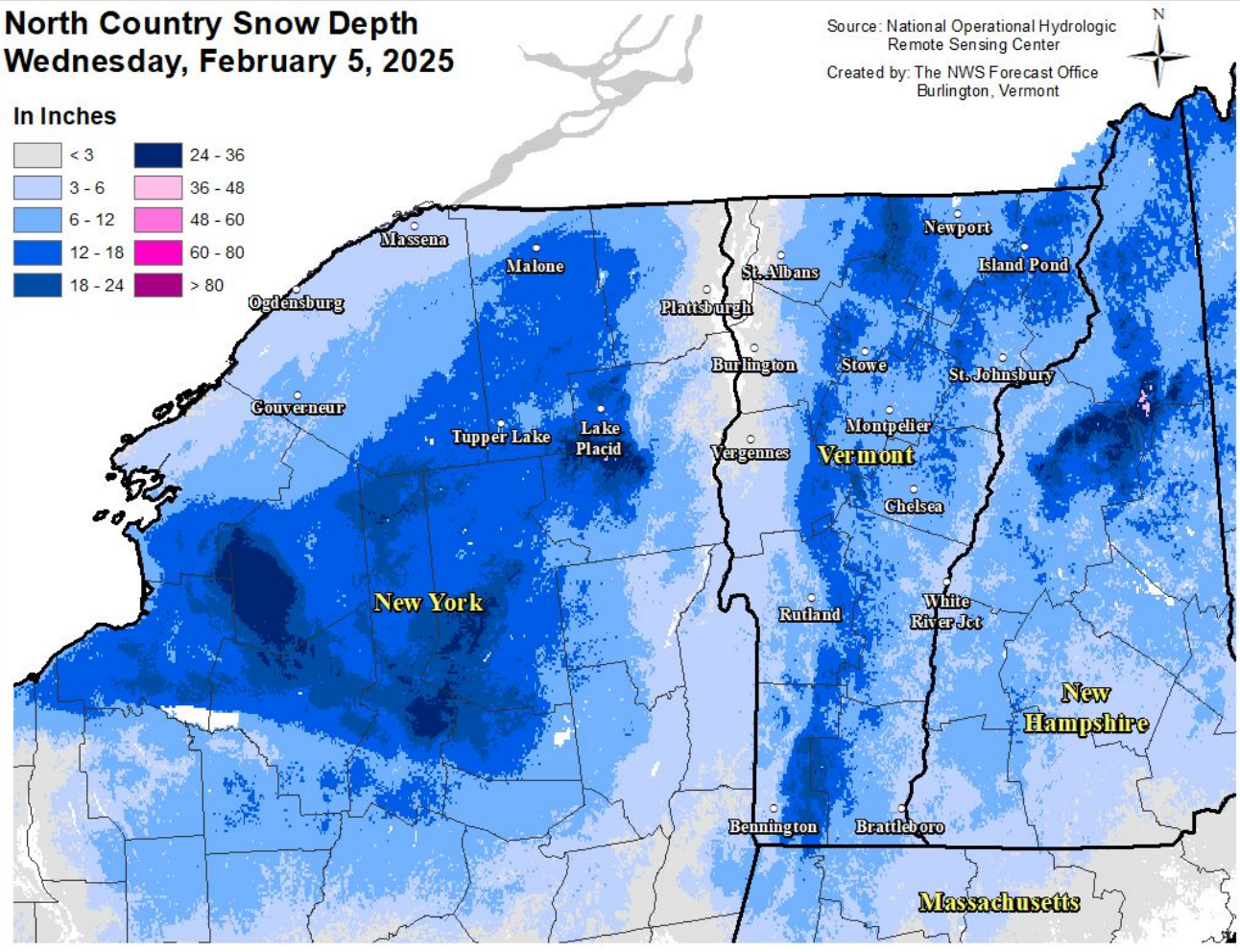
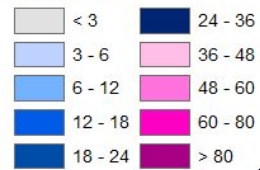
Higher terrain and summits (>2500 ft): 2 to 4+ ft

Near normal except above normal in northern high terrain

North Country Snow Depth Wednesday, February 5, 2025

Source: National Operational Hydrologic
Remote Sensing Center
Created by: The NWS Forecast Office
Burlington, Vermont

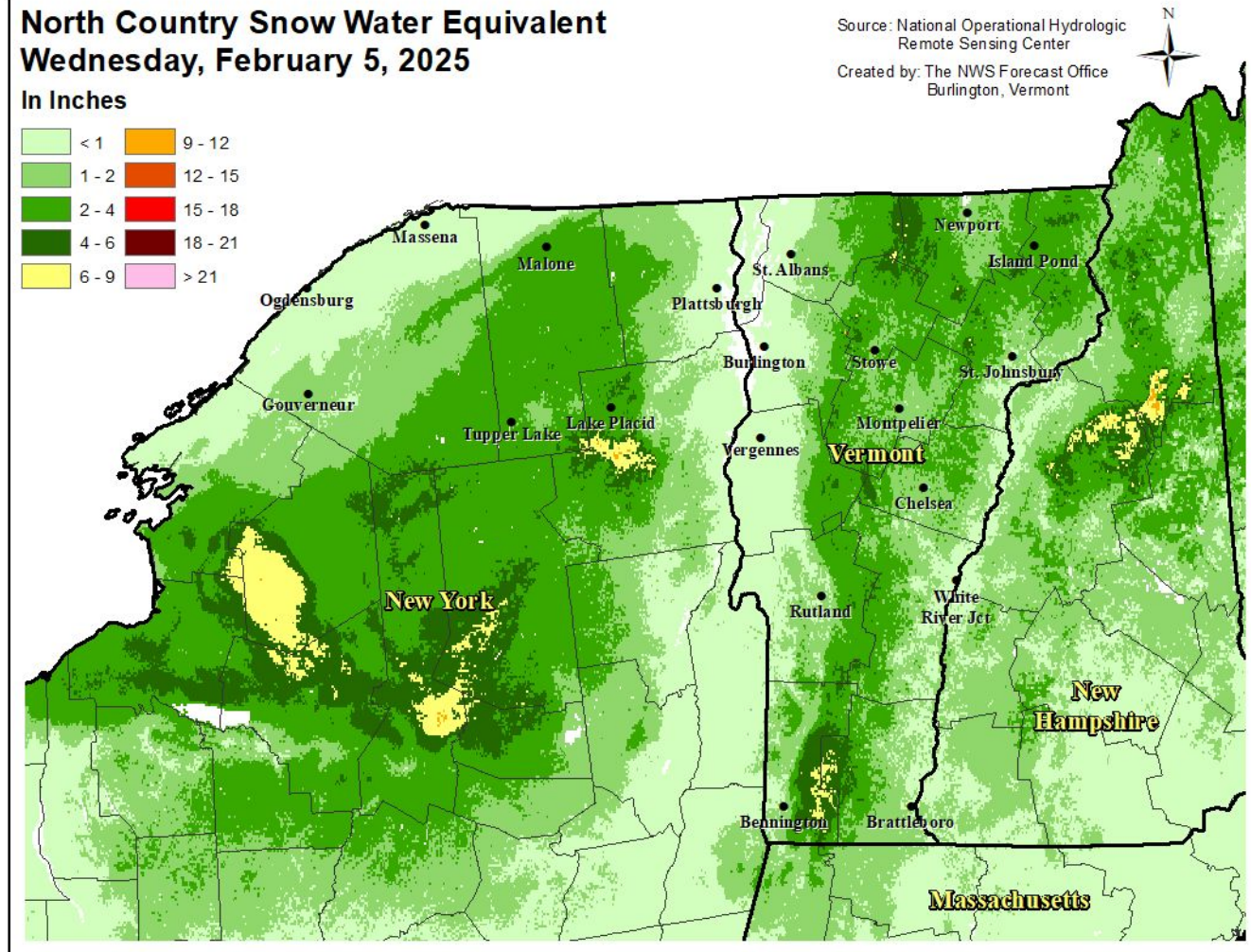
In Inches



North Country Snow Water Equivalent Wednesday, February 5, 2025

Source: National Operational Hydrologic
Remote Sensing Center
Created by: The NWS Forecast Office
Burlington, Vermont

In Inches



Water Equivalents

Champlain, Lower CT, and St Lawrence Valleys: ~ ≤ 1"

Mid-terrain (1000-2500 ft): ~ 1 - 3"

Higher terrain and summits (>2500 ft): ~ 2.5 to 4+"

Below normal broad valleys; Near to above normal high terrain



River Ice Coverage

February 6, 2025

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As of February 6, 2025

- Any potential for ice jam flooding is below normal over the next two weeks due to persistent cold weather.
- Due to recent cold conditions, river and lake ice formation continues in earnest. Many rivers have become largely ice covered, especially across northern counties. River ice thicknesses are estimated at 6-12", though perhaps slightly greater on a few northern rivers. No ice jams are currently observed.



Passumpsic R. @ St. Johnsbury, VT (1/27/25)

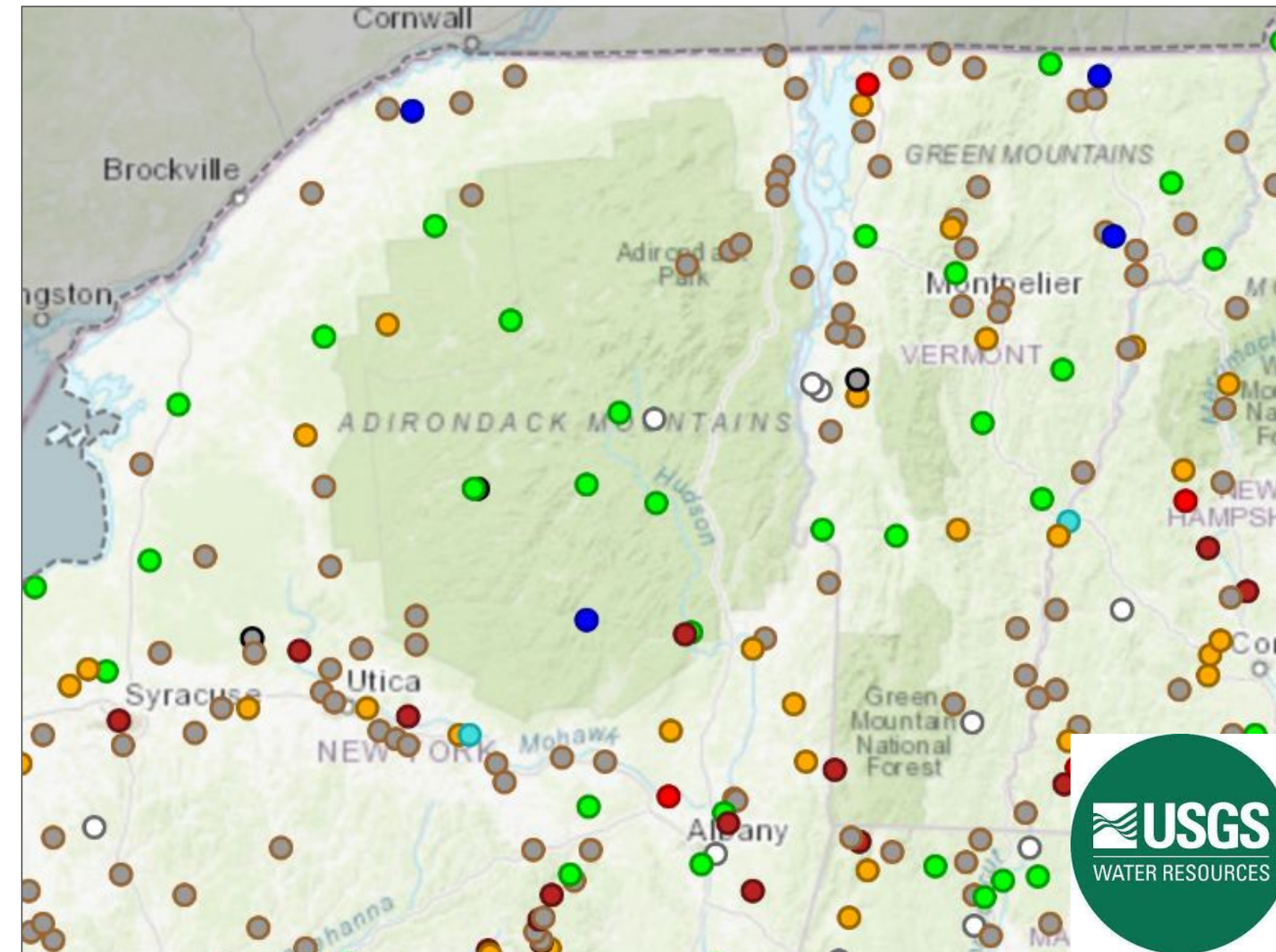




Current Streamflow across VT and NY

February 6, 2025
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As of February 6, 2025



Streamflow: Status

- Above flood stage
- All-time high for this day (100th percentile (maximum))
- Much above normal (>90th percentile)
- Above normal (76th – 90th percentile)
- Normal (25th – 75th percentile)
- Below normal (10th – 24th percentile)
- Much below normal (<10th percentile)
- All-time low for this day (0th percentile (minimum))
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

Comments: Marker color indicates the current streamflow condition. Categories are based on the percentile of existing streamflow records on this day-of-the-year. A streamgage is not ranked when there is less than 10 years of record or a current streamflow value is unavailable. Flood stages are maintained by the National Weather Service (NWS) and are not established for all USGS streamgages.

Data Source: [USGS Water Data for the Nation](#)

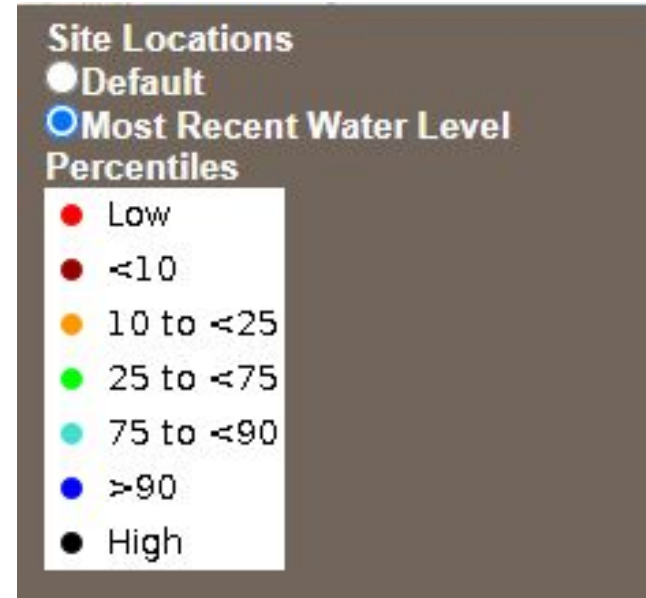
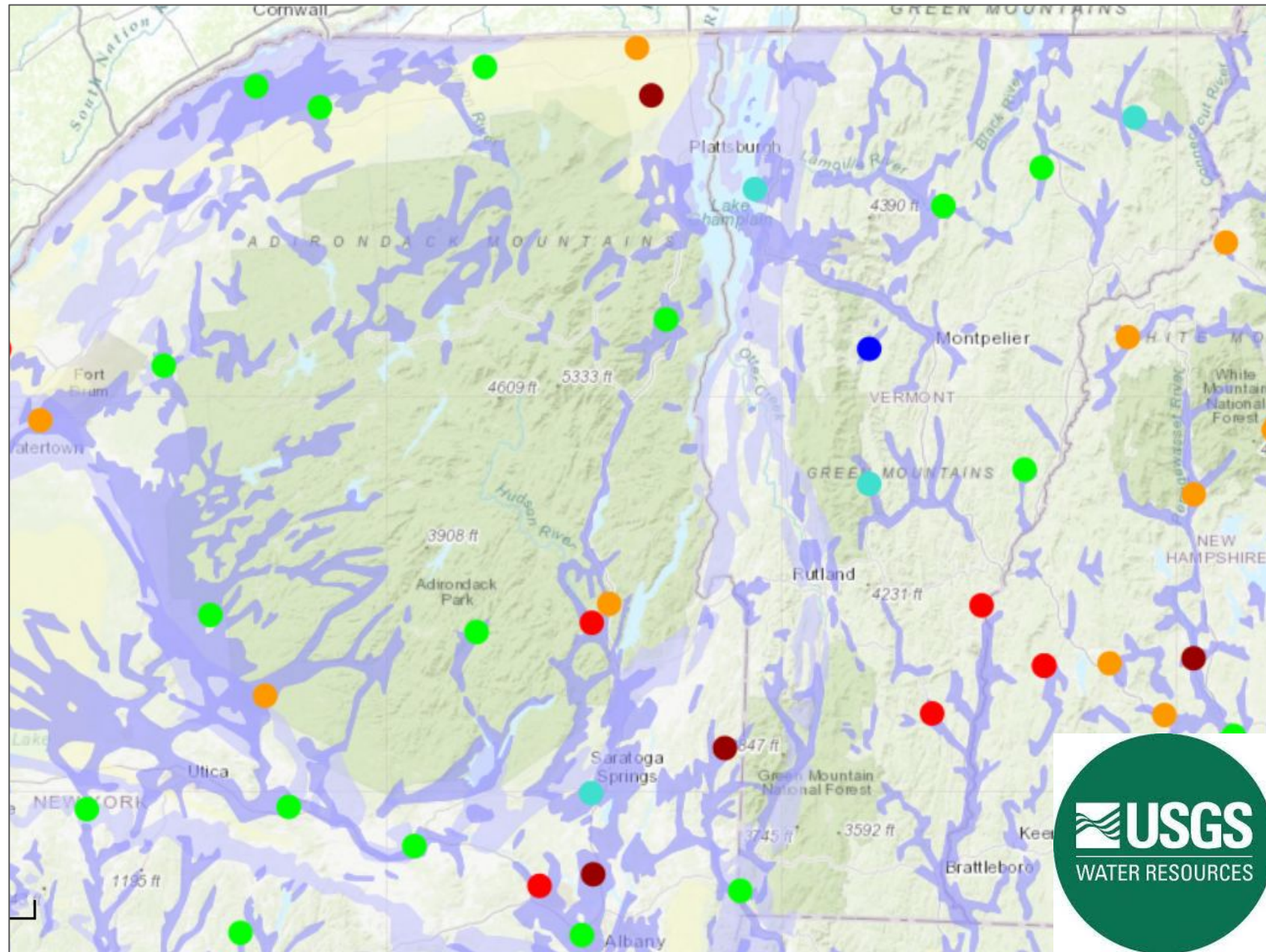
- Currently a mix of above and below normal values where reliable data exists (courtesy [USGS Water Dashboard](#))
- Variable with some lower levels now evident in northwest VT.



Groundwater Conditions across VT and NY

February 6, 2025
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As of February 6, 2025



- Currently a mix of above and below normal levels our area (courtesy [USGS via the National Ground-Water Monitoring Network](#))
- Some variability with generally drier conditions across southern Vermont.

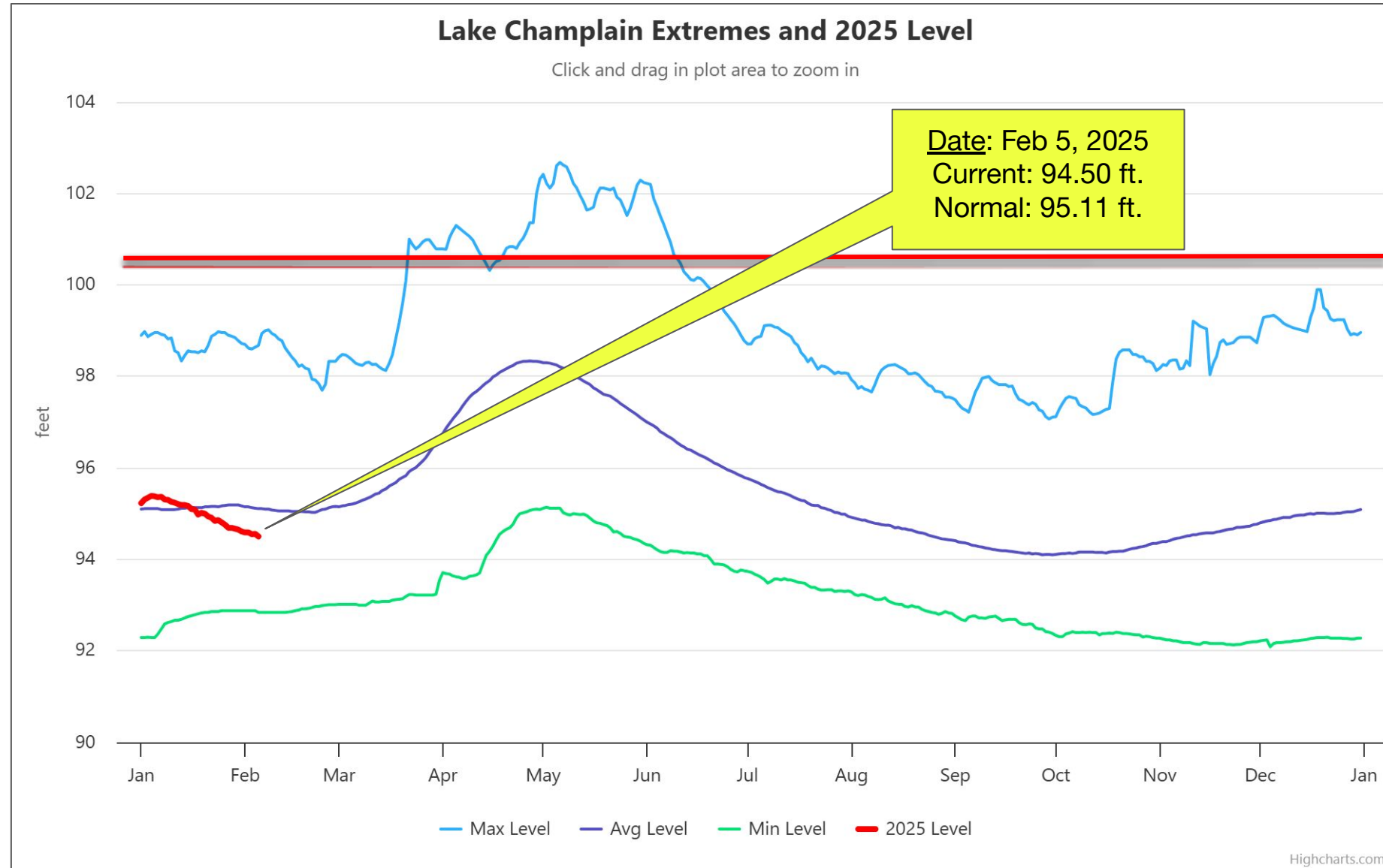


Lake Champlain

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Level and overview

- No immediate concerns with current levels slightly below normal as the lake approaches seasonal late winter minimum values.
- Future levels heavily reliant on future precipitation and snowmelt.



Flood Stage (99.5 ft.)



6-10 Day Outlooks

February 6, 2025

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Normal mid-February Temperatures: **Highs:** 20s to around 30°F

Lows: 5°F to 15°F

TEMPERATURE: Below normal

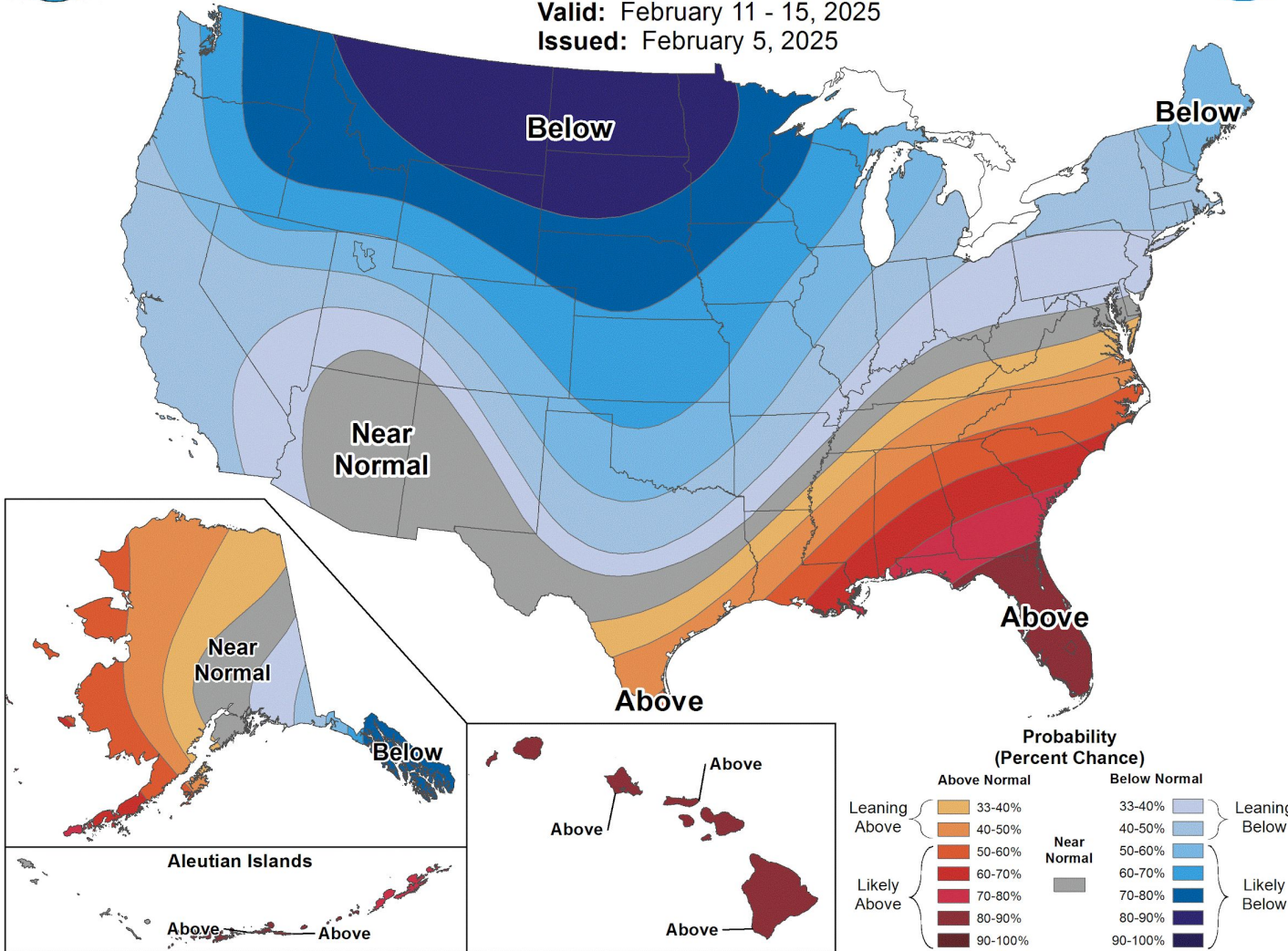
PRECIPITATION: Above normal



6-10 Day Temperature Outlook



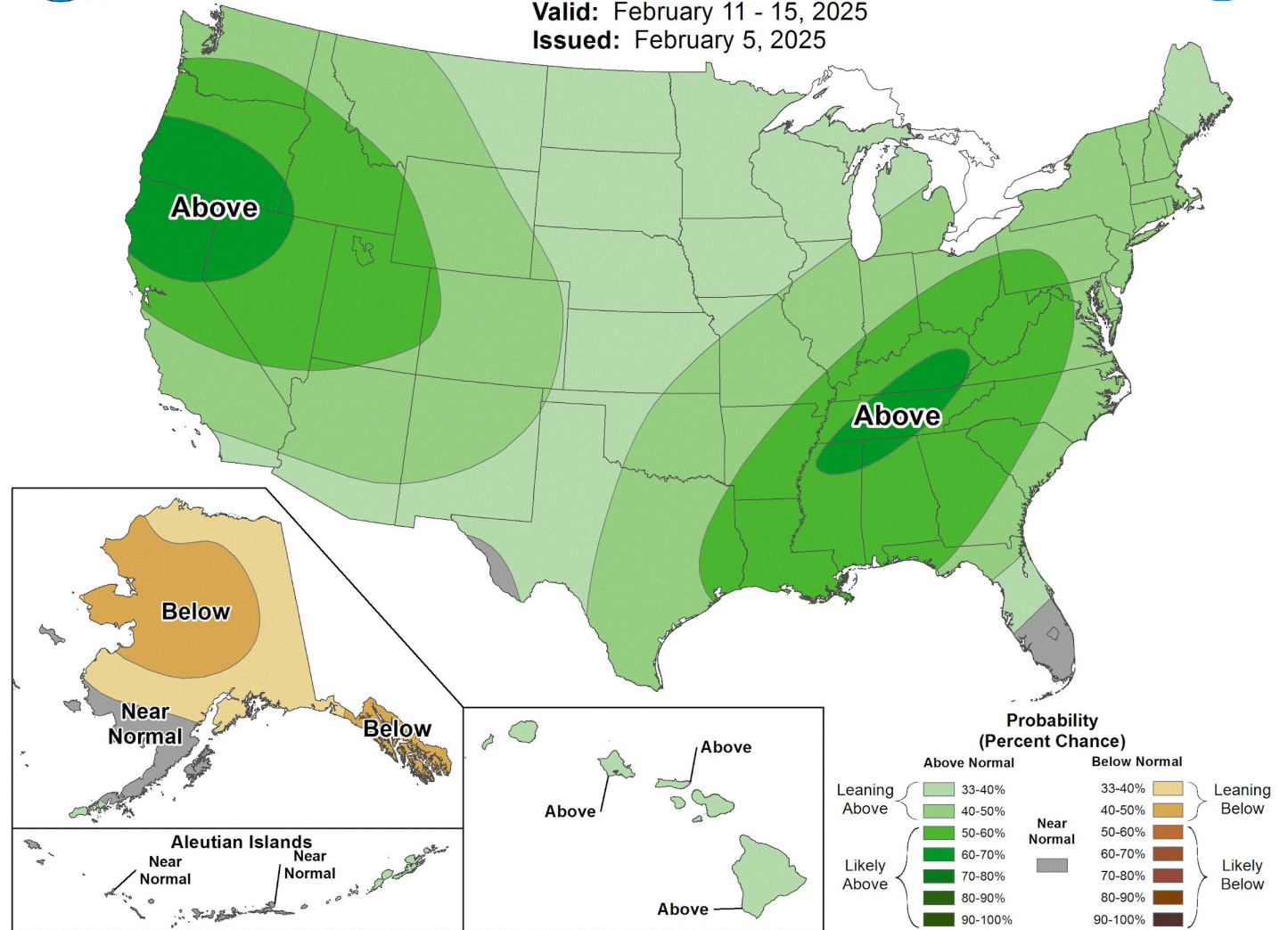
Valid: February 11 - 15, 2025
Issued: February 5, 2025



6-10 Day Precipitation Outlook



Valid: February 11 - 15, 2025
Issued: February 5, 2025





Contact and Next Briefing Information

February 6, 2025
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For northern New York and all of Vermont

Contact Information

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→ (802) 658-0150 or (802) 863-4279

Email

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Twitter

→ twitter.com/NWSBurlington



Next Briefing: Issued every two weeks

- Thursday, February 20, 2025
- Method: Sent via email by 5 pm



Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: Wednesday, February 19, 2025

