



Another Winter Storm Ahead!

December 20, 2022
5:32 AM

Wednesday Through Saturday

Key Messages

- Prolonged high winds. **Tree damage and power outages anticipated when combined with snow loaded trees!**
- **Blizzard conditions possible!**
- **Heavy snow possible**, especially for northwest Wisconsin, the I-35 corridor and the Arrowhead of Minnesota

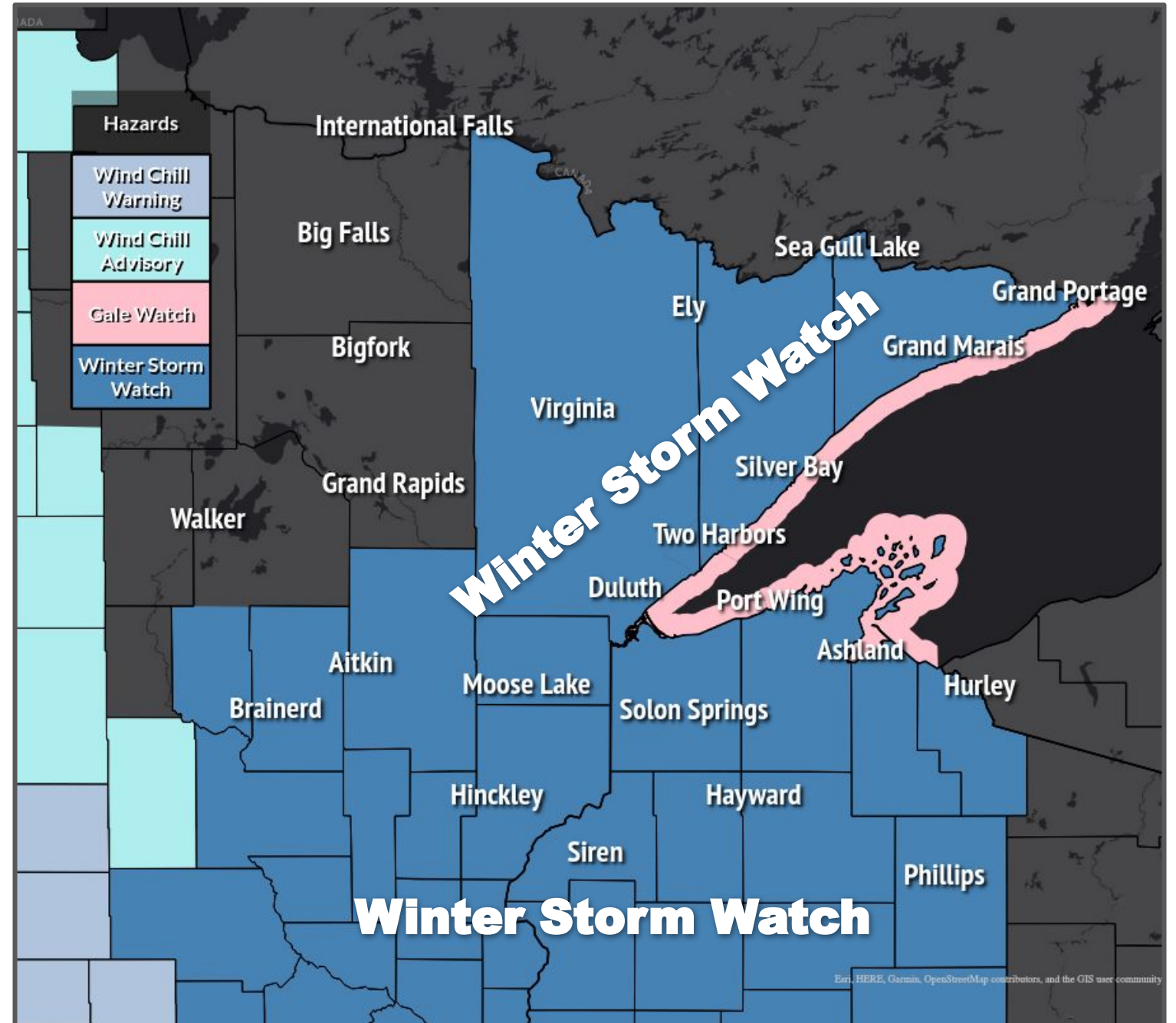
→ Dangerous Wind Chills

What Has Changed

- Winter Storm Watch expanded to include southern Cass and Crow Wing counties

Next Scheduled Update

- 500 pm CST Tuesday, December 20, 2022





Prolonged High Winds

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Peak Gusts Through Saturday

- **What:** North to northwest gusts around 45 mph. Higher gusts are forecast near Lake Superior.
- **Timing:** Winds will significantly increase Thursday morning and remain strong through at least Saturday
- **Trees that remain snow-loaded from the previous storm combined with strong winds are a concern for additional tree damage and power outages.**
- **Significantly reduced visibility in blowing snow. **Blizzard conditions possible!****

	Maximum Wind Gust Forecast														Maximum
	12/21	12/22				12/23				12/24					
	Wed	Thu				Fri				Sat					
6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm			
Aitkin	10	14	22	23	28	32	36	36	38	38	38	31	26	38	
Ashland	12	7	16	24	29	32	36	37	38	40	40	35	30	40	
Big Falls	8	12	15	18	20	23	26	30	32	31	32	28	22	32	
Brainerd	10	16	23	26	28	36	38	38	38	37	37	32	28	38	
Crane Lake	8	12	16	18	22	25	29	32	36	37	37	32	26	37	
Duluth	10	13	23	28	35	43	43	41	43	43	40	38	36	43	
Ely	9	12	16	18	21	26	32	35	39	39	39	36	30	39	
Grand Marais	15	17	20	25	35	46	47	51	54	55	55	47	47	55	
Grand Portage	15	16	20	23	30	39	43	45	47	47	47	44	41	47	
Grand Rapids	8	14	20	23	25	32	33	38	39	39	39	31	28	39	
Hayward	12	7	14	21	22	30	33	35	35	38	38	31	24	38	
Hinckley	12	15	22	23	31	37	38	36	37	38	37	33	26	38	
Hurley	12	10	13	17	24	29	32	37	37	40	41	37	31	41	
International Falls	12	15	18	20	23	26	30	32	36	35	35	32	25	36	
Moose Lake	9	13	20	23	30	39	40	36	37	38	38	32	28	40	
Phillips	13	12	14	17	23	31	35	33	37	37	36	32	26	37	
Sea Gull Lake	10	12	17	18	22	29	33	39	41	44	41	37	37	44	
Silver Bay	13	14	18	30	38	46	47	46	47	49	47	46	46	49	
Solon Springs	10	10	17	22	23	31	32	35	36	37	37	32	25	37	
Spooner	12	10	17	23	25	33	36	37	37	38	38	32	25	38	
Two Harbors	13	13	18	29	35	41	41	40	41	40	39	39	37	41	
Virginia	8	14	18	21	23	33	36	38	41	41	39	33	30	41	
Walker	12	16	21	23	25	32	35	35	39	39	36	31	26	39	

*Table values in mph

Don't see your city? Check out weather.gov/forecastpoints

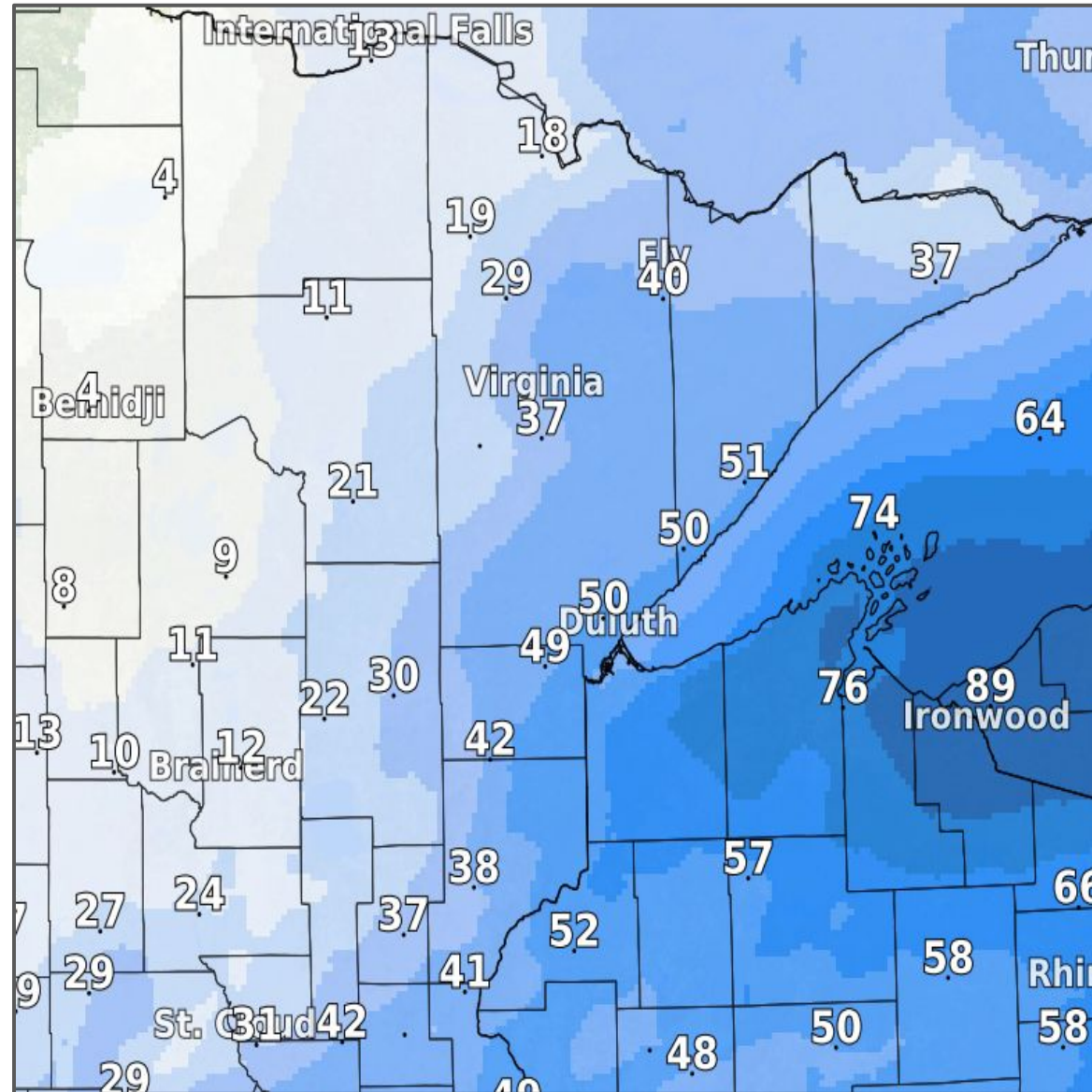


Snowfall Probabilities

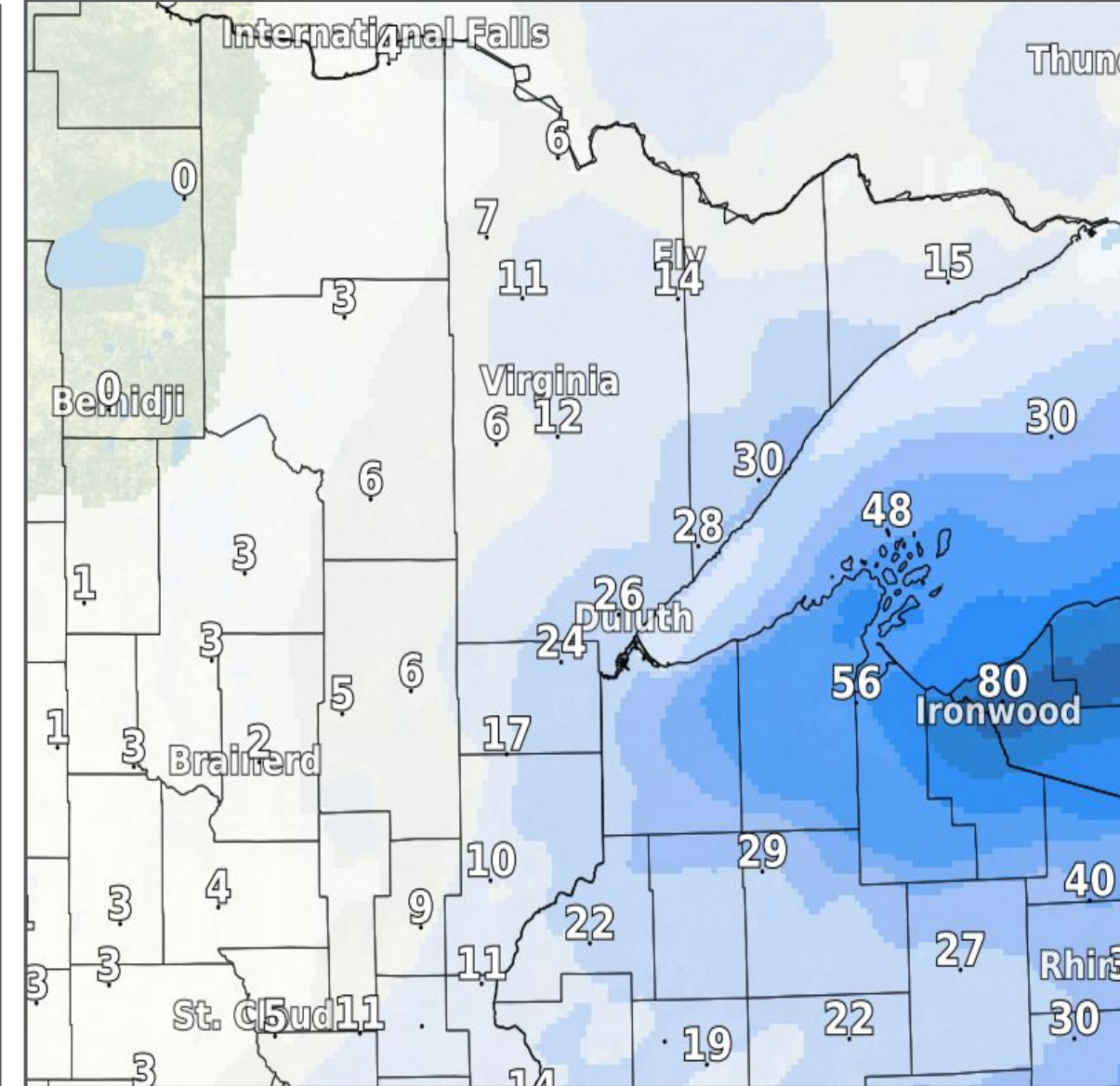
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Wednesday through Saturday Morning

Probability For Greater Than 6 Inches



Probability For Greater Than 12 Inches



Details

- Snow is forecast to begin to overspread northeast Minnesota and northwest Wisconsin through the day on Wednesday.
- Snow may continue, especially for the snow belt in northwest Wisconsin through Saturday.



Dangerous Wind Chills

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- Dangerous wind chills begin tonight (as low as -30 F) with a short warm-up on Wednesday
- Dangerous wind chills of -25 to -30 return Thursday night and continue through Christmas Eve on Saturday
- Frostbite in 30 minutes or less is possible to exposed skin

Wind Chill is the air temperature equivalent in calm wind which would result in heat loss equal to the temperature and wind together. **Body heat loss can cause frostbite and/or hypothermia.**

	Minimum Wind Chill Forecast																								Minimum
	12/20 Tue			12/21 Wed				12/22 Thu				12/23 Fri				12/24 Sat				12/25 Sun					
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm		
Aitkin	-24	-24	-29	-27	-19	-18	-17	-22	-25	-28	-34	-35	-34	-29	-31	-34	-34	-24	-31	-30	-28	-15	-18	-35	
Ashland	-12	-12	-17	-21	-22	-8	2	0	-2	-1	-7	-14	-16	-14	-15	-16	-17	-14	-11	-16	-16	-8	-9	-22	
Big Falls	-16	-19	-26	-27	-14	-16	-20	-24	-25	-26	-32	-34	-34	-28	-31	-32	-32	-24	-29	-29	-27	-13	-18	-34	
Brainerd	-26	-24	-28	-26	-19	-17	-16	-22	-26	-29	-35	-35	-34	-29	-31	-33	-32	-23	-28	-27	-27	-12	-14	-35	
Crane Lake	-13	-16	-22	-25	-14	-13	-17	-19	-21	-22	-29	-32	-32	-28	-31	-31	-31	-23	-27	-28	-27	-16	-19	-32	
Duluth	-22	-21	-31	-32	-22	-11	-11	-15	-19	-23	-30	-34	-34	-27	-30	-30	-30	-23	-26	-27	-26	-16	-19	-34	
Ely	-14	-15	-24	-25	-13	-10	-15	-17	-17	-19	-28	-32	-32	-26	-31	-31	-31	-22	-26	-28	-26	-13	-18	-32	
Grand Marais	-10	-13	-20	-21	-22	-9	-11	-11	-8	-14	-20	-28	-27	-24	-29	-30	-29	-20	-24	-25	-24	-13	-14	-30	
Grand Portage	-5	-9	-15	-19	-21	-9	-10	-10	-7	-7	-16	-23	-23	-19	-25	-25	-25	-15	-20	-24	-23	-11	-14	-25	
Grand Rapids	-22	-21	-30	-28	-19	-17	-17	-23	-26	-27	-34	-36	-36	-30	-33	-34	-34	-25	-29	-30	-29	-16	-19	-36	
Hayward	-19	-16	-25	-23	-16	-10	-7	-7	-9	-14	-22	-27	-27	-22	-25	-26	-26	-19	-23	-25	-25	-12	-15	-27	
Hinckley	-24	-20	-28	-26	-19	-15	-11	-16	-21	-24	-30	-32	-32	-26	-28	-30	-30	-22	-26	-26	-25	-12	-15	-32	
Hurley	-17	-17	-24	-25	-23	-9	-7	-6	-2	-3	-10	-14	-15	-16	-18	-20	-20	-15	-17	-20	-20	-11	-16	-25	
International Falls	-15	-17	-26	-27	-26	-15	-19	-22	-24	-24	-32	-34	-33	-28	-32	-33	-32	-23	-26	-27	-27	-16	-19	-34	
Moose Lake	-25	-20	-30	-27	-17	-13	-13	-16	-21	-25	-30	-34	-34	-26	-29	-30	-30	-21	-27	-28	-26	-13	-16	-34	
Phillips	-15	-15	-23	-23	-15	-6	-7	-6	-2	-7	-15	-21	-20	-18	-22	-25	-25	-18	-21	-24	-24	-11	-17	-25	
Sea Gull Lake	-9	-14	-20	-23	-23	-9	-14	-15	-14	-14	-23	-29	-29	-26	-29	-30	-30	-21	-25	-27	-26	-14	-18	-30	
Silver Bay	-13	-14	-23	-25	-20	-6	-8	-7	-8	-17	-23	-30	-30	-23	-27	-28	-28	-19	-22	-23	-22	-11	-13	-30	
Solon Springs	-17	-14	-24	-24	-20	-9	-8	-11	-12	-15	-25	-29	-30	-22	-26	-28	-28	-19	-22	-25	-25	-11	-17	-30	
Spooner	-20	-16	-25	-23	-17	-10	-8	-8	-13	-17	-26	-29	-29	-22	-27	-28	-28	-19	-23	-25	-25	-12	-15	-29	
Two Harbors	-13	-13	-21	-21	-15	-5	-6	-7	-9	-16	-22	-27	-27	-20	-24	-24	-24	-16	-19	-22	-21	-9	-12	-27	
Virginia	-17	-19	-25	-26	-17	-14	-18	-20	-24	-25	-30	-34	-34	-29	-32	-33	-33	-26	-28	-28	-28	-16	-19	-34	
Walker	-25	-26	-30	-26	-22	-19	-21	-26	-29	-30	-36	-36	-36	-31	-34	-36	-36	-27	-30	-30	-29	-15	-18	-36	

*Table values in °F

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Wednesday Through Saturday

Key Messages

- Prolonged high winds. **Tree damage and power outages anticipated when combined with snow loaded trees!**
- **Blizzard conditions possible!**
- **Pre-Christmas travel impacts likely for the region!**
- **Heavy snow possible**, especially for northwest Wisconsin, the I-35 corridor and the Arrowhead of Minnesota
- **Dangerous Wind Chills**

Getting Traction
Tips for Traveling in Winter Weather

- Check the NWS forecast
- Check road conditions
- Stay mobile
- Winterize your vehicle
- Pack an emergency supply kit

weather.gov/winter



Additional Resources

- [NWS Duluth Website](#)
- [Snowfall Probability Maps/Table](#)
- [NWS Duluth on Facebook](#)
- [NWS Duluth on Twitter](#)

- [Forecast Points \(Hourly Details\)](#)
- Road Conditions**
- MN: [511mn.org](#)
- WI: [511wi.gov](#)