



# Snow and Wind Today-Tonight

February 27, 2024

3:25 AM CST

Snow followed by a brief period of cold below-normal temperatures



## Key Messages

- **Snow & gusty winds** develop today, mainly for north-central MN (north & west of the Iron Range).
- **Snowfall rates 1"/hr+** likely through about 1 PM for Koochiching/N. St. Louis Counties
- Combination of **snow & blowing snow** will cause **low visibilities** in spots.
- **Wind chills 15-30° below zero** tonight & Wed. AM.

NEW

## What Has Changed

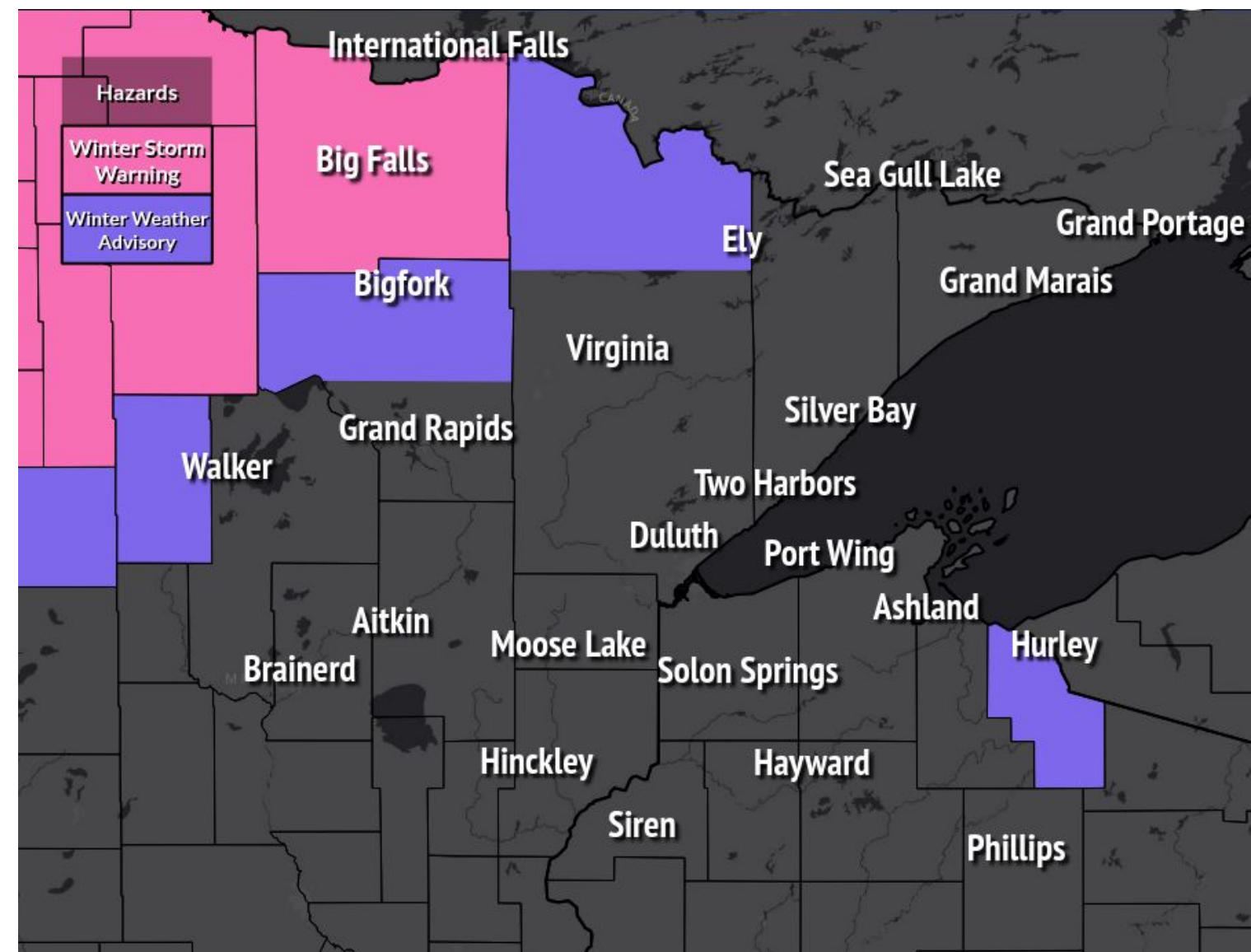
- Snow amounts increased some
- Winter Weather Advisories expanded.

July  
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## Next Scheduled Update

- Before 4 PM Tuesday Afternoon

**Winter Storm Warning** and **Winter Weather Advisory**



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

National Weather Service  
Duluth, MN





# Expected Snowfall Forecast

February 27, 2024

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## Snow Details

- **Koochiching County** has the highest chance (>90%) of seeing snowfall amounts **4" or more**
- **Amounts of 6" or more** expected near International Falls (80% chance).

## Timing

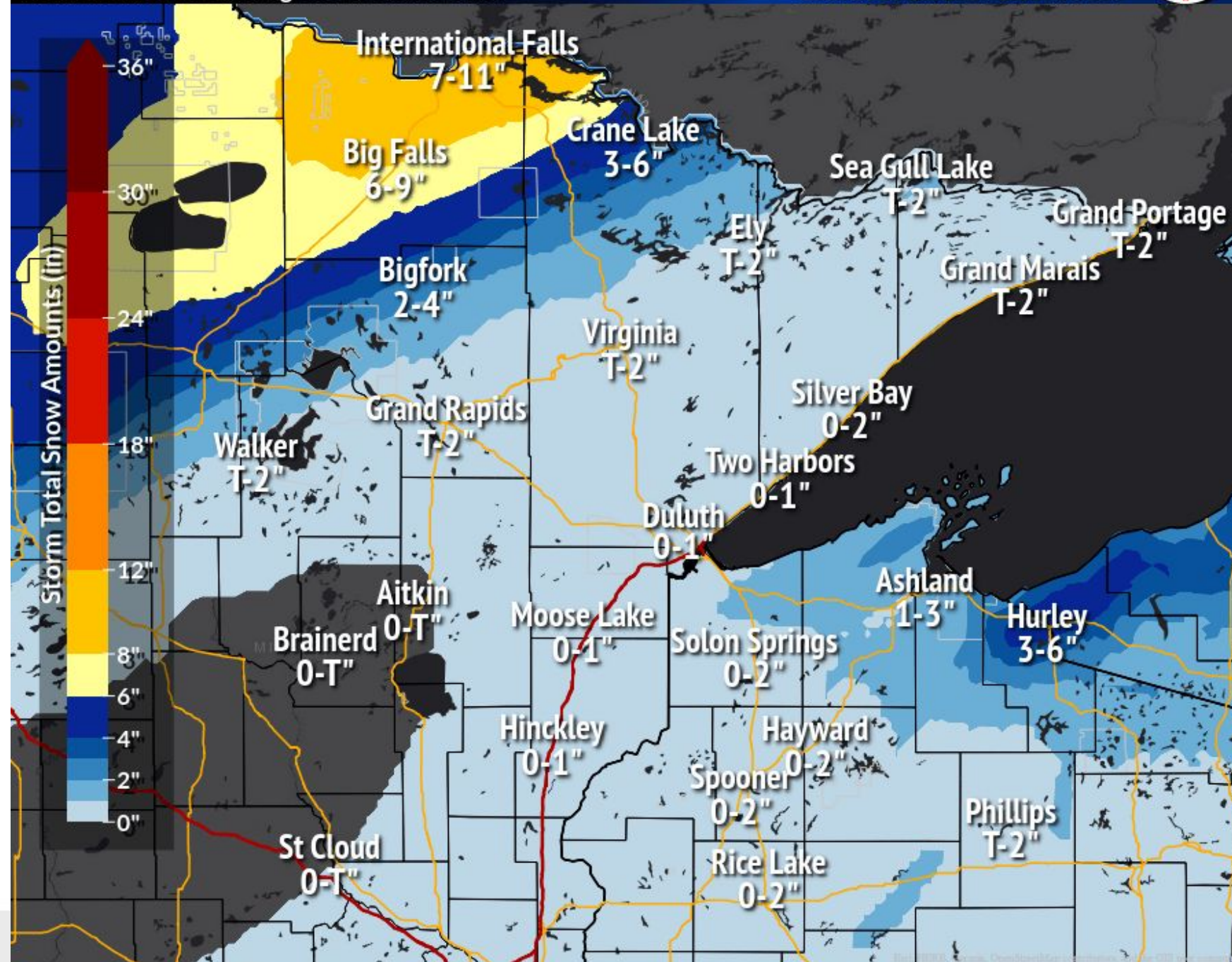
- Heaviest snowfall in **northern MN this morning through midday**.
  - ◆ Heaviest snowfall rates will be during the morning commute, creating hazardous travel conditions
- Heaviest snowfall in **NW WI tonight into Wednesday morning**.

### Expected Snowfall - Official NWS Forecast

Valid Tue 6:00AM through Wed 6:00PM CST

Weather Forecast Office  
Duluth, MN

Issued Feb 27, 2024 2:19 AM CST



f NWS Duluth

weather.gov/duluth



National Oceanic and  
Atmospheric Administration

U.S. Department of Commerce





# Expected Snowfall Timing

February 27, 2024  
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Table shows forecasted weather type and % chance of precipitation

## Precipitation Timing

- ➔ Moderate to heavy snow through early afternoon over north-central Minnesota.
  - ◆ Heavy snow is expected through early afternoon in far northern MN with snowfall rates of 1"/hr+ likely (60-90% chance) between 6AM - Noon.
- ➔ Light snow spreads southeast across the rest of the Northland today/tonight.
- ➔ Snow ends northwest to southeast late today into Wednesday morning for most.
  - ◆ Snow lingers along the South Shore into Wednesday.

Sorted geographically NW to SE	Weather Forecast											
	2/27 Tue						2/28 Wed					
	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm
International Falls	95%	100%	100%	45%	20%	5%	0%	0%	0%	0%	0%	0%
Big Falls	95%	100%	95%	30%	15%	5%	0%	0%	0%	0%	0%	5%
Sea Gull Lake	25%	30%	25%	35%	45%	25%	5%	5%	0%	0%	0%	0%
Ely	35%	50%	40%	35%	35%	10%	0%	0%	0%	0%	0%	0%
Grand Portage	10%	15%	20%	45%	55%	40%	15%	10%	0%	0%	0%	0%
Virginia	20%	35%	35%	20%	20%	5%	0%	0%	0%	0%	0%	0%
Grand Marais	10%	15%	15%	40%	50%	35%	15%	10%	0%	0%	0%	0%
Walker	50%	55%	45%	20%	5%	5%	0%	0%	0%	0%	0%	0%
Grand Rapids	25%	40%	50%	20%	10%	0%	0%	0%	0%	0%	0%	0%
Silver Bay	10%	10%	15%	35%	40%	30%	10%	5%	0%	0%	0%	0%
Two Harbors	10%	10%	15%	35%	40%	25%	10%	5%	0%	0%	0%	0%
Duluth	10%	10%	15%	30%	35%	15%	5%	0%	0%	0%	0%	0%
Aitkin	10%	10%	15%	20%	10%	5%	0%	0%	0%	0%	0%	0%
Port Wing	5%	5%	15%	45%	60%	50%	25%	15%	0%	0%	0%	0%
Brainerd	10%	15%	15%	20%	5%	0%	0%	0%	0%	0%	0%	0%
Moose Lake	10%	10%	15%	25%	30%	10%	0%	0%	0%	0%	0%	0%
Ashland	0%	5%	15%	55%	65%	50%	30%	35%	5%	5%	0%	0%
Solon Springs	5%	5%	15%	55%	55%	35%	15%	10%	0%	0%	0%	0%
Hurley	0%	0%	5%	45%	90%	95%	80%	75%	45%	45%	30%	30%
Hinckley	5%	5%	15%	25%	30%	10%	0%	0%	0%	0%	0%	0%
Hayward	0%	0%	10%	55%	65%	45%	5%	5%	0%	0%	0%	0%
Siren	5%	5%	15%	40%	50%	15%	0%	0%	0%	0%	0%	0%
Spooner	0%	5%	10%	40%	60%	30%	5%	0%	0%	0%	0%	0%
Phillips	0%	0%	0%	15%	75%	80%	20%	15%	0%	0%	0%	0%

Created: 2 am CST Tue 2/27/2024. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

- Rain + - Wintry Mix + - Snow +

Created: 2 am CST Tue 2/27/2024 |  
(Sorted geographically from Northwest to Southeast)







# Probability of 4" and 6" or More

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For additional snowfall forecast probabilities, visit [weather.gov/dlh/winter](https://weather.gov/dlh/winter)

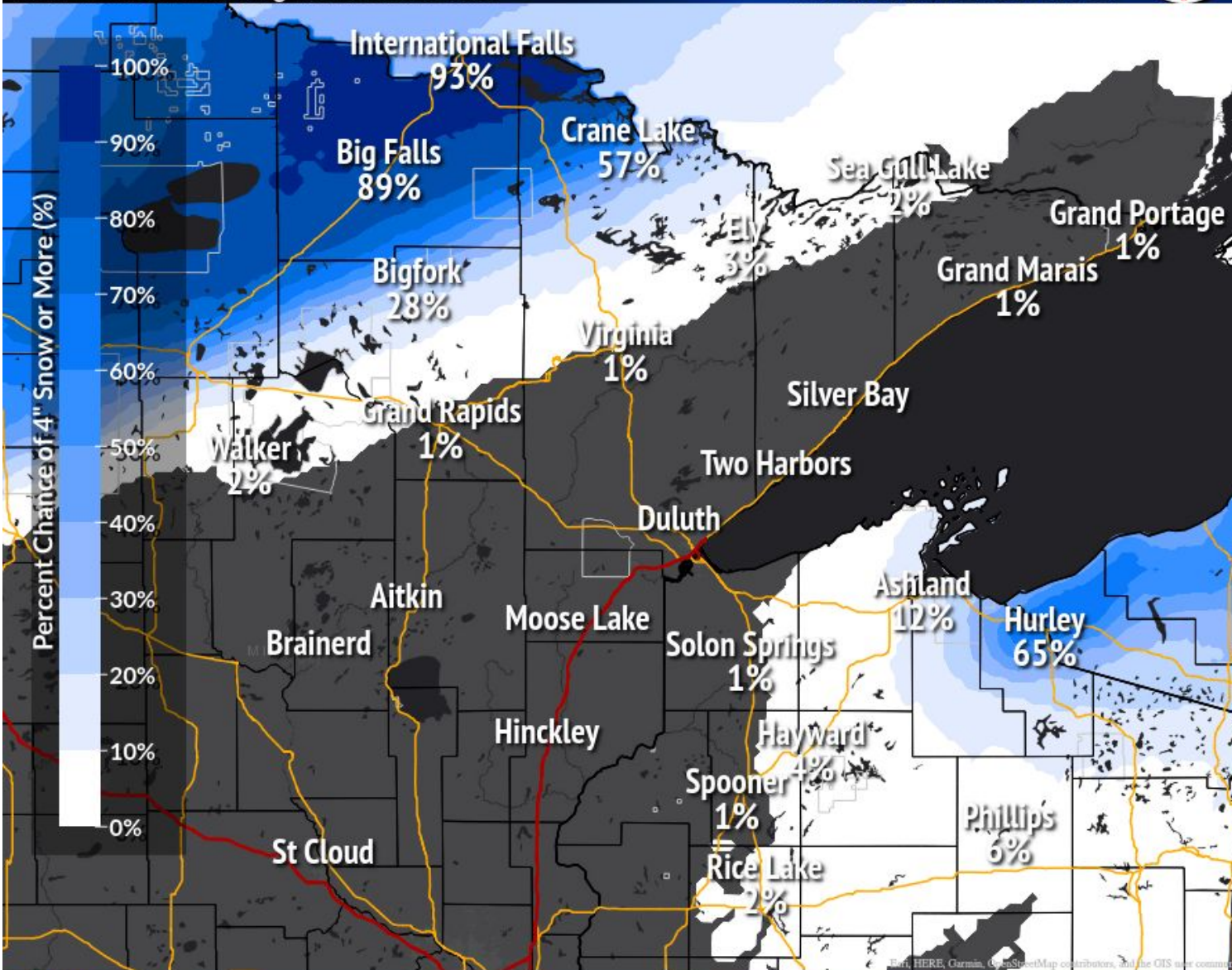
## Percent Chance of 4" Snow or More

Weather Forecast Office  
Duluth, MN



Valid Tue 6:00AM through Wed 6:00PM CST

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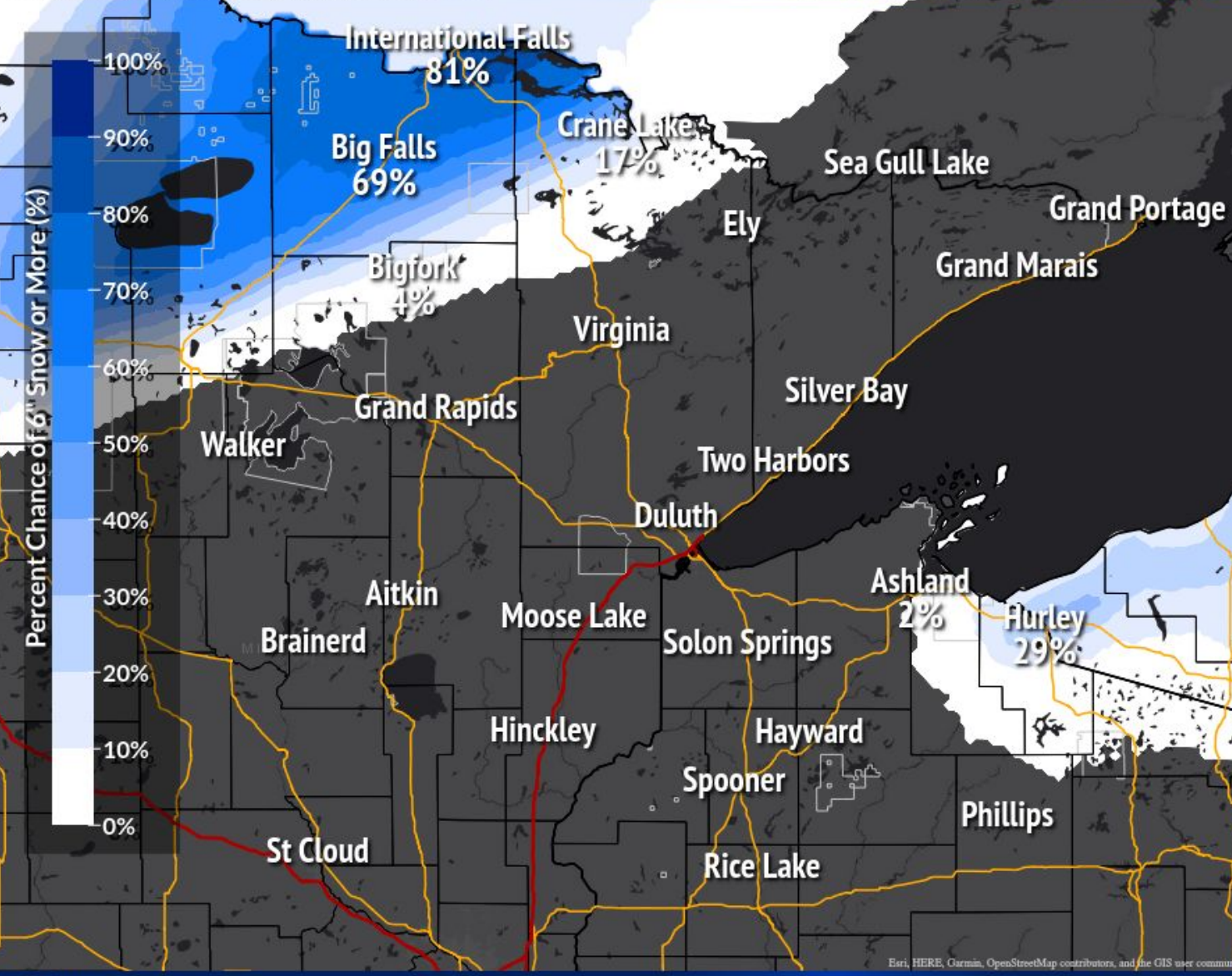
## Percent Chance of 6" Snow or More

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Duluth, MN



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# Gusty Winds

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Northerly Develop Today and persist Wednesday

## Wind Details

- **Gusty north to northwest winds** mid-day Tuesday through Wednesday morning.
- Sustained winds **15-25 mph** and **gusts 25-45 mph** (locally higher possible) may lead to **blowing snow** and **low visibilities today and Wednesday**
  - ◆ **Highest winds along North Shore.**

Maximum Wind Gust Forecast (mph)											
	2/27 Tue			2/28 Wed				2/29 Thu			
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	Maximum
Ashland	17↘	25↘	28↘	29↘	28↘	23↗	18↗	10↗	16↗	18↗	29
Brainerd	32↘	32↘	33↘	29↘	22↘	20↗	14↗	15↘	20↘	21↗	33
Duluth	22↘	35↘	36↘	32↘	30↘	24↘	21↗	10↗	21↘	24↘	36
Ely	21↘	25↘	28↘	26↘	23↘	22↘	17↘	9↗	18↗	21↘	28
Grand Marais	22↗	40↘	44↘	43↘	38↘	28↘	28↘	22↗	16↘	21↘	44
Grand Rapids	28↘	29↘	31↘	26↘	23↘	20↗	13↗	14↘	21↗	21↗	31
Hayward	15↗	24↘	29↘	29↘	26↘	21↘	17↘	9↗	21↗	23↗	29
Hinckley	22↘	31↘	31↘	31↘	23↘	21↘	15↗	13↘	20↗	21↗	31
Hurley	14↘	23↘	28↘	31↘	31↘	24↘	18↗	14↗	17↗	21↗	31
International Falls	26↘	26↘	25↘	21↘	17↘	18↗	12↗	12↘	18↘	18↘	26
Phillips	17↗	22↘	29↘	30↘	30↘	22↘	16↘	10↗	17↗	22↗	30
Silver Bay	23↗	38↘	40↘	36↘	36↘	25↘	24↘	15↗	18↘	23↖	40
Siren	16↘	28↘	30↘	30↘	24↘	21↘	16↗	14↘	22↗	23↗	30
Solon Springs	16↘	25↘	30↘	30↘	25↘	21↘	16↗	9↗	18↗	21↗	30
Virginia	24↘	28↘	32↘	31↘	25↘	21↘	16↘	10↘	21↗	22↗	32







# Plummeting Temperatures

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A Big Change In Temperatures From The Mild Conditions Yesterday!!!

## Temp/Wind Chill Details

- Warm high temperatures for northwest WI in the **40s/50s** today, temps likely falling during the day. Colder over northern MN.
- **Cold temperatures** arrive everywhere Tuesday night into Wednesday
  - ◆ Wind chill values could approach **25-30°** below zero tonight into Wednesday morning over northern Minnesota. Wind Chill Advisories may be needed.

	Minimum Wind Chill Forecast (°F)										Minimum
	2/27 Tue			2/28 Wed				2/29 Thu			
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	
Ashland	26	21	-2	-9	-10	-1	0	-1	0	22	-10
Brainerd	14	-3	-14	-20	-20	-5	1	-3	1	28	-20
Duluth	25	0	-15	-21	-21	-9	-7	-6	-2	16	-21
Ely	13	-5	-20	-26	-26	-14	-14	-13	-10	11	-26
Grand Marais	20	-6	-22	-26	-27	-14	-17	-17	-12	2	-27
Grand Rapids	9	-6	-17	-22	-23	-11	-5	-8	-6	18	-23
Hayward	27	23	-6	-15	-15	-1	-1	-4	-3	23	-15
Hinckley	25	8	-9	-15	-15	-3	0	-1	0	27	-15
Hurley	25	20	-3	-12	-14	-7	-8	-9	-8	17	-14
International Falls	-5	-15	-21	-26	-27	-13	-15	-16	-13	10	-27
Phillips	26	33	1	-14	-15	-2	-8	-8	-6	21	-15
Silver Bay	24	3	-15	-21	-22	-6	-10	-10	-6	11	-22
Siren	27	13	-6	-14	-15	-2	0	-2	-1	28	-15
Solon Springs	26	12	-9	-16	-17	-3	-3	-4	-3	24	-17
Virginia	13	-6	-20	-26	-26	-12	-9	-10	-7	13	-26





# Wintry System Today-Tonight

February 27, 2024

3:25 AM CST

Accumulating Snow, Gusty Winds, and Cold Weather Tuesday - Wednesday



## Key Messages

- **Snow** and **gusty winds** today, mainly for north-central Minnesota (north and west of the Iron Range)
- **Snowfall rates 1"/hr+** likely through about 1 PM for Koochiching/N. St. Louis Counties
- Combination of **snow** and **blowing snow** will cause **low visibilities** in spots.
- **Wind chills 15-30° below zero** tonight and Wednesday morning.

July  
17

## Next Scheduled Update

- Before 4 PM Tuesday Afternoon



## 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](#)



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