



Winter Weather Continues

January 18, 2024
4:01 AM

For Western and North Central New York

Decision Support Briefing #15

→ As of 4:00 AM, Thursday January 18, 2024



Important Updates

- **Lake Effect Snow Warning** remains in effect for Erie, Genesee, and Wyoming counties until 7PM Thursday
- **Lake Effect Snow Warning** remains in effect for Oswego, Jefferson, and Lewis counties until 7PM Thursday
- **Gale Warnings** have ended





Main Points

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Hazard	Impacts	Location	Timing
Lake Effect Snow 	Lake effect snow will accumulate rapidly where bands persist. Visibility will be drastically reduced with near whiteout conditions.	Erie, Genesee, and Wyoming counties	Through 7 PM Thursday
Lake Effect Snow 	Lake effect snow will accumulate rapidly where bands persist. Visibility will be drastically reduced with near whiteout conditions.	Oswego, Jefferson, and Lewis counties	Through 7 PM Thursday
Widespread Snow 	Widespread light to moderate snow will reduce visibility and result in snow covered roads	All of Western and Central NY	Very late Thursday night through Friday night





Timing of Greatest Impacts

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	6AM to 1PM Thursday	1PM to 7PM Thursday	Thursday Night	Friday
Lake Effect Snow Erie County	Heavy Lake Snow Southtowns	Heavy Lake Snow City/Norhtowns	Lake Snow Ends in the Evening	
Lake Effect Snow Wyoming/Genesee Counties	Heavy Lake Snow western sections	Lake Snow Weakens		
Lake Effect Snow Jefferson/Lewis Counties	Heavy Lake Snow Mainly South of Route 3	Heavy Lake Snow Mainly South of Route 3	Lake Snow Moves South and Weakens	
Lake Effect Snow Oswego County	Heavy Lake Snow Extreme Northern Portion	Lake Snow Extreme Northern Portion	Lake Snow May Move Southwest Along The Immediate Shore	
Widespread Snow All of Western and Central NY				Widespread light to moderate snow

This outlook depicts timing and magnitude of potential impacts to local travel and infrastructure from snowfall rates and/or amounts, blowing snow, ice, and cold temperatures.

Risk Levels

No/None

Limited

Elevated

Significant

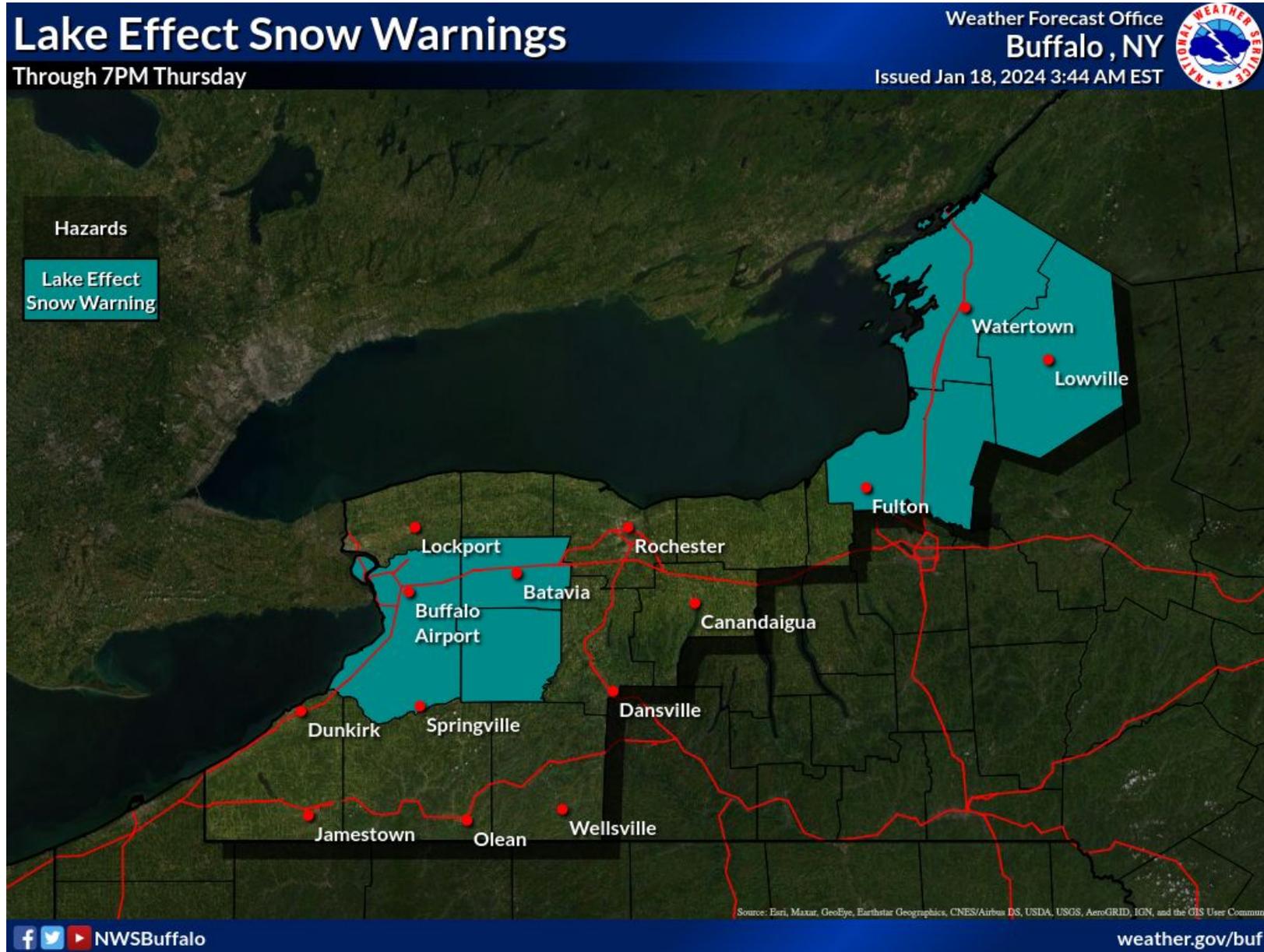
Extreme





Lake Effect Snow Warning

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- ❑ Lake Effect Snow Warning
 - ❑ Through 7 PM Thursday for Erie, Genesee, Wyoming, Jefferson, Lewis, and Oswego counties
- ❑ Storm Total snowfall 1 to 3 feet in the most persistent snows
 - ❑ Locally up to 4 feet in some of the Buffalo Southtowns and northern Tug Hill
- ❑ **Note:** Accumulations above include what has already fallen since Tuesday





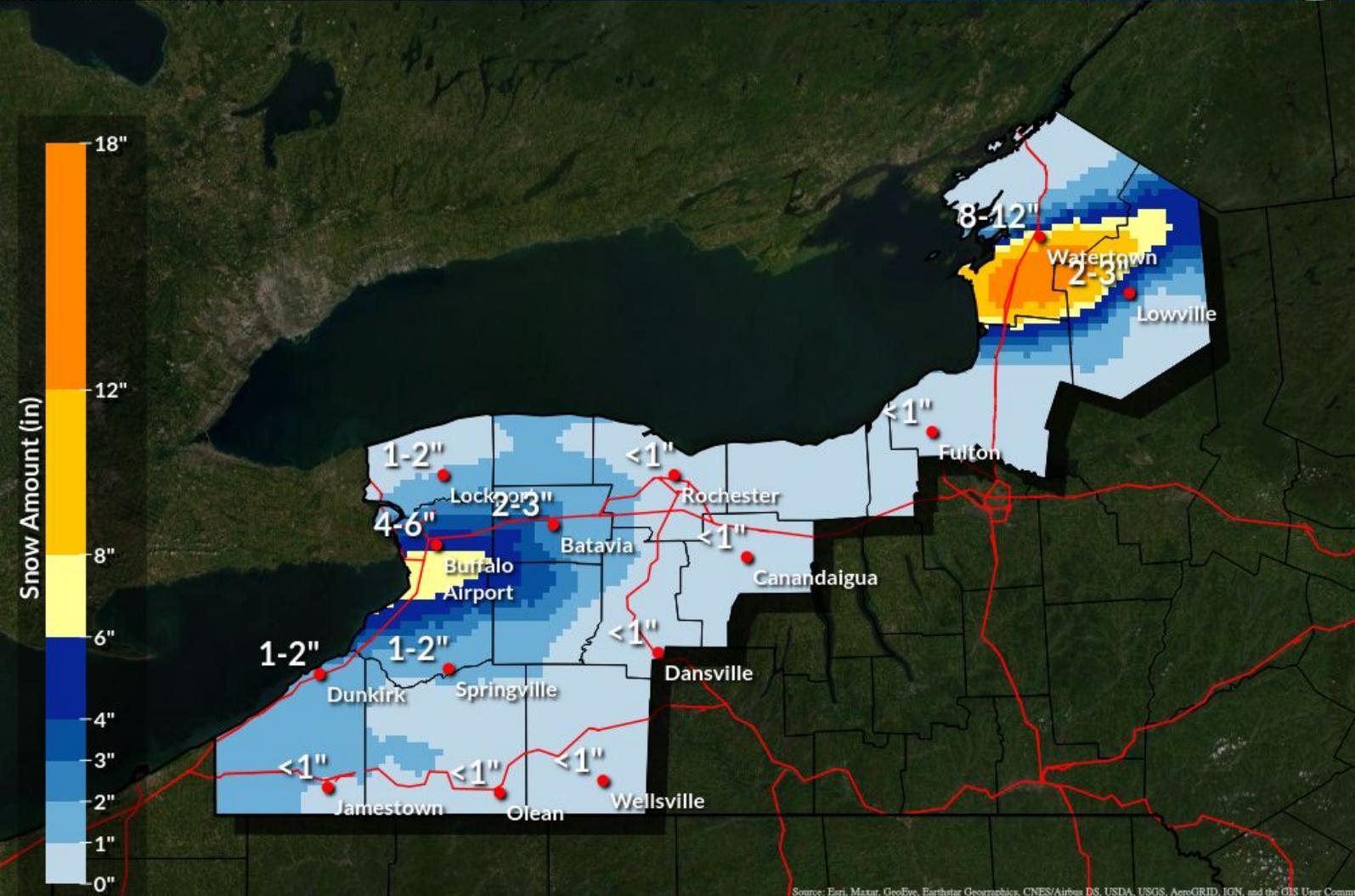
Snowfall 7 AM to 7 PM Thursday

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Additional Snowfall Today

7AM to 7PM Thursday

Weather Forecast Office
Buffalo, NY
Issued Jan 18, 2024 3:48 AM EST



NWSBuffalo

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- ❑ **Lake Erie: 4"-8"** in the most persistent lake lake snows in the Buffalo Area
 - ❑ **Maximum Snowfall Rate: 1-2"** per hour
 - ❑ **Band Motion:** expected to move from the Southtowns this morning north across the Buffalo Metro during the midday and afternoon

- ❑ **Lake Ontario: 12"-20"** in the most persistent lake snows across southern Jefferson County and the northern Tug Hill Plateau
 - ❑ **Maximum Snowfall Rate: 3-4"** per hour this morning, 2-3" per hour this afternoon
 - ❑ **Band Location:** expected to center **JUST** south of the Route 3 corridor most of today



National Oceanic and Atmospheric Administration
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National Weather Service
Buffalo, NY



Snowfall 7 PM Thursday to 4 AM Friday

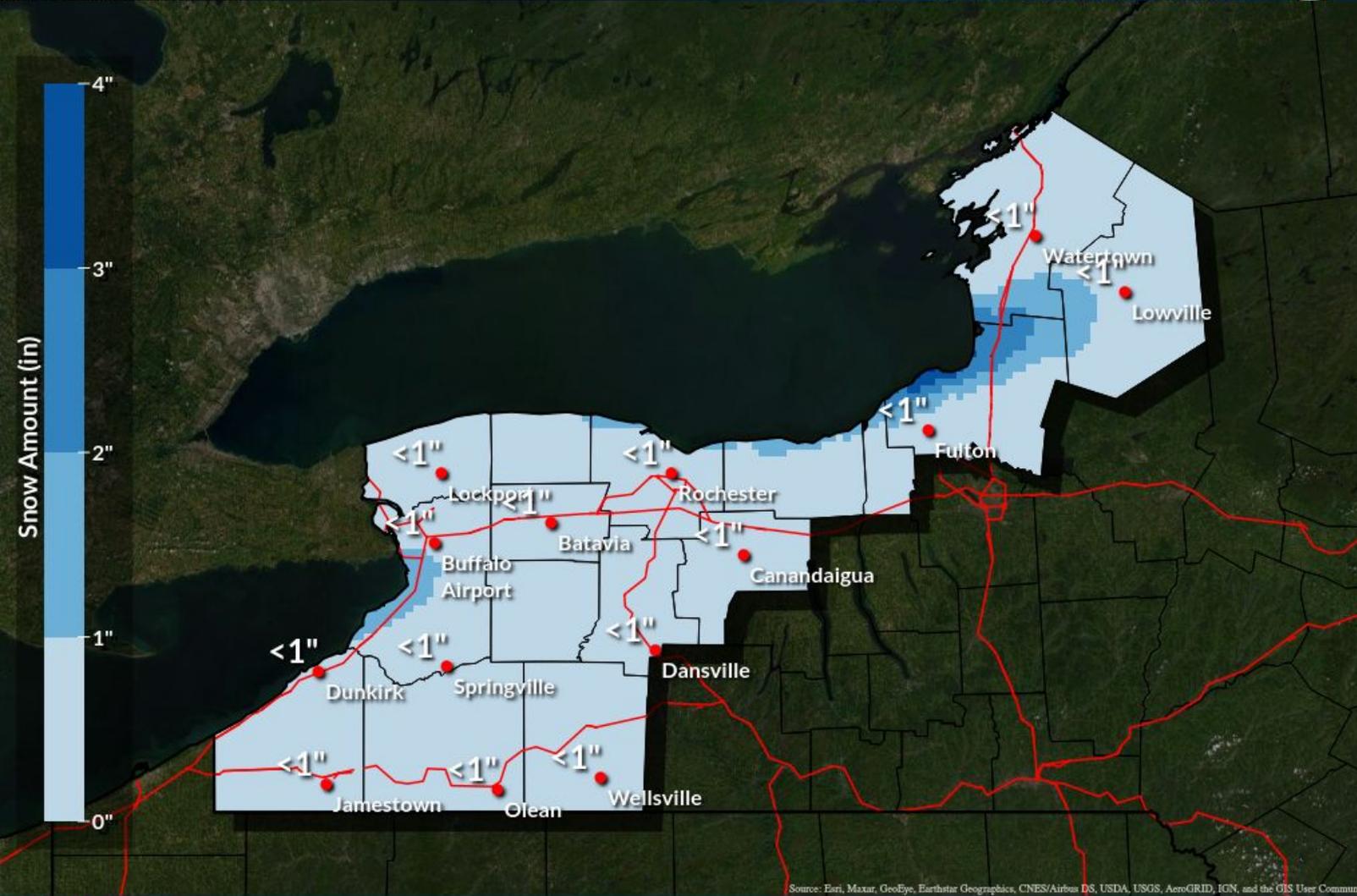
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Additional Snowfall Tonight

7PM Thursday to 4AM Friday

Weather Forecast Office
Buffalo, NY

Issued Jan 18, 2024 3:50 AM EST



NWSBuffalo

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- ❑ **Lake Erie:** another 1-3" near Buffalo early
 - ❑ **Maximum Snowfall Rate:** up to 1" per hour
 - ❑ **Band Motion:** expected to move from near Buffalo back over Lake Erie and end during the evening

- ❑ **Lake Ontario:** another 2"-4" in the most persistent lake snows across southern Jefferson County and possibly the Oswego County shoreline
 - ❑ **Maximum Snowfall Rate:** 1-2" per hour
 - ❑ **Band Motion:** expected to move south across Jefferson County early, possibly brushing the Oswego County shoreline overnight



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National Weather Service
Buffalo, NY



Widespread Accumulating Snow Friday

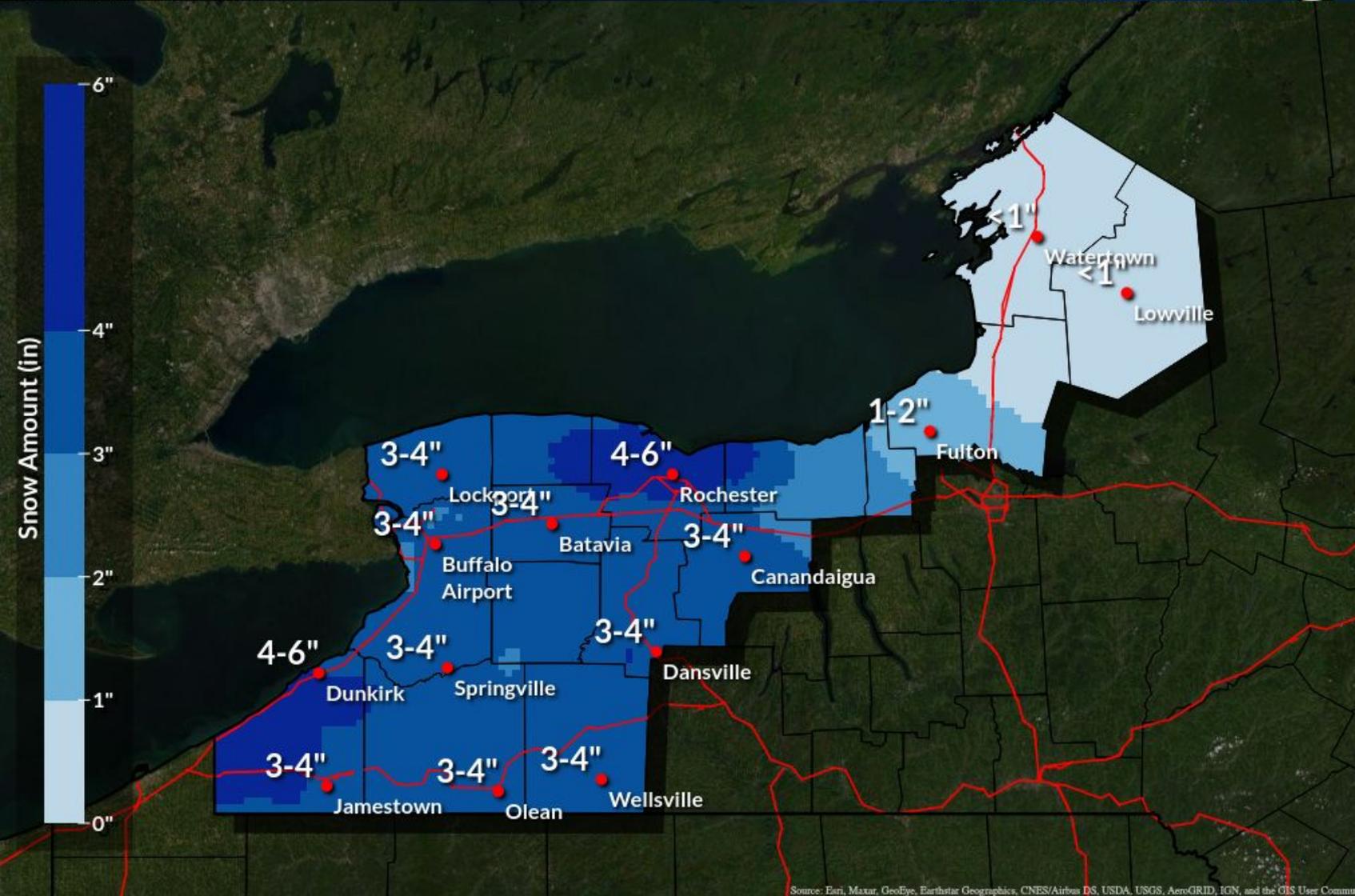
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Forecast Snowfall Friday Through Friday Night

4AM Friday to 6AM Saturday

Weather Forecast Office
Buffalo, NY

Issued Jan 18, 2024 3:52 AM EST



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NWSBuffalo

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- ❑ 2-4" expected across most of Western and Central NY
- ❑ Localized lake enhancement may result in somewhat greater accumulation south of Lake Ontario, including the Rochester area
- ❑ Relatively low snowfall rates compared to the lake effect snow
- ❑ Snow covered, slippery roads and reduced visibility



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Buffalo, NY



Post Event Conditions - Weekend

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Minimum Wind Chill Forecast (°F)

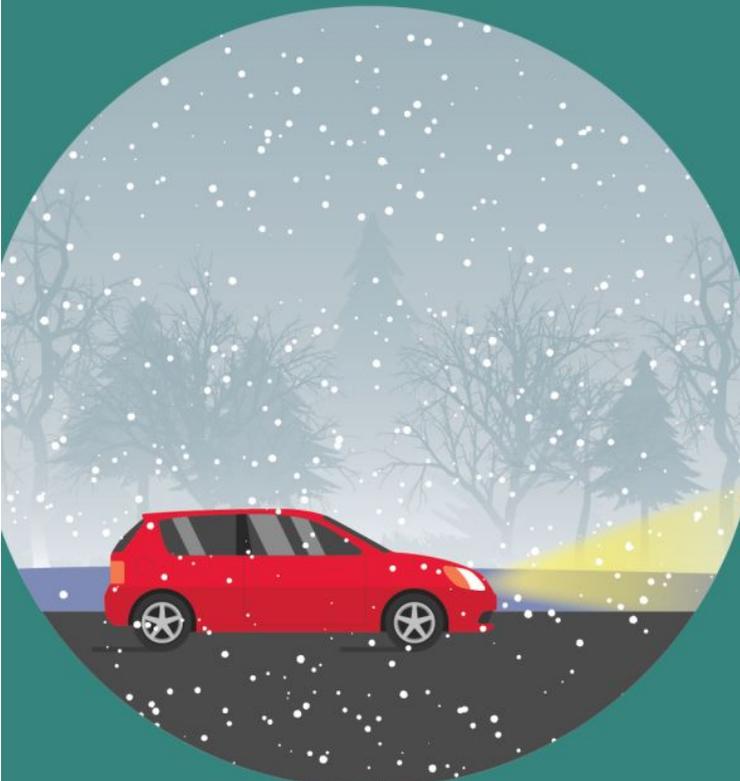
	1/18 Thu				1/19 Fri				1/20 Sat				1/21 Sun				1/22 Mon				1/23 Tue			
	12am	6am	12pm	6pm																				
Batavia	0	2	12	12	12	6	3	0	-3	-10	-10	-6	-2	-1	5	4	4	7	15	19	21	22	25	27
Buffalo	1	4	12	15	13	6	5	2	-2	-8	-8	-3	0	0	8	8	8	10	15	21	23	24	26	29
Canandaigua	4	8	14	16	14	9	5	2	-2	-5	-5	-5	-1	0	6	6	6	8	19	21	24	24	28	28
Dunkirk	7	10	14	14	15	14	10	5	1	0	-1	4	7	8	12	10	8	10	19	23	25	26	29	30
Fulton	4	6	12	16	13	8	4	0	-2	-6	-6	0	-1	0	6	9	7	9	18	21	21	23	27	26
Jamestown	0	4	9	11	11	10	7	1	-3	-7	-7	-2	1	3	8	1	0	1	15	18	19	21	26	27
Lowville	2	2	8	12	7	1	-2	-11	-13	-16	-11	-11	-14	-13	-1	1	1	4	14	15	17	19	24	22
Medina	0	2	11	16	12	6	4	1	-2	-8	-8	-3	0	2	8	7	6	10	15	20	22	23	26	26
Newark	6	8	14	16	14	10	6	2	1	-3	-4	-1	0	3	8	7	6	9	20	22	24	25	29	27
Olean	-1	4	11	11	11	11	7	0	-4	-8	-5	-4	-4	-1	7	2	0	1	17	18	19	20	26	27
Rochester	3	5	12	16	13	8	6	2	0	-6	-7	-2	0	2	8	7	6	9	18	21	23	24	27	28
Springville	0	4	9	11	11	8	4	0	-5	-10	-10	-6	-3	-2	5	2	1	4	14	18	20	20	24	26
Warsaw	0	5	11	11	12	6	4	-2	-5	-12	-12	-8	-4	-2	4	1	1	4	14	17	19	20	24	26
Watertown	5	6	12	13	3	-3	-2	-7	-9	-13	-10	-6	-11	-10	0	5	7	9	15	18	21	22	26	24
Wellsville	-2	2	10	11	11	11	8	-1	-6	-8	-7	-6	-5	-3	6	1	1	2	16	18	19	21	27	27



Created: 2 am EST Thu 1/18/2024 | Values are minimums over the period beginning at the time shown.

- ❑ Occasional light snow across Western and Central NY with minor additional accumulations Saturday
- ❑ Light lake effect snow showers will linger southeast of Lake Ontario and Lake Erie Saturday night and Sunday before gradually ending by Sunday evening
- ❑ Cold temperatures
 - ❑ Highs Saturday in the teens
 - ❑ Lows Friday night and Saturday night single digits to low teens
 - ❑ Wind chills below zero Friday night through Saturday night





Winter Driving

Slow down and use caution if you must travel during this upcoming winter storm as road conditions can change quickly. Before you travel, pack a winter survival kit for your vehicle. If possible, consider altering your travel plans.



weather.gov

- ❑ **Travel will be extremely difficult in lake effect bands...**
- ❑ **What to expect**
 - ❑ Heavy snow
 - ❑ Whiteout conditions in lake bands
- ❑ **Travel impacts**
 - ❑ Driving conditions will be difficult at times, and impossible within the band
 - ❑ If you absolutely have to travel, consider altering your travel plans to avoid driving through a lake effect band...



Summary of Greatest Impacts

January 18, 2024

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- **Heavy Lake Effect Snow** continues today northeast of Lake Erie and Lake Ontario
 - Snowfall rates 1-2” possible today off Lake Erie, and 3-4” per hour possible today off Lake Ontario
 - Travel will be very difficult in the bands with deep snow cover on roads and very poor visibility
- Winds will be lighter today, and very light tonight with blowing and drifting snow no longer a concern in most areas
- Widespread accumulating snow arrives very late Thursday night and continues through Friday night with light to moderate accumulations across all of Western and Central NY





Contact and Next Briefing Information

January 18, 2024
4:01 AM

For Western and North Central New York

Contact Information

Web

→ weather.gov/buf

Phone

→ (716) 565-0204

Email

→ bufstorm.report@noaa.gov

Facebook

→ facebook.com/NWSBuffalo

Twitter

→ [@NWSBUFFALO](https://twitter.com/NWSBUFFALO)

Next Briefing

- By 7 AM Friday, January 19, 2024
- Method: Email

Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 7 AM Friday January 19, 2024

