



## Neowather Weather Consulting Forecast Analysis

By: Mark Spencer

*Neowather Forecaster*

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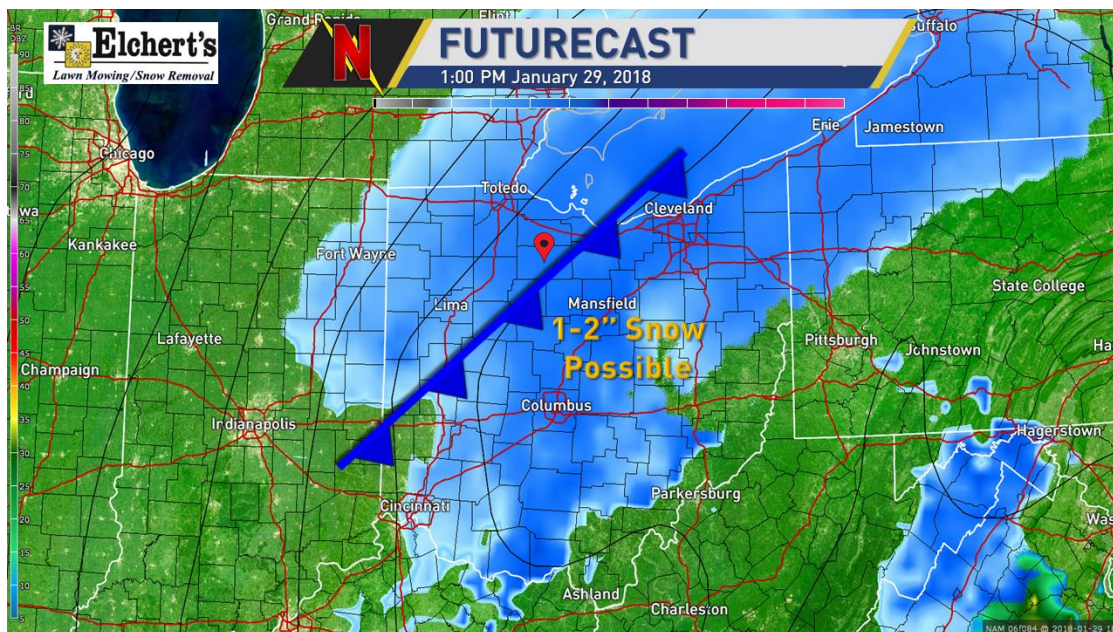
### **PATTERN SHIFT BRINGS SNOW & COLD BACK TO AREA**

We'll begin to see the effects of a pattern shift this week as colder air makes a return to the area. Snow is also in the forecast and we're tracking a potentially significant storm system that could impact the area later in the week.

#### **Forecast for the Week**

**Sunday:** Expect mainly sunny skies with highs around 40. Clouds will then increase overnight ahead of a clipper system, with some snow possible by daybreak. Lows will be around 28.

**Monday:** Snow is likely as a clipper system moves through. Highs will be around 30 by mid to late morning but will fall into the 20s during the afternoon behind a cold front. 1-2" of snow is currently expected at this time. Additional details on this snow will follow in the next 24-36 hours. Snow ends by late afternoon. Overnight, expect partly cloudy skies as high pressure moves into the area. Lows will be around 17.



1: A clipper system moves through on Monday, bringing colder air and 1-2" of snow.

**Tuesday:** Mainly sunny and cold as high pressure moves through the area. Highs will be around 24. Expect clear skies overnight with a low around 20 but temperatures will begin to slowly rise into the middle 20s by daybreak.

**Wednesday:** Partly cloudy and windy with a south wind of 15-25 MPH. Gusts could top 30 MPH at times. This will help usher in some warmer air. Highs will be around 42. Clouds increase overnight with rain moving in after midnight ahead of a cold front. Some snow may mix in at times as lows fall to around 35.

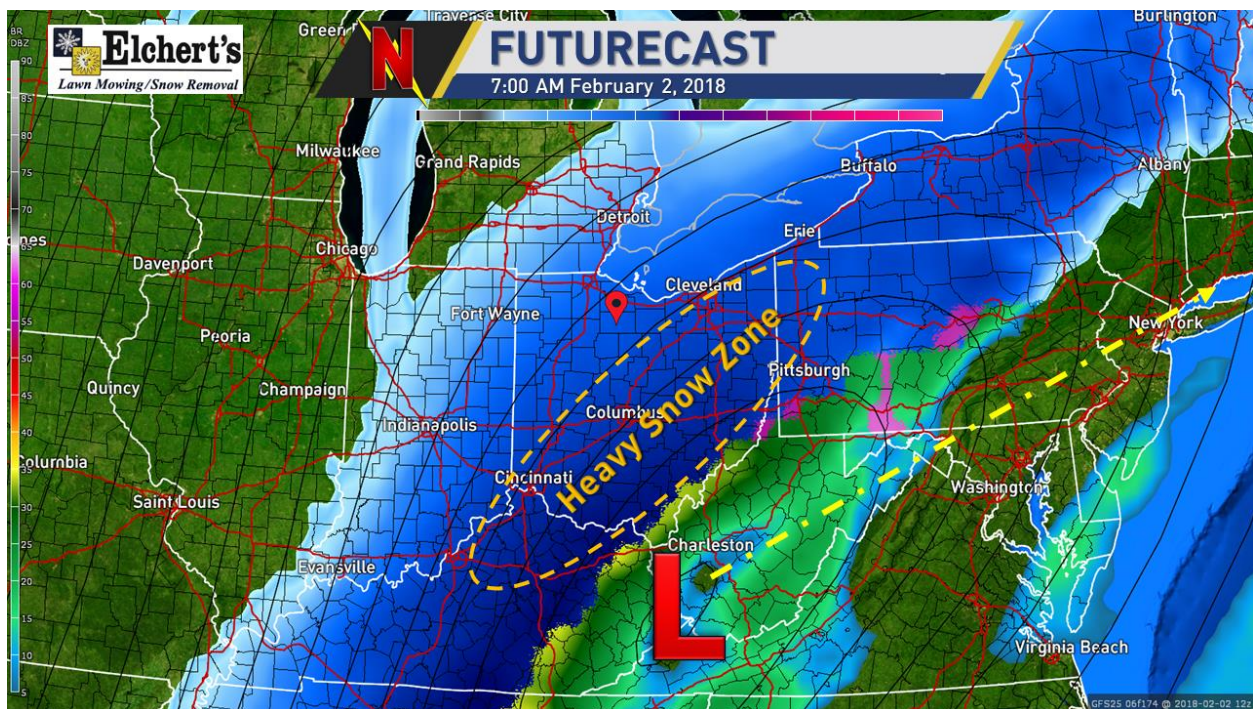
**Thursday-Friday:** First, please note that there is not much model agreement on this system and its very likely things will change as this system comes into better view early in the week. One model brings a weak system through with just rain and perhaps a little snow through the area before clearing out. Another model (image follows) shows a very potent storm system moving through Ohio through Friday. This could bring several inches of snow to the area.

For Thursday, rain will continue during the morning as the cold front that moved into the area Wednesday night stalls out. A strong low pressure system will then move along that front, forcing precipitation northward into the area as snow late in the afternoon and early evening hours. Highs will be around 37, but slowly fall during the afternoon.

Snow then continues overnight as the low begins to pass across the Ohio River valley. Lows will be around 23. At least a few inches of snow is possible Thursday night.

For Friday, snow will continue as the system rapidly strengthens and moves toward the East Coast. We'll also see colder air move into the area and wrap-around moisture that will bring additional snow to the area through early Friday evening. Highs will be around 24, with gradually falling temperatures through the day. Additional accumulations are possible. Currently, the heaviest snow looks to remain just southeast of the area however, if the low tracks slightly further north and west, the area will see higher snow totals. Snow gradually tapers off Friday night with lows around 14.

It's too soon to try and forecast snowfall accumulations as the forecast will likely change. However, this model has been consistent with this particular scenario. If this continues or we have better model agreement early next week on this system, several inches of snow are certainly possible.



2: Just one model scenario for a very potent low pressure system moving across the Ohio River valley. This would spread snow into all of Ohio, with the heaviest snow just southeast of the area.

**Saturday:** Mainly cloudy with a high around 15-20. Models are not consistent with a clipper system moving through Saturday night and into Sunday. If this can pan out, light snowfall accumulations are possible.

## **Long Range**

We'll see a major swing in the overall pattern as the jet stream moves into a more favorable position for storms to move through the Ohio Valley in early February. We'll also see several shots of cold air rotate through the region as well. This looks to make for an active first half of February with the possibility of several storm systems bringing snow to the area. Another storm with additional snow is also possible Sunday night into Monday as a low pressure system tracks just north of Ohio. It's too soon for many details on this storm as we'll want to wait for the late week storm to move through first.