



## Complex Winter Storm this Weekend

### Strong Winter Storm this Weekend

#### Breakdown of Changing Weather Hazards:

Friday Night	Saturday	Saturday Night	Sunday
			
<ul style="list-style-type: none"> <li>✓ Freezing Rain and sleet, changing to rain</li> <li>✓ Light glazing of ice possible</li> <li>✓ Rising temperatures</li> </ul>	<ul style="list-style-type: none"> <li>✓ Widespread Rain</li> <li>✓ A few thunderstorms</li> <li>✓ .5 to 1 inch of rain may lead to local flooding</li> </ul>	<ul style="list-style-type: none"> <li>✓ Rain Changing to Snow</li> <li>✓ Light snow accumulations possible north</li> <li>✓ Increasing winds cause blowing and drifting snow</li> </ul>	<ul style="list-style-type: none"> <li>✓ Very Windy: 25 to 35 mph <i>Gusts around 50 mph!</i></li> <li>✓ Areas of blowing snow</li> <li>✓ Near Blizzard conditions possible</li> </ul>



National Weather Service Quad Cities, IA/IL

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#### Key Points:

- Winter storm to bring multiple hazards including freezing rain, heavy rain and flooding, snow, blowing snow and strong winds
- Worst conditions for travel late Friday night and especially Saturday night and Sunday
- Winter weather headlines will likely be issued as confidence in the system's timing and track increases



## Potential Ice Accumulations Friday Night

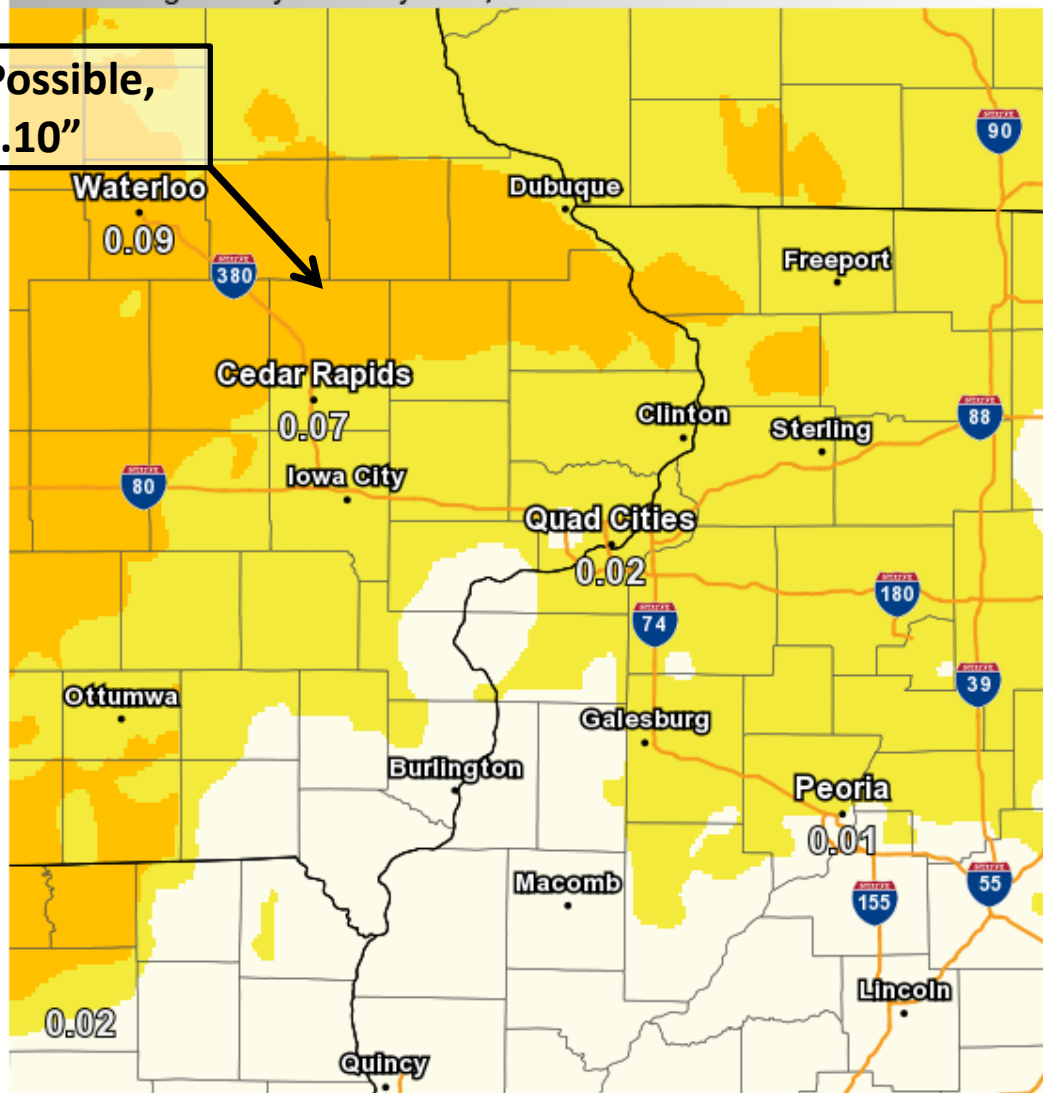
### Ice Accumulation Forecast



Valid Ending Sunday February 24th, 2019 at 6 AM CST

**Glazing of Ice Possible,  
Less than 0.10"**

- 0.01 to 0.10 inch
- 0.10 to 0.25 inch
- 0.25 to 0.50 inch
- 0.50 to 0.75 inch
- 0.75 to 1.0 inch
- 1.0 to 2.0 inch
- Greater than 2.0 inch



Graphic Created  
February 21st, 2019  
9:03 PM CST

- Freezing rain and sleet developing Friday night may lead to ice accumulations up to one tenth of an inch
- This may lead to rapidly deteriorating travel



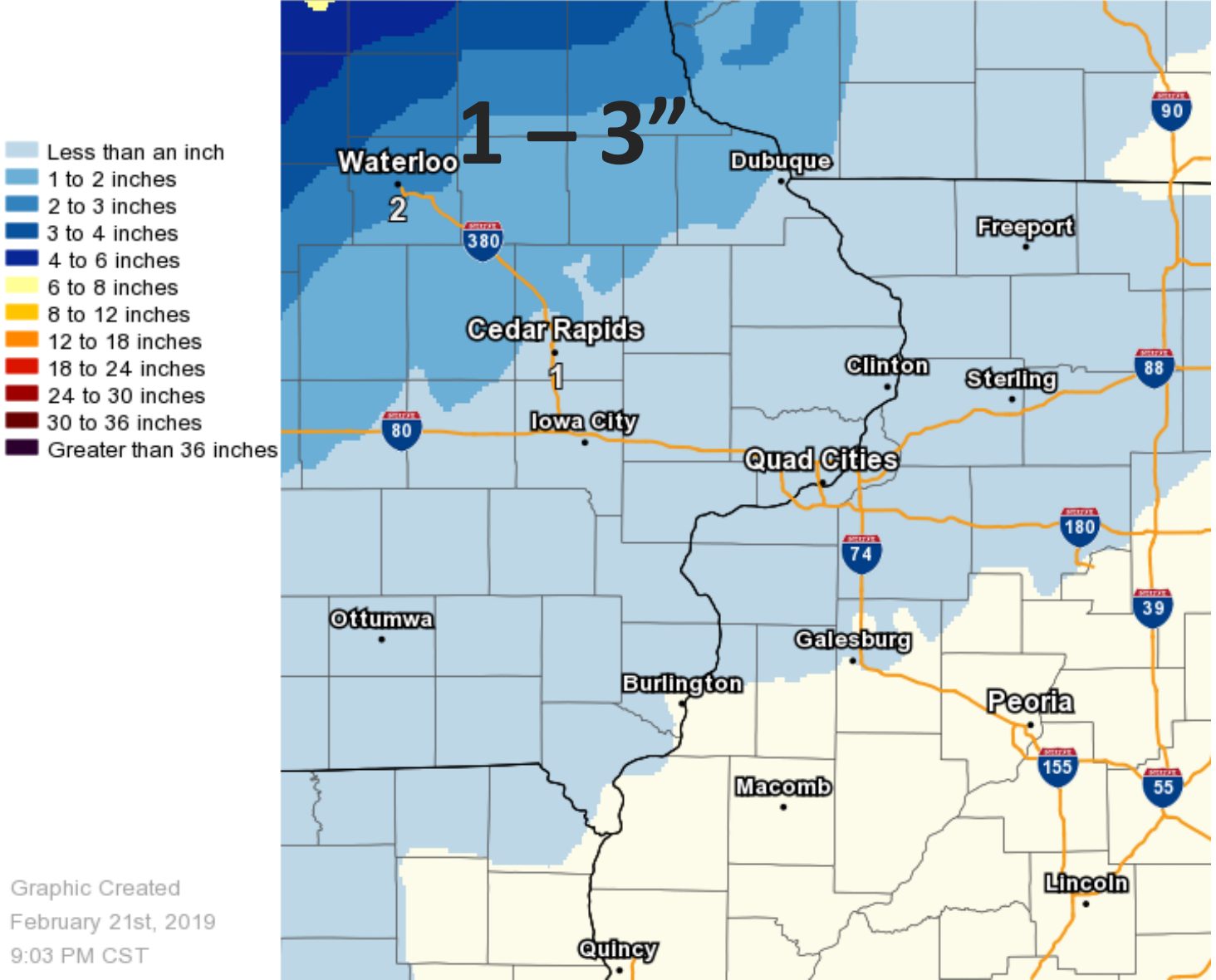


## Potential Snow Accumulations Saturday Night

### Forecast Snowfall

National Weather Service

Valid Ending Sunday February 24th, 2019 at 6 AM CST

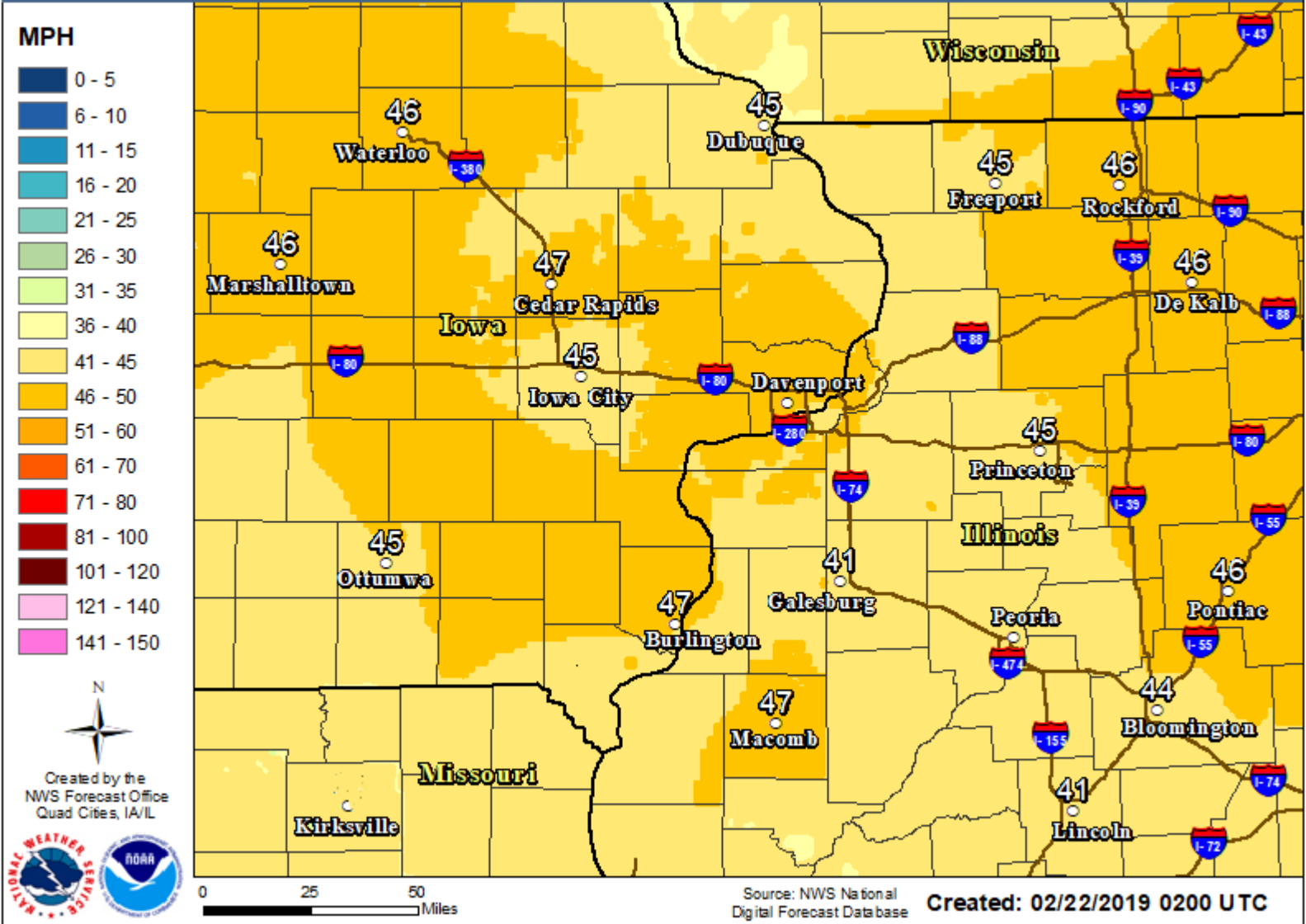


- Rain will change to snow overnight from northwest to southeast
- Accumulations of 1 to 3 inches possible northwest of a Cedar Rapids to Dubuque line
- Strong winds of 20 to 30 mph, with gusts to 45 mph may lead to blowing and drifting snow.



## Very Strong Winds Sunday

Maximum Wind Gust - Through February 24, 2019 7:00 PM ET



- Northwest winds from 25 to 35 mph are expected with gusts to 45 mph likely
- Some gusts over 50 mph possible
- Accumulating snow ends early, but fresh snow and strong winds may lead to near blizzard conditions in open country
- Travel will become hazardous due to strong winds, areas of poor visibility and slick roads



## Key Points:

- Strong winter storm to bring multiple hazards through the weekend
- Winter weather headlines will likely be issued
- Worst travel conditions expected late Friday night and Saturday through Sunday

### Winter Weather Quick Facts and Preparedness:



#### *Quick facts you should know about winter weather:*

- Snow can occur at temperatures as high as 46 degrees if conditions are right.
- The record for most snowfall in the Lower 48 in a 24 hour period is 75.8" at Silver Lake, Colorado in 1921.
- Blizzard conditions are met when visibility in falling and blowing snow reaches ¼ mile or less and sustained wind speeds of 35 mph or greater occur for 3 hours or more.
- As little as 1/16" of ice can begin to impact roadways and sidewalks.
- As the wind increases, the body is cooled at a faster rate. The "wind chill" is a way for meteorologists to communicate what the combination of wind and temperature "feels like" to exposed skin.

#### **Preparedness:**

- A **Winter Storm Watch** is issued when conditions are favorable for significant winter weather and/or blizzard conditions. *Time to prepare!*
- A **Winter Storm Warning** is issued when a combination of heavy snow, blowing snow, and possibly ice mixed with snow is expected to impact the area. *Time to act!*
- A **Blizzard Warning** is issued when the combination of strong wind, low visibility, and heavy snow will significantly impact daily life.

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## Building a Weather-Ready Nation