



# Winter Weather Highlights

January 5, 2022  
5:56 AM

## Warning Details



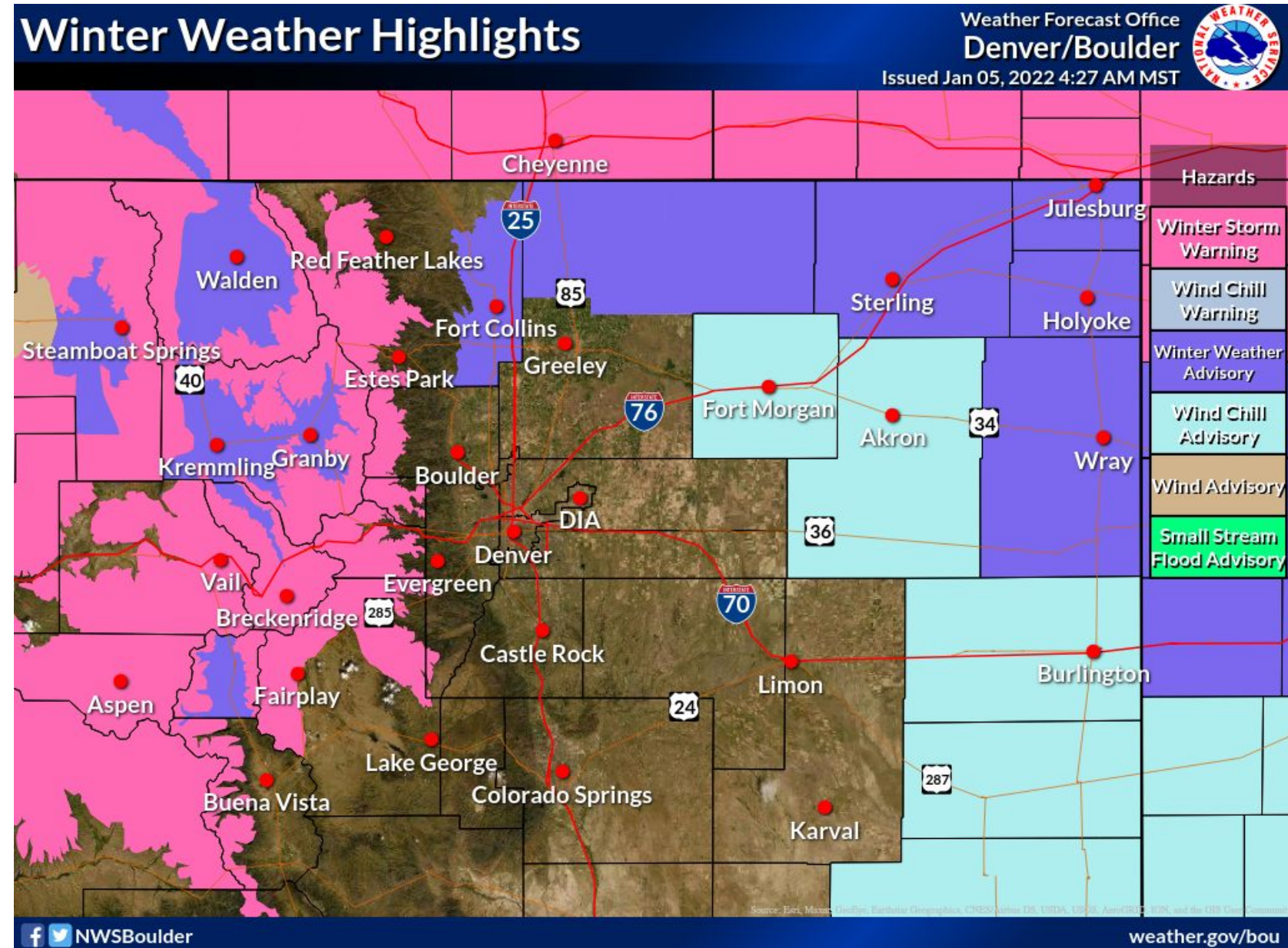
**Winter Storm Warning** in effect for north central mountains near Rabbit Ears Pass and I-70 Mountain Corridor until 12 PM Thursday.

**Winter Weather Advisory** in effect for parts of the valleys until 12 PM Thursday & parts of the eastern plains until 3 AM Thursday.

**Wind Chill Advisory** in effect for parts of the eastern plains 11 PM Wednesday to 8 AM Thursday morning.

## Quick Forecast

- Moderate snowfall will continue in the mountains through Thursday evening. Total accumulations of 12-36" along the northwestern peaks near Park, Front and Gore Ranges. 8-16" over the I-70 Mountain Corridor.
- Plains and urban corridor will receive light snowfall Wednesday afternoon and night with 1 to 4 inches possible.



## Current Warnings, Watches, and Advisories



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

National Weather Service  
Denver, CO





# Snowfall Amounts, Timing, Impacts

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## Forecast Confidence Levels

### Timing

Low

Medium

High

Plains & foothills snow begins Wednesday evening. Mountain snow through Thursday evening.

### Snow Amounts

Low

Medium

High

Total snowfall up to two feet mountains; 3-5" in/next to foothills, 1-4" urban corridor; 2-6" plains.

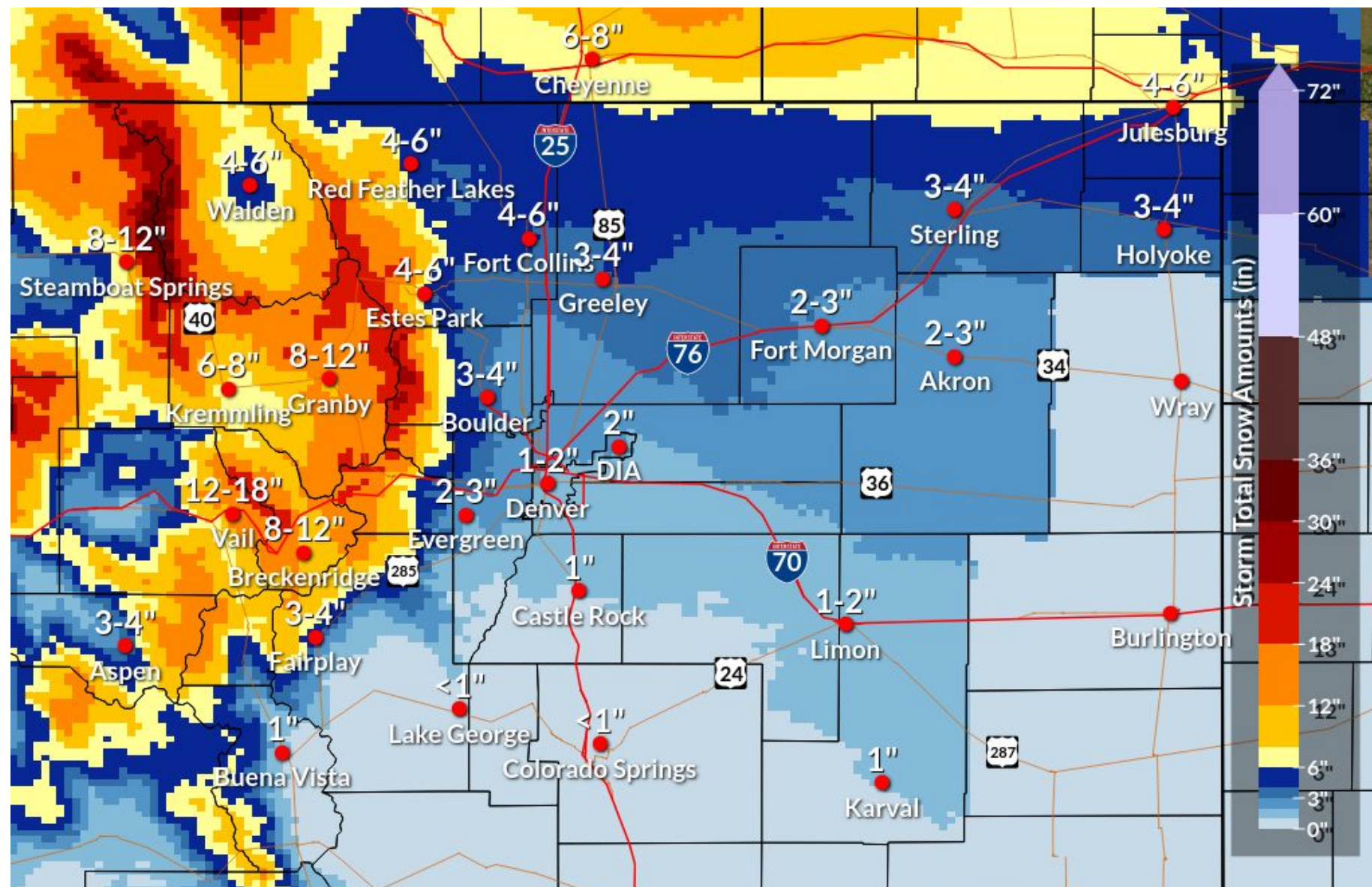
### Travel Impacts

Low

Medium

High

Slippery roads. Worst travel conditions in the mountains.



### Additional Snowfall Amounts



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

National Weather Service  
Denver, CO





# Cold Wind Chills

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## Key Points:



A **Wind Chill Advisory** is in effect for parts of the eastern plains starting 11 PM Wednesday until 8 AM Thursday morning.



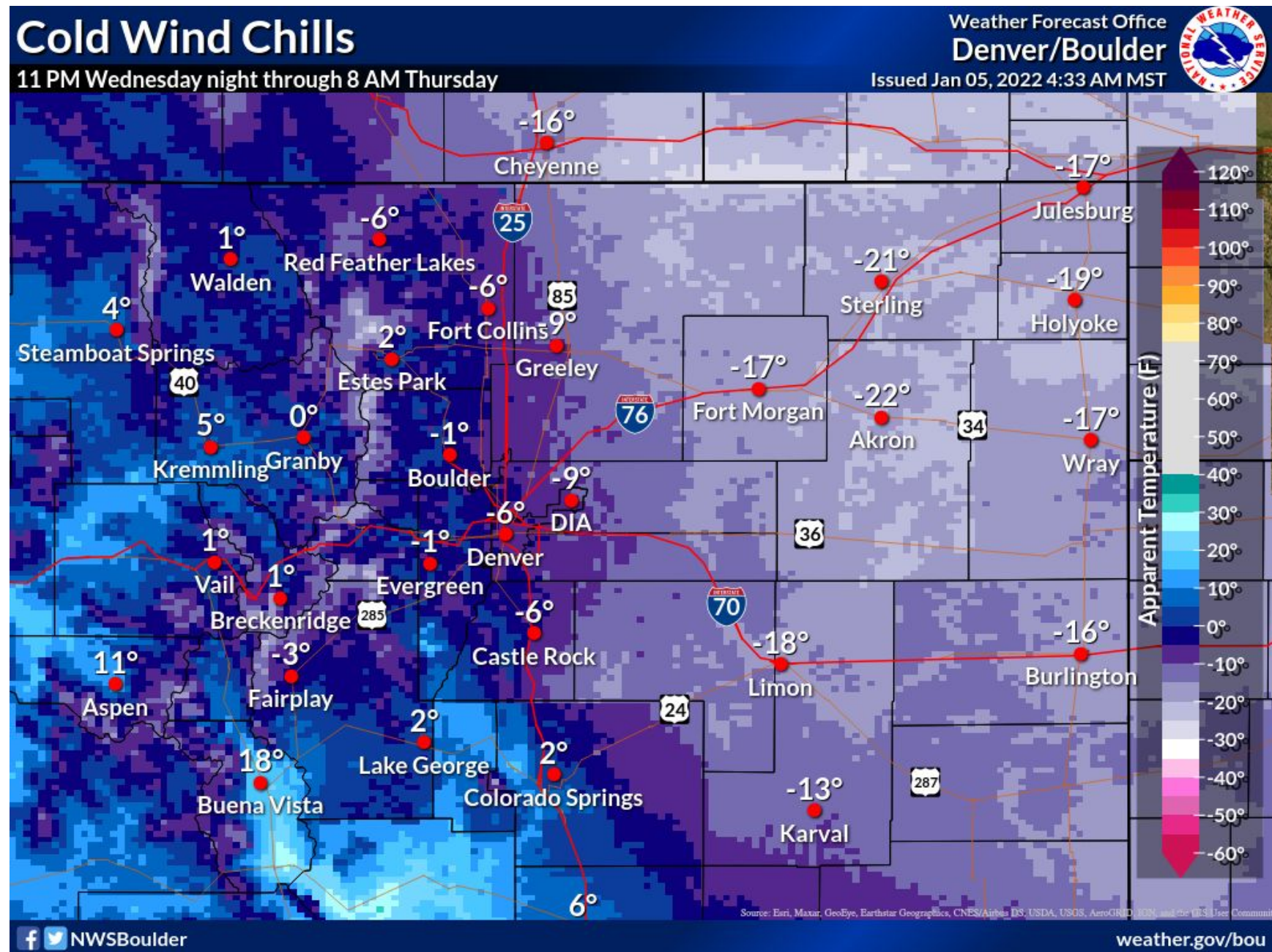
The combination of wind and cold temperatures will create dangerously low wind chill values.

## Impacts:



DRESS IN  
WARM LAYERS

Exposed skin may become quickly frostbitten or frozen. The dangerously cold wind chills could cause frostbite on exposed skin in as little as 30 minutes.



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

National Weather Service  
Denver, CO



# Weather Impacts

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## Graphical Hazards Matrix

	Wed 6 PM-12 AM	Thu 12 AM-6 AM	Thu 6 AM-12 PM	Thu 12 PM-6 PM
Denver				
Fort Collins				
Foothills				
Mountains				
Plains				

### - About This Graphic -

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

Potential aggravating factors such as time of day, pre-existing conditions, and holiday travel periods are also taken into consideration.

Impact Level	Little/None	Limited	Elevated	Significant	Extreme
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# Safety Information

Always dress appropriately!

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## Wind Chill Chart



		Temperature (°F)																		
		Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
Wind (mph)	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63	
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72	
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77	
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81	
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84	
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87	
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89	
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91	
	45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93	
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95	
	55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97	
	60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98	

Frostbite Times

30 minutes

10 minutes

5 minutes

Wind Chill (°F) = 35.74 + 0.6215T - 35.75(V<sup>0.16</sup>) + 0.4275T(V<sup>0.16</sup>)

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01

### Winter Storm Warning

Dangerous winter weather is expected within the next **12 to 36 hours** or is occurring. **Considerable travel problems** are expected.

take action.

### Winter Weather Advisory

Potentially dangerous winter weather is expected within the next **12 to 36 hours** or is occurring. **Travel difficulties** are expected.

be aware.





# County Information

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