

Severe Weather Likely Today

Atmosphere Favorable For Significant Severe Weather Impacts

Bottom Line Up Front:

- Large hail, damaging winds, and tornadoes are all possible
- Peak storm intensity between 4-8 pm
- Initial storm development will favor storms that produce large hail and possibly tornadoes (EF-2+ also still possible)
- If storms quickly merge into a line, then damaging winds are going to be more of a concern, along with brief tornadoes

What has changed:

- Increase in storm coverage in southeast WI
- Increasing potential in damaging wind in SE WI
- Lake Michigan 'marine layer' may not be as far inland as shown yesterday



Event Timeline				
2 PM to 4 PM	4 PM to 8 PM	After 8 PM		
Initial storm development	Peak storm coverage and intensity	Storms reach Lake Michigan		
Large to very large hail, tornadoes	All severe hazards Peak Intensity	Hazards Ending		



Severe Thunderstorm Risk Today

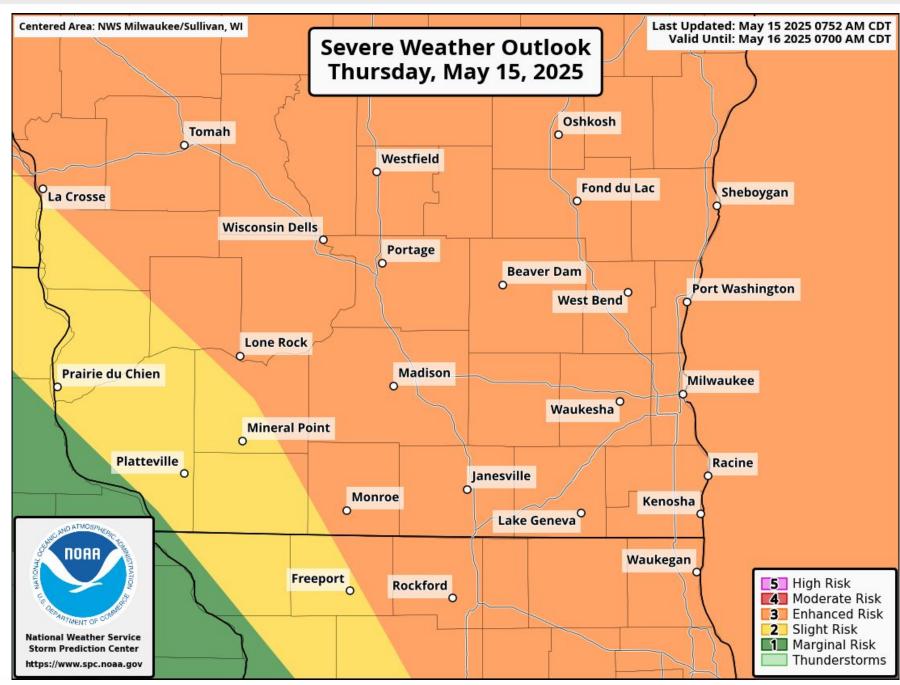
All Hazards Possible: Large Hail, Damaging Winds, Tornadoes

Bottom Line Up Front

- → Numerous storms producing large hail (over egg sized) looks very likely
- → Tornado risk: Mainly short lived tornadoes, but can't rule out an EF-2+
- Quick moving system, not expecting flooding

Statewide Timing

	Today 2-4pm	
Beginning	West Central Wisconsin	
Peak	4pm to 8pm	
Ending	By 9pm (Earlier West)	







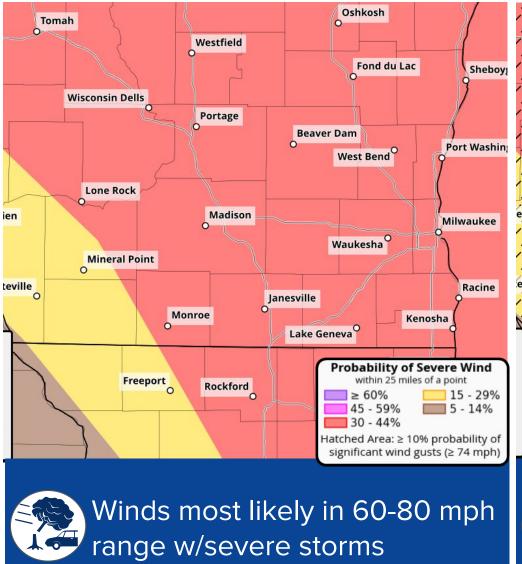
All Severe Hazards Possible

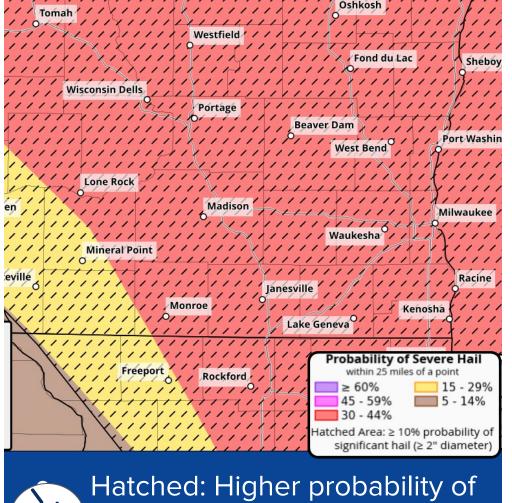
'Hatched' areas mean a higher end hazard type

Damaging Wind Outlook

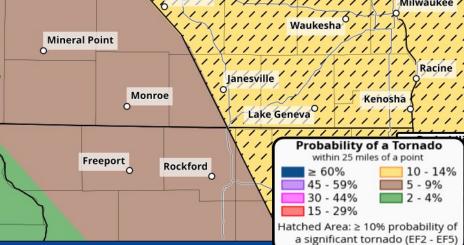
Damaging Hail Outlook

Tornado Outlook







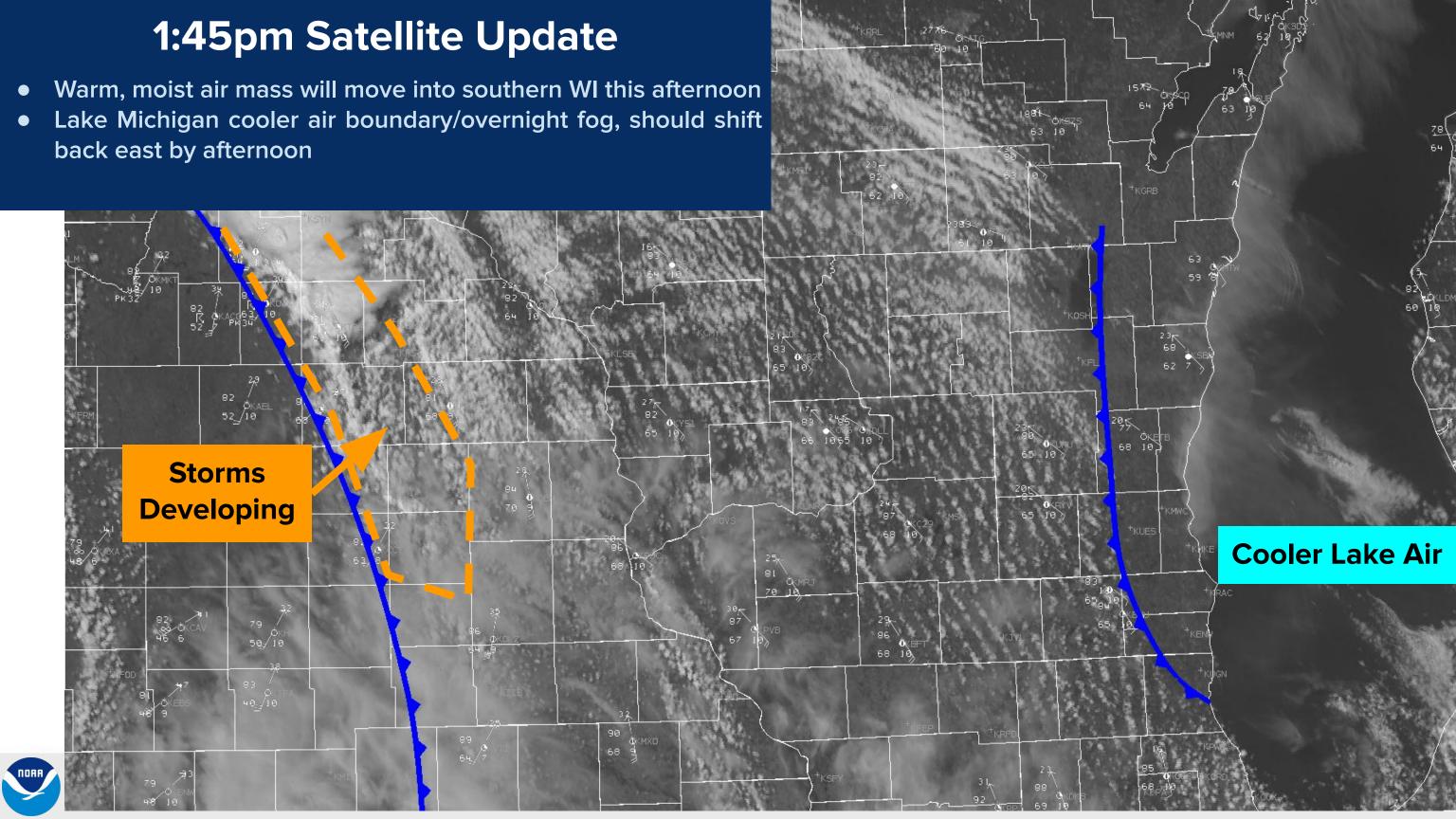




Hatched: Higher probability of an EF-2+ tornado

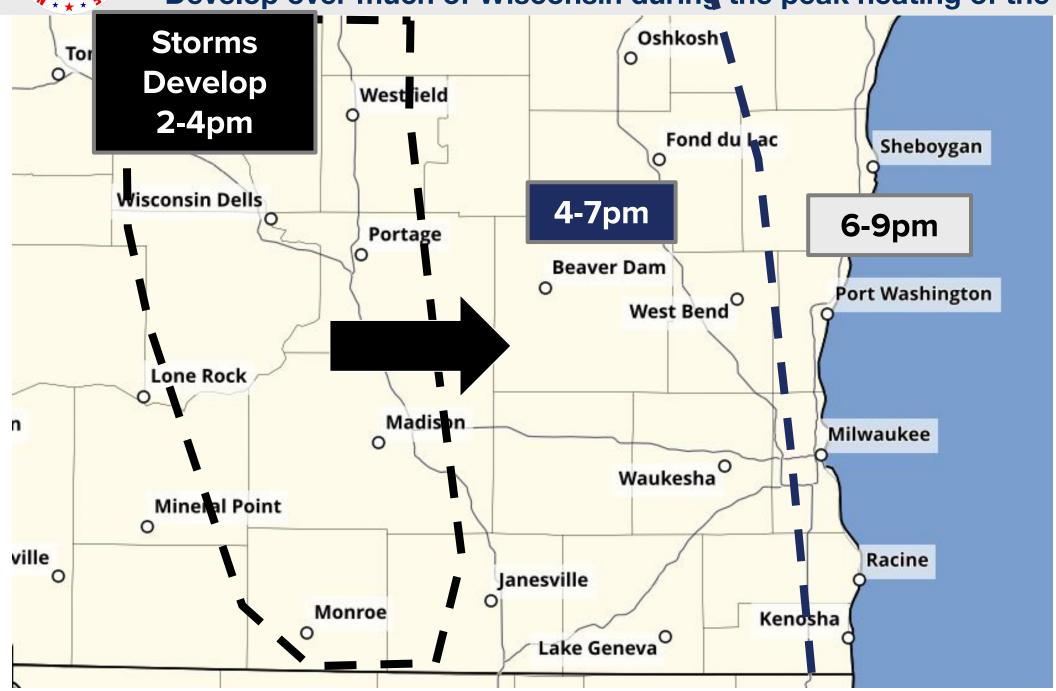
significant hail (Bigger than 2"/Eggs)





Timing Of Storms Today

Develop over much of Wisconsin during the peak heating of the day



Timing/Storm Mode

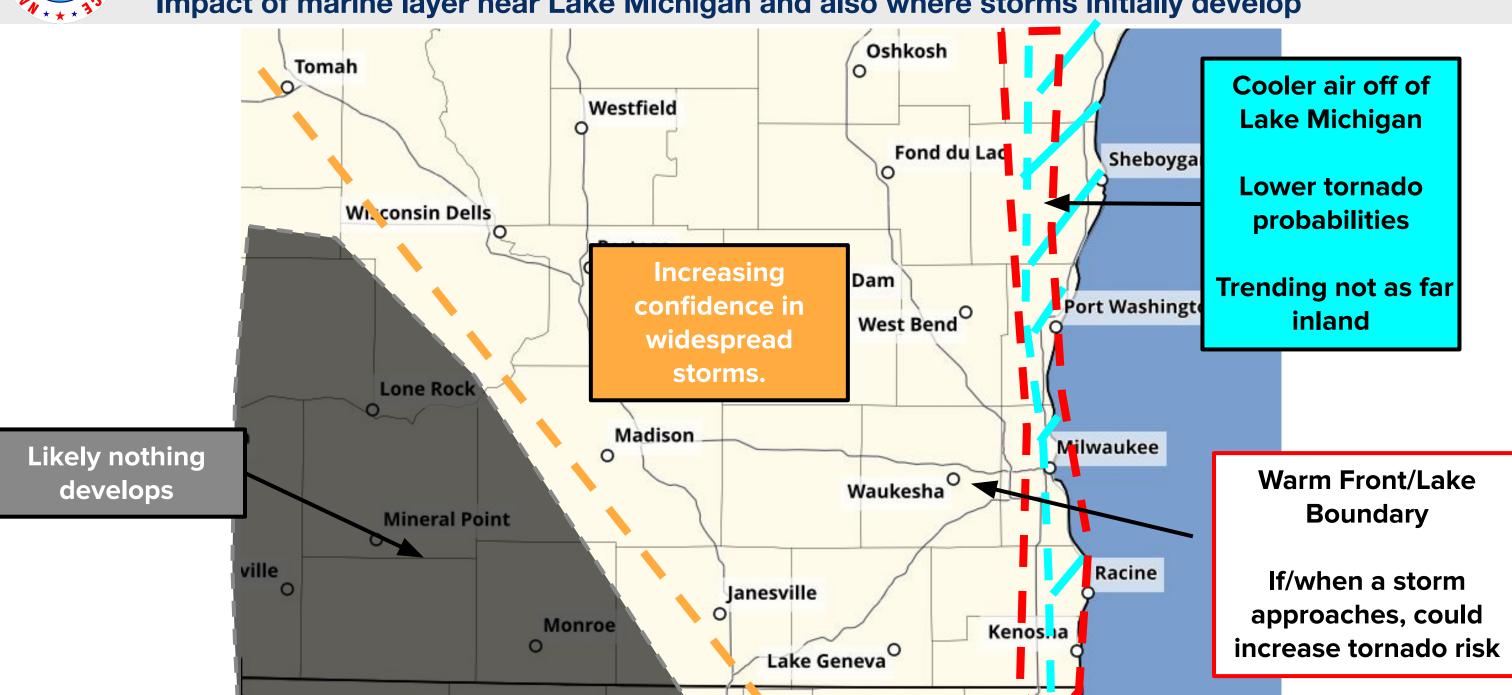
- 2-4pm: Storms develop in SW/SC WI. Initially isolated to scattered in coverage. Development will be quick. Large Hail/Tornado risk.
- 4-7pm: Storms rapidly increase in coverage from north to south. All hazards possible.
- 6-9pm: Line of storms should extend all the way along the Lake Michigan lakeshore. Increased chances of damaging winds, brief tornadoes.





Uncertainties/Trends

Impact of marine layer near Lake Michigan and also where storms initially develop



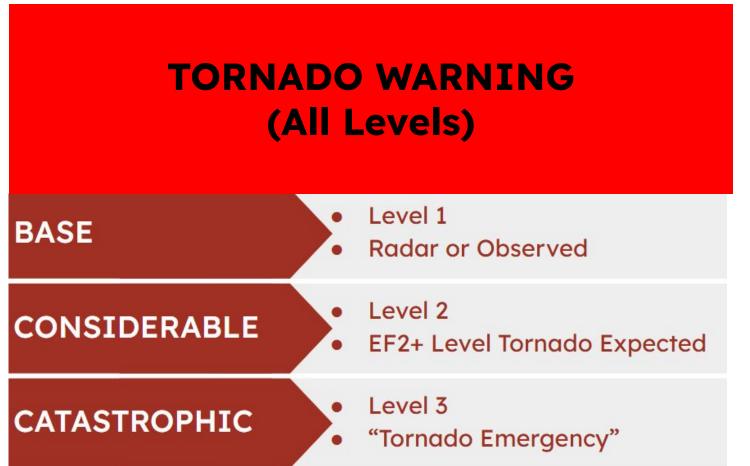


National Weather Service Wisconsin



Wireless Emergency Alert Levels

What level of Warning triggers the alerts



SEVERE THUNDERSTORM WARNING (Level 3)

BASE	Level 158 mph winds/1" Hail	
CONSIDERABLE	 Level 2 70 mph winds/1.75" (Golf Ball) He 	ail
DESTRUCTIVE	Level 380 mph winds/2.75" (Baseball) H	ail