



Severe Weather Expected Today

September 17, 2024

5:01 AM

Enhanced Risk (Level 3/5) for portions of Southeast WY & Western NE

Key Points:

- A strong cold front will push across southeast Wyoming and western Nebraska this afternoon and evening.
- A line of strong to severe storms in the form of a Derecho is expected to form along the cold front. The main concern with this line will be strong to potentially damaging winds, **with gusts over 75 MPH possible**. Highest confidence of this occurring is in western NE.
- Windy conditions will likely persist behind the front, with **High Wind Watches and Warnings** in effect for portions of southeast Wyoming.

Severe Threats



Tornado



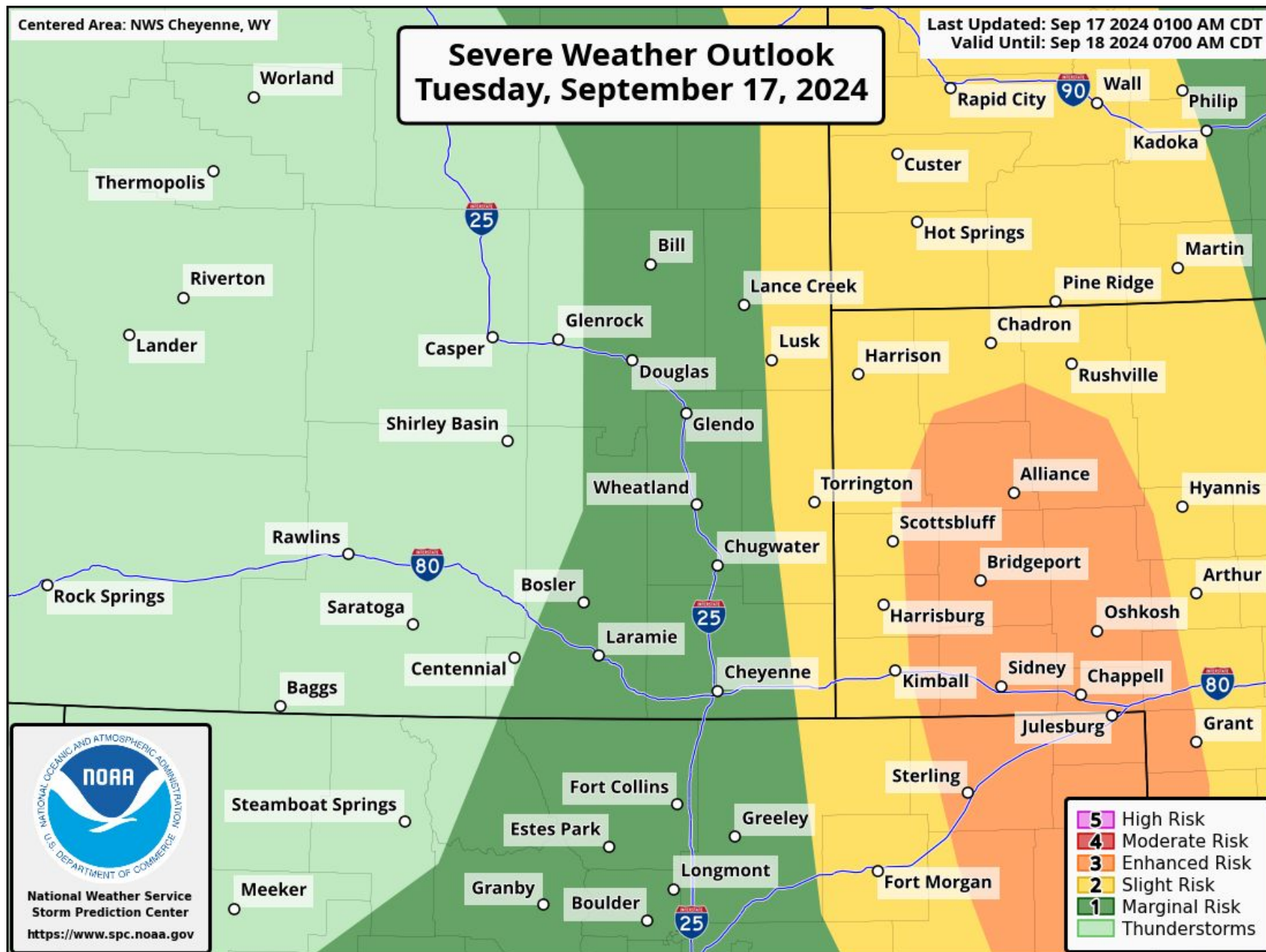
Hail



Wind



Flooding



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

National Weather Service
Cheyenne, Wyoming

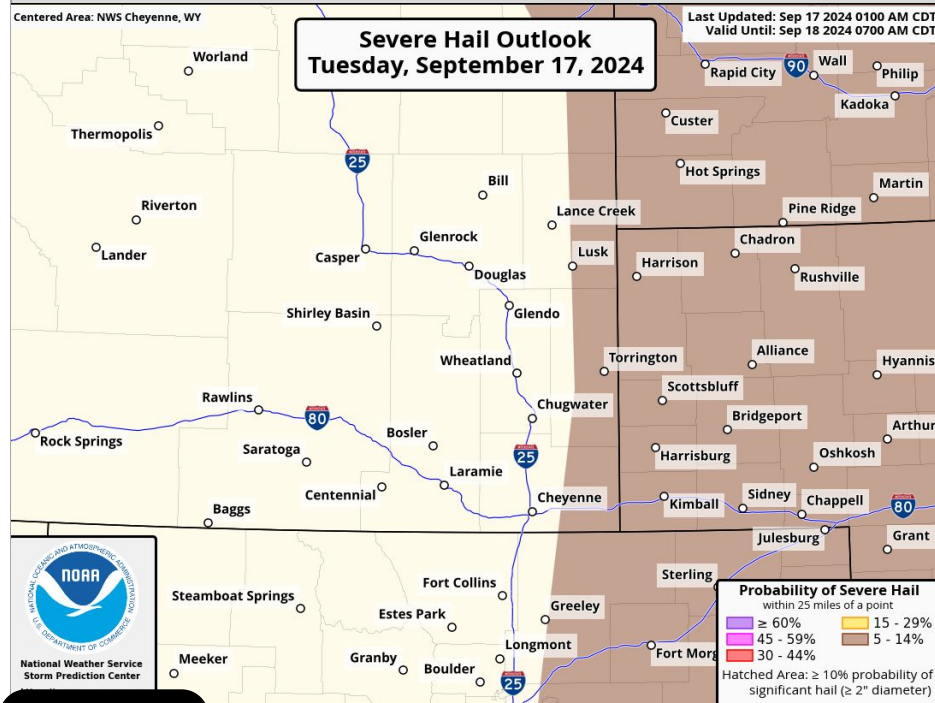


Severe Weather Hazards

September 17, 2024
5:01 AM

Probabilities of Each Severe Weather Element

Large Hail



5%

15%

30%

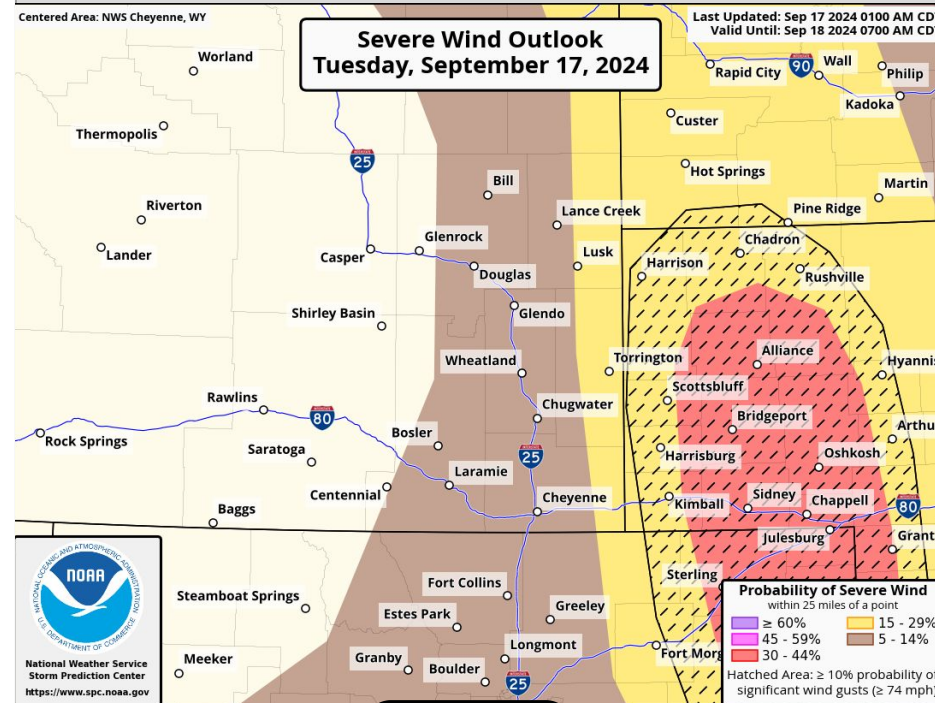
45%

60%

Hazard: Sub-Severe Hail Possible

Potential Impacts: Minimal damage to vehicles, homes, property. Agricultural damage possible.

Damaging Winds



5%

15%

30%

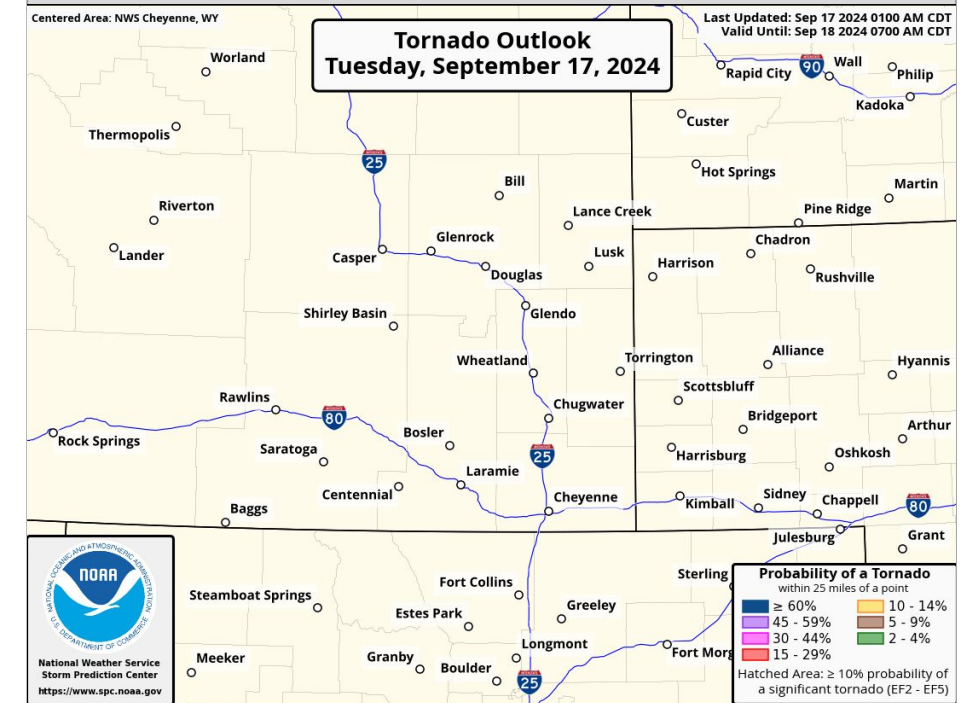
45%

60%

Hazard: 70+ MPH Winds

Potential Impacts: Tree damage possible, power line damage possible, minor shingle damage possible, outdoor furniture and loose object blown around, crop damage possible near the strongest storms.

Tornado



2%

5%

15%

30%

45%

60%

Hazard: Tornadoes Unlikely

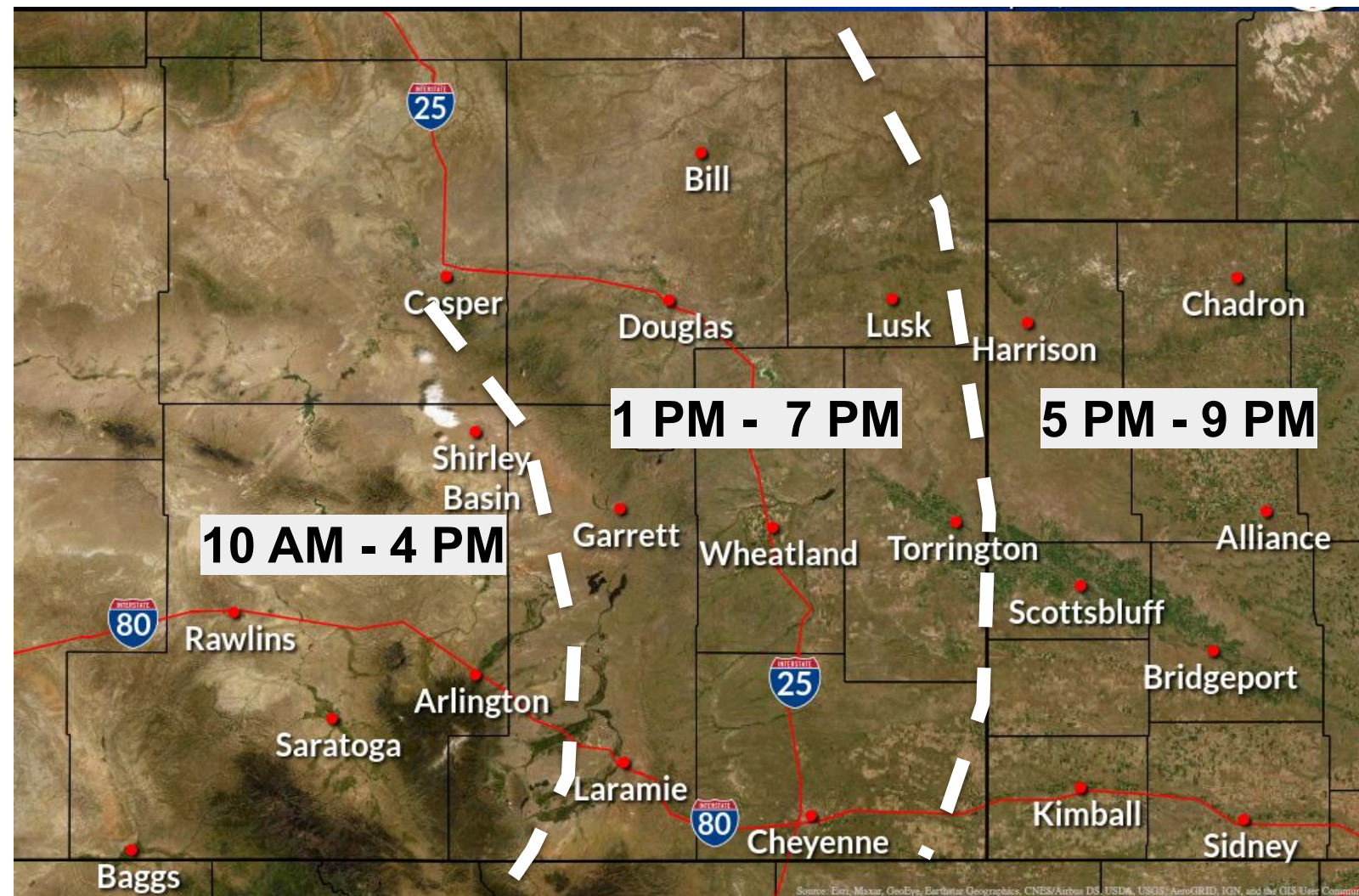
Potential Impacts: Property damage or destruction.



Severe Weather Hazards & Timing

September 17, 2024
5:01 AM

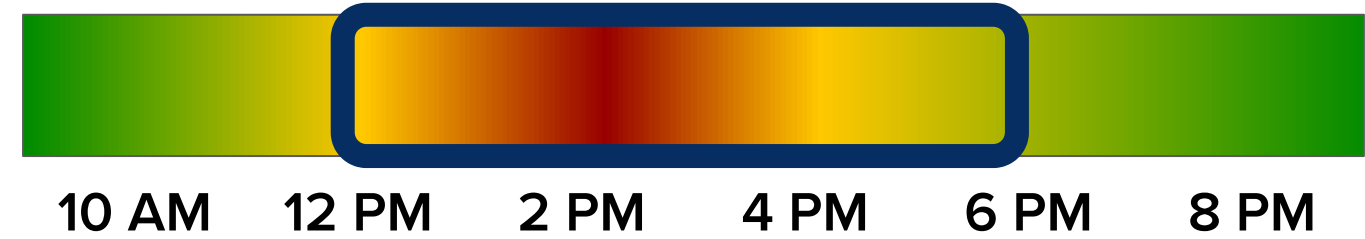
A Closer Look at What's Expected and When It May Occur



Impact Level

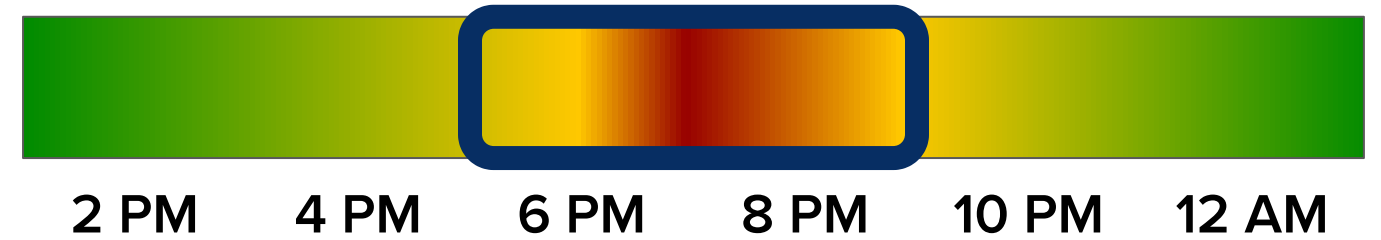


Severe Weather Timing in SE Wyoming



Main window for strongest storms in SE Wyoming will be from 12 PM through 6 PM Tuesday afternoon

Severe Weather Timing in NE Panhandle



Main window for strongest storms in the Nebraska Panhandle will be from 5 PM through 9 PM Tuesday evening.

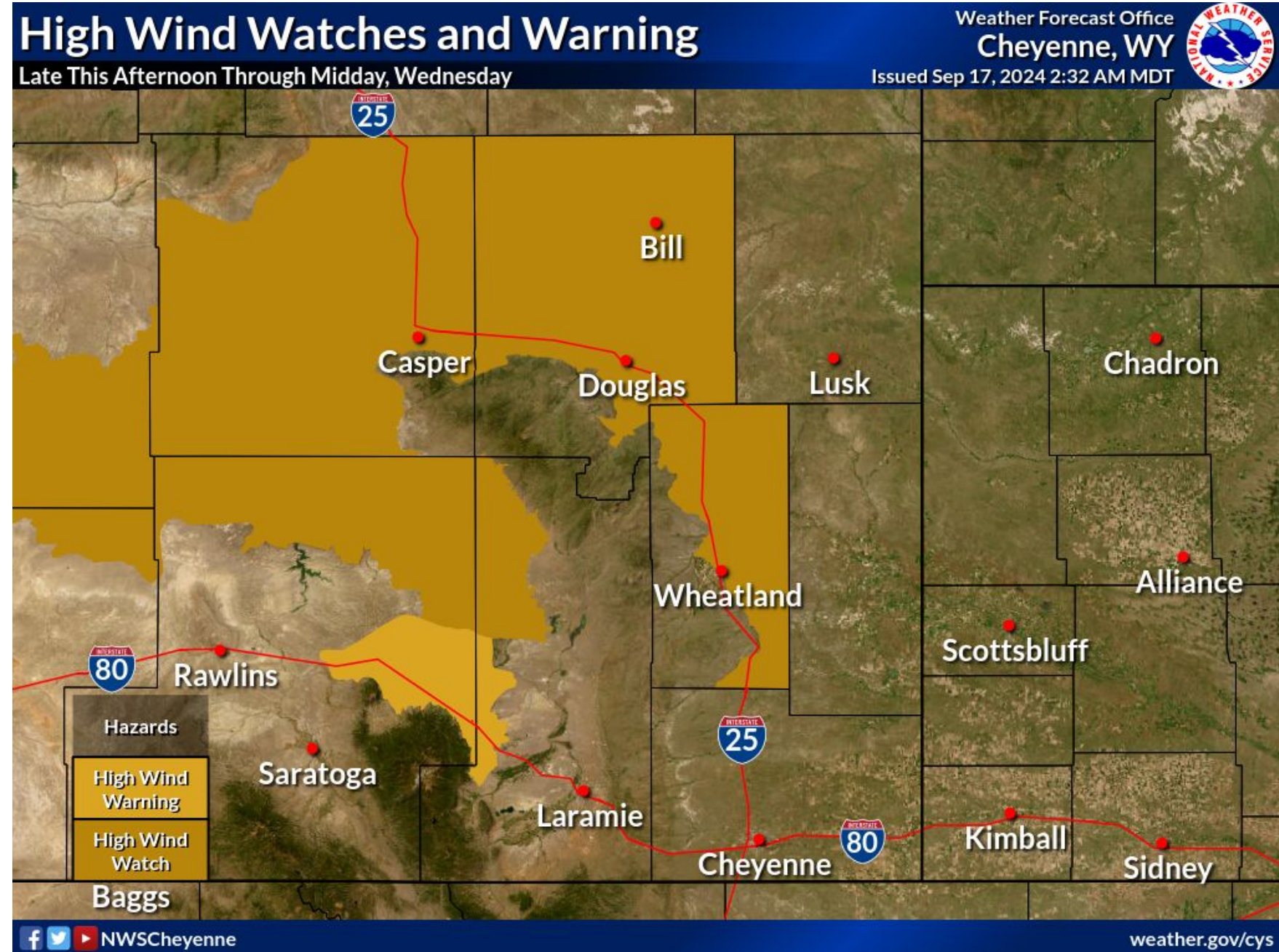


Winds Persist Behind the Front

September 17, 2024
5:01 AM

High Wind Warning & Watches Remain in Effect

- **High Wind Warning & Watches** are in effect for portions of southeast Wyoming.
- Strong winds will exist behind the cold front, with the strongest winds expected late Tuesday night into Wednesday morning.
- Arlington/Elk Mountain Area
 - ◆ In effect from 12 PM Tuesday until 12 PM Wednesday.
 - ◆ Southwest winds with gusts up to 70 MPH possible.
- Converse/Platte County & northern Carbon/Albany County
 - ◆ In effect from 12 AM Wednesday until 12 PM Wednesday.
 - ◆ Southwest winds with gusts up to 60 MPH possible.
- Impacts mainly to transportation. Strong cross winds will be hazardous to light weight or high profile vehicles, including campers and tractor trailers.



Additional Resources:



[Latest Version of the Briefing Packet](#)



[Latest Updated Hazard Information](#)



[Radar Imagery](#)



[Storm Prediction Center's Latest Mesoscale Discussion](#)



[Live-updating Point Forecast](#)
Click on the map to select your location, or use the search bar to type in your city name or coordinates



Departments of Transportation
[WYDOT](#) / [NEDOT](#) / Dial 5-1-1



[Storm Prediction Center - Fire Weather Outlooks](#)



[Graphical Hazardous Weather Outlook](#)



[NWS Safety Information](#)



Spending Time Outdoors?



BE AWARE OF THE FORECAST



HAVE A WAY TO GET WARNINGS



KNOW WHERE THE NEAREST SHELTER IS



TAKE ACTION WHEN YOU NEED TO

weather.gov/safety/thunderstorm



Have Questions? Contact Us!



307-772-2468 or 1-800-269-6220



@NWSCheyenne



nws.cheyenne@noaa.gov



US National Weather Service Cheyenne