

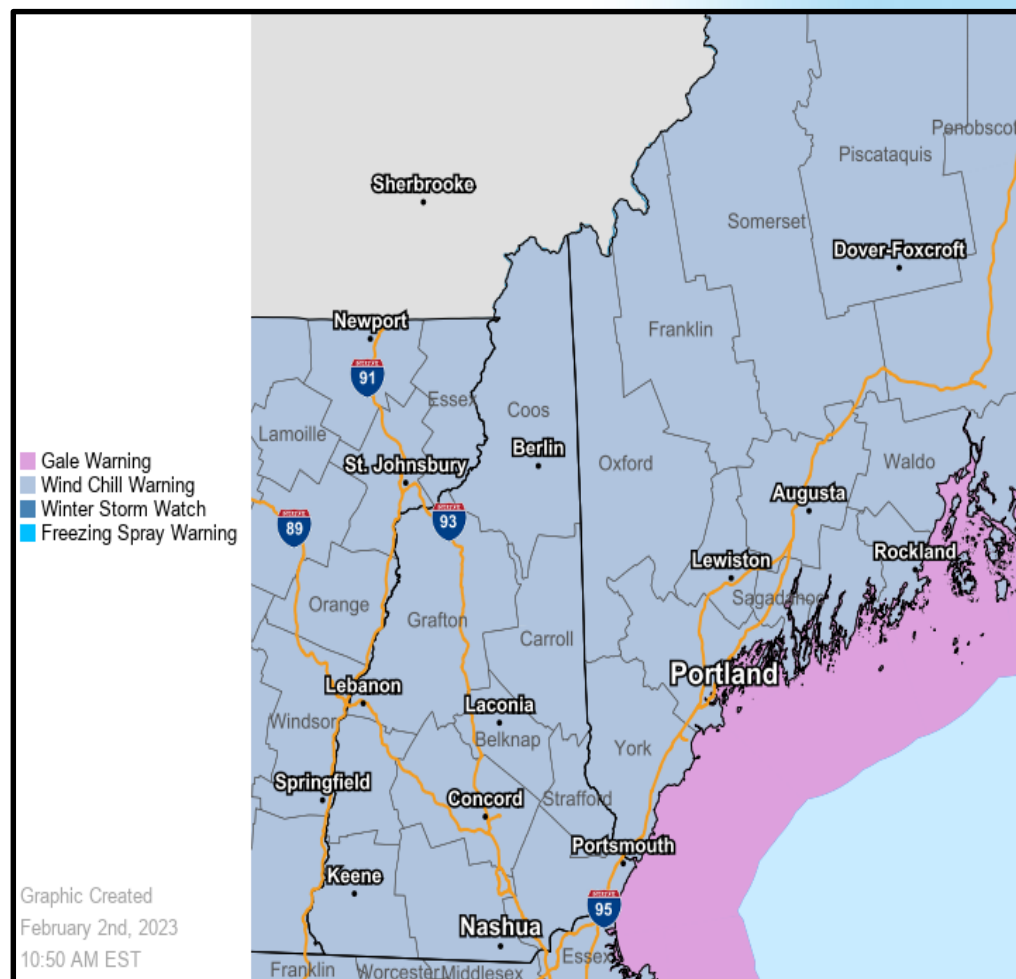
Extreme Cold

Decision Support Briefing #1
As of: 12:00 PM February 02, 2023







What Has Changed?

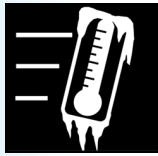
- ✓ *Wind Chill Warning Issued For All of NH*
- ✓ *Heavy Freezing Spray Warning Issued*



Main Points

Hazard	Impacts	Location	Timing
Wind Chill 	<p>Extreme cold temperatures and strong winds will cause exposed skin to quickly freeze. Outdoor work and leisure is not advised.</p>	<p>New Hampshire & Western ME</p>	<p>Friday AM - Saturday</p>
Wind 	<p>Fallen tree limbs are possible. A few power outages are possible.</p>	<p>New Hampshire & Western ME</p>	<p>Friday Night into Saturday Morning</p>
Snow 	<p>Snow showers and squalls could lead to localized hazardous driving.</p>	<p>NH & ME Mountains</p>	<p>Tonight</p>
Marine 	<p>Large waves, freezing spray and strong winds will cause hazardous seas even for the largest boats.</p>	<p>Coastal Waters</p>	<p>Friday through Saturday</p>

Summary of Greatest Impacts



Wind Chill: New Hampshire & Western ME



Wind: New Hampshire & Western ME



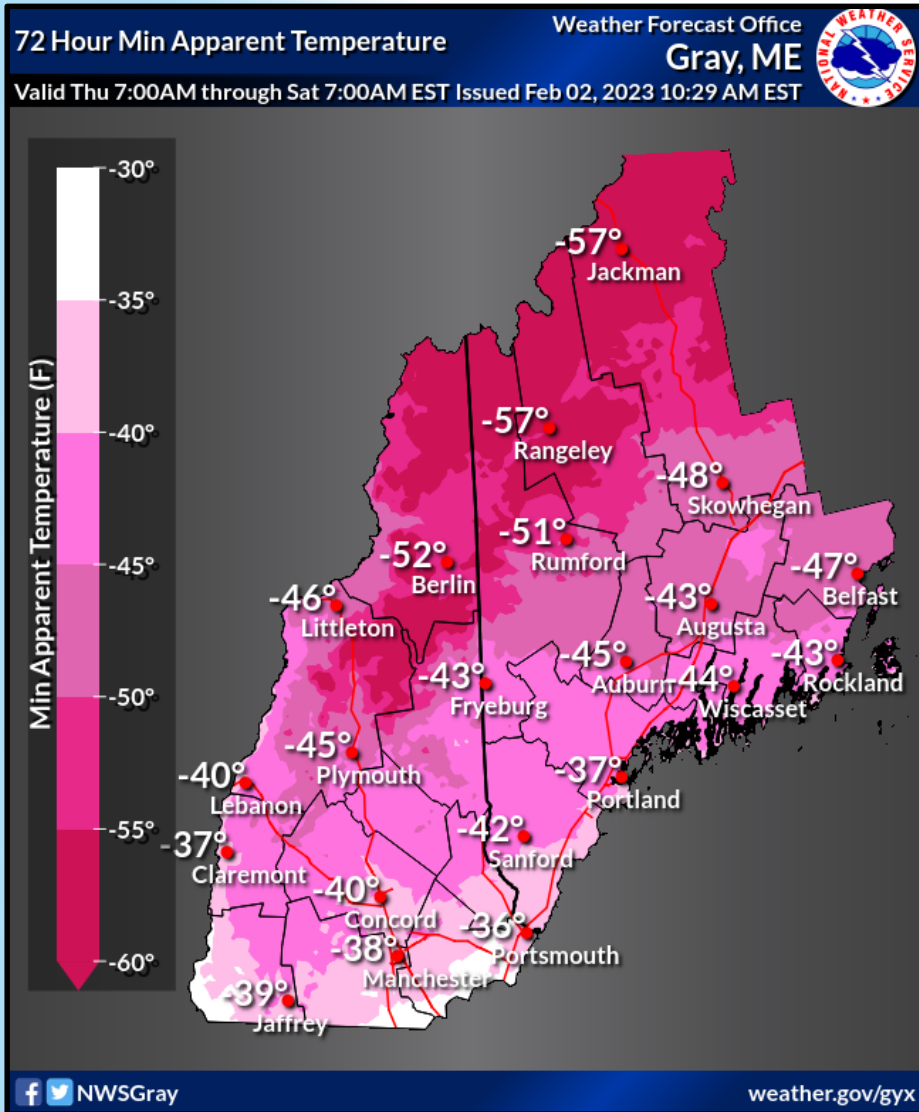
Snow: NH & ME Mountains



Marine: Coastal Waters



Wind Chills / Extreme Cold



Key Information:

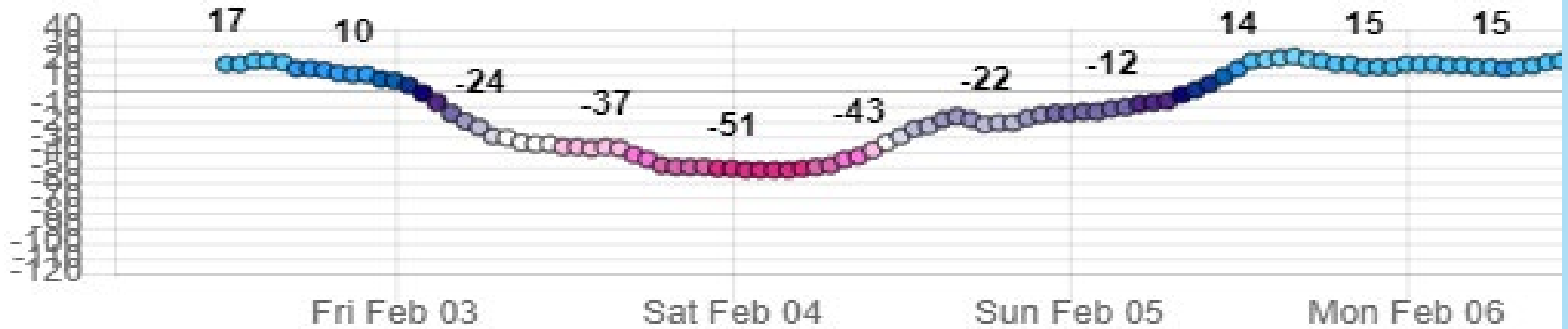
- ✓ Extreme cold over a 24 hour period will peak Friday Night
- ✓ Coldest arctic intrusion since Feb of 2016
- ✓ Frostbite conditions within 10 minutes, lost of finger dexterity within minutes

Impacts ↑	Extreme			✘
	Significant			
	Elevated			
	Limited			
	None			
		Low	Moderate	High
		Confidence →		

Wind Chill Timing

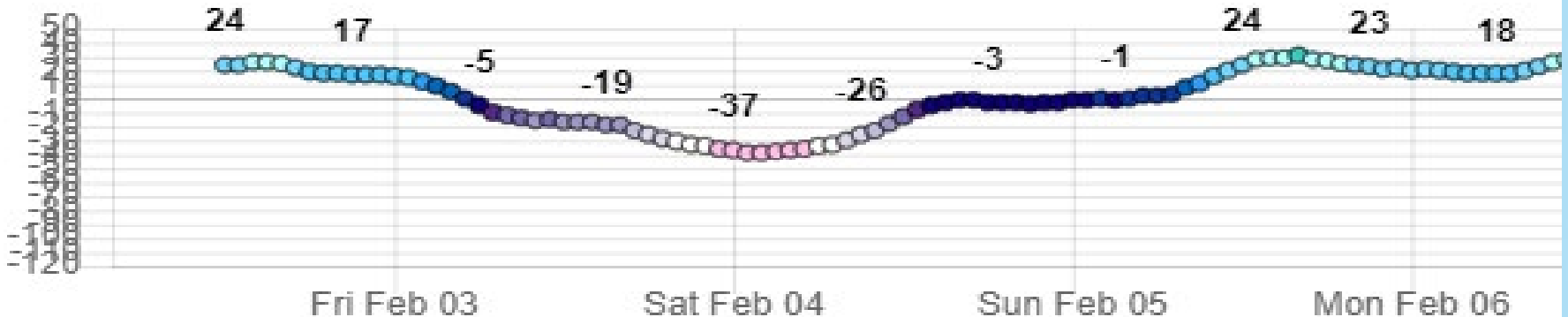
Wind Chill, °F:

Berlin

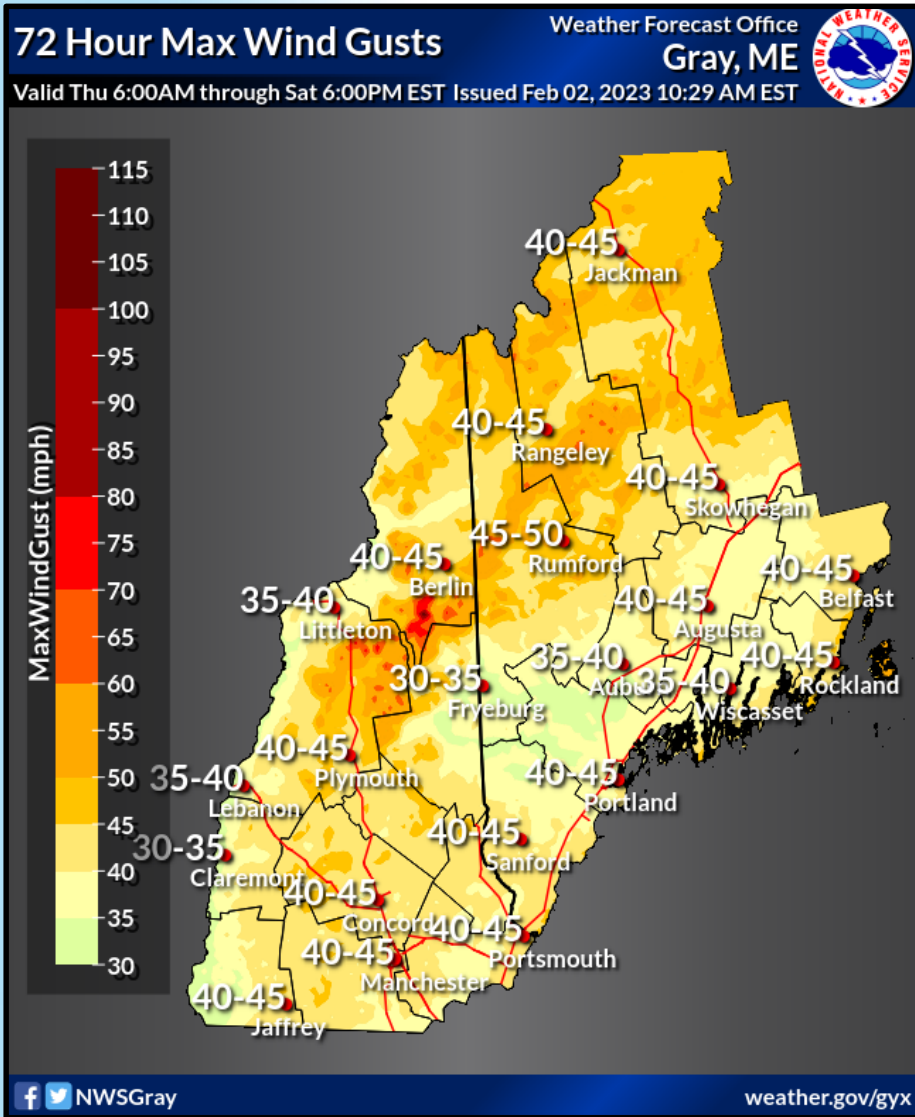


Wind Chill, °F:

Manchester

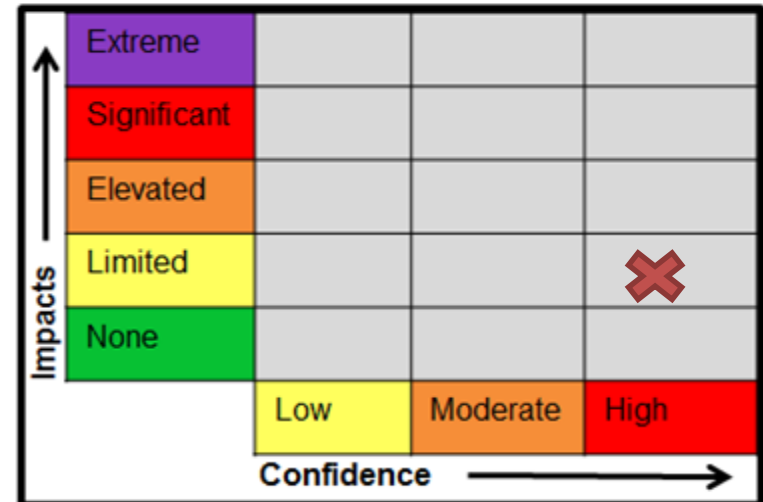


Peak Wind Gusts

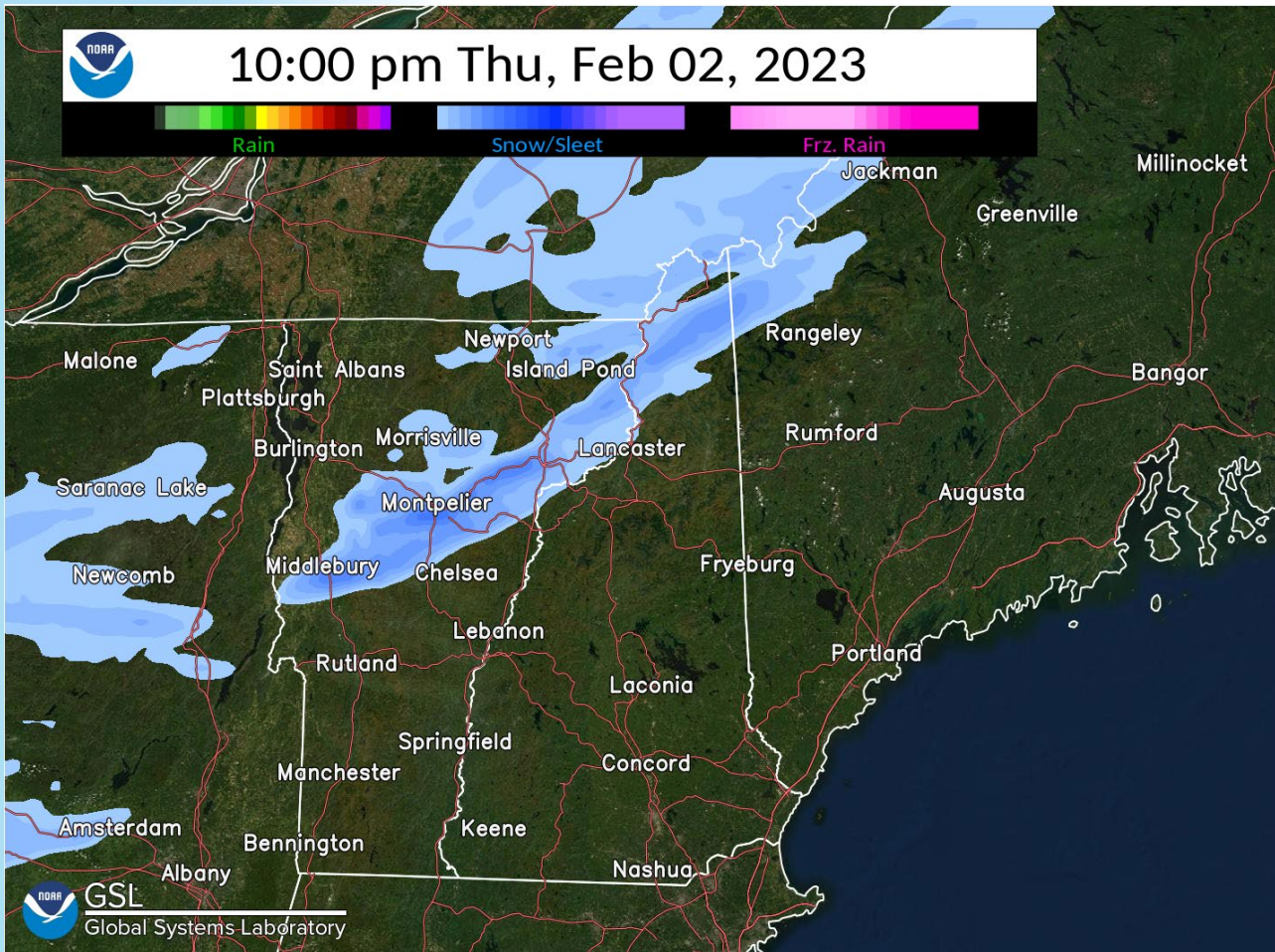


Key Information:

- ✓ Wind speeds peak Friday night into Saturday morning
- ✓ Northwest winds could down a few branches and cause a few sporadic power outages
- ✓ Winds quickly die down Saturday afternoon.



Snow Squalls / Showers

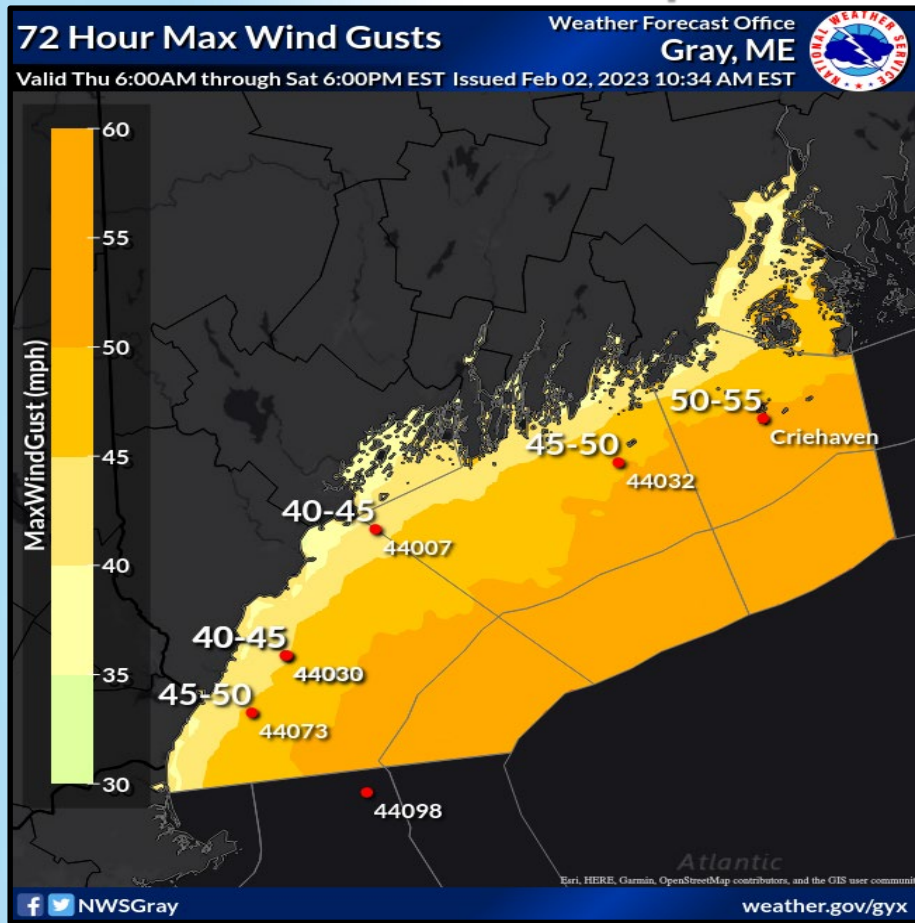


Timing:

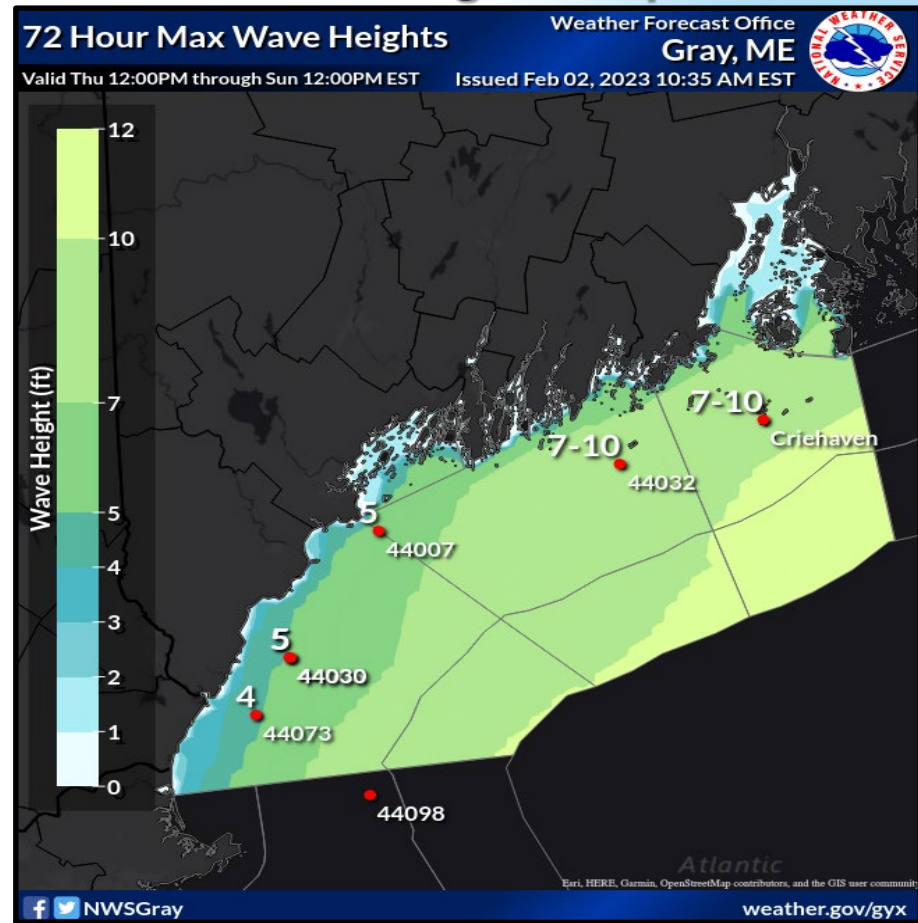
- ✓ Snow showers and squalls late tonight.
- ✓ Confined to Coos County and the White Mountains.
- ✓ Not expected to reach south of the mountains tonight.

Marine Hazards

Peak Wind Gusts Expected



Peak Wave Heights Expected







- ✓ Gale Warning on the Waters
- ✓ Heavy Freezing Spray

Event Summary

Extreme Cold Arctic Blast to Begin Late Tonight

- ✓ Confidence is **HIGH** that this event will occur and **HIGH** on expected impacts
- ✓ Period of greatest impact: Friday afternoon into Saturday morning

	<ul style="list-style-type: none"> ✓ Coldest wind chill temperatures since February of 2016 likely. ✓ Dangerous cold will peak Friday night before quickly warming on Sunday.
	<ul style="list-style-type: none"> ✓ Gusty northwest winds will be the strongest in the mountains and foothills on Saturday night, a few downed branches possible.
	<ul style="list-style-type: none"> ✓ Open rivers are prone to freeze-up ice jam potential. The threat is minor and normally only nuisance flooding occurs in these weather set-ups.
	<ul style="list-style-type: none"> ✓ Hazardous conditions on the waters tomorrow though Saturday due do heavy freezing spray, large offshore waves and gale force winds.

Contact and Next Briefing Information



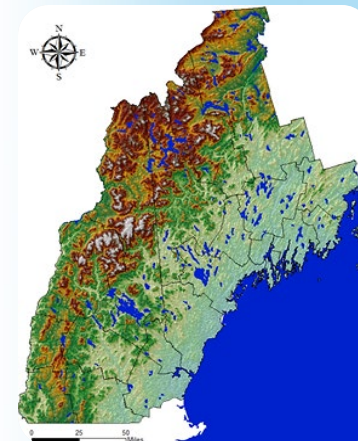
Next Briefing

When: *Around 4 PM Today (Thu)*

Method: *Email*

Briefing Webpage:

<http://www.weather.gov/gyx>



Web:

<http://weather.gov/gyx>



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Disclaimer: *The information contained within this briefing is time-sensitive, do not use after 10 PM Thursday (02/02/23).*