

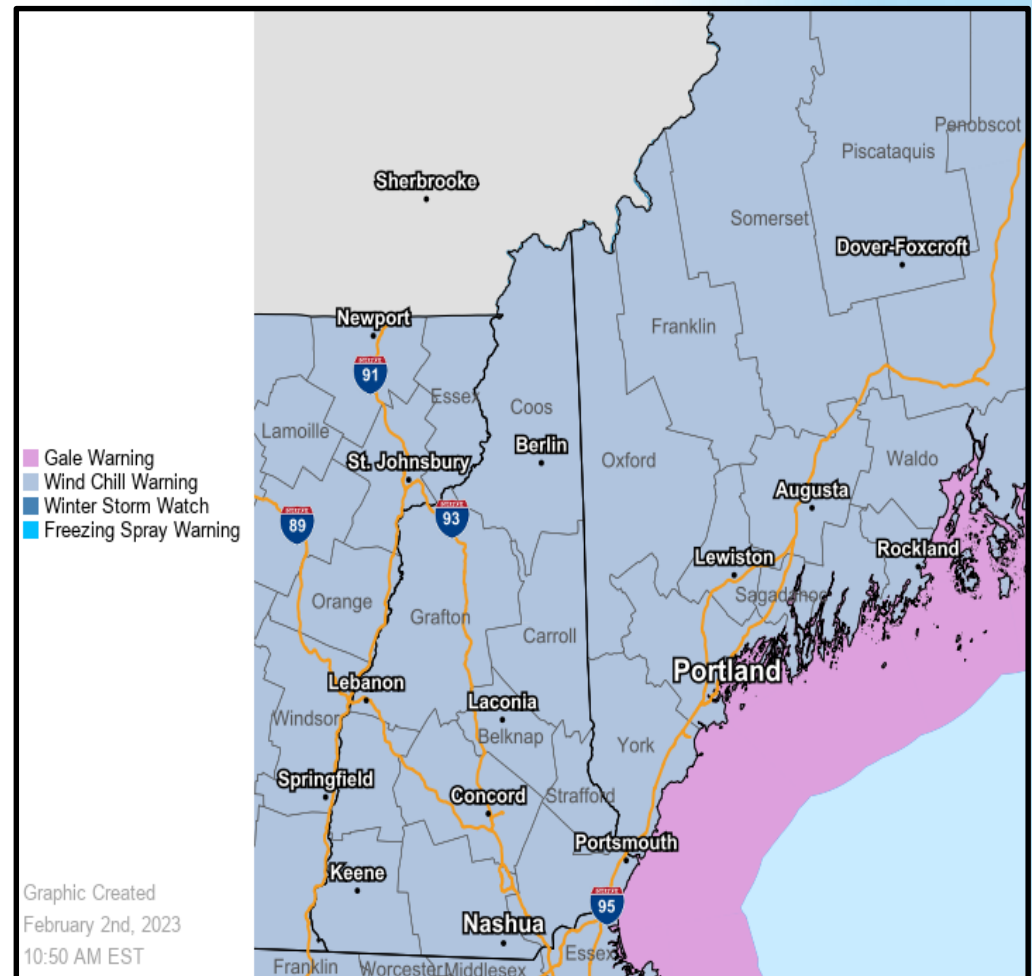
# Extreme Cold

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







### What Has Changed?

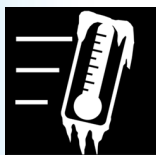
- ✓ Wind Chill Warning Issued For All of NH
- ✓ Heavy Freezing Spray Warning Issued



## Main Points

Hazard	Impacts	Location	Timing
<b>Wind Chill</b> 	<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 &amp; Western ME</p>	<p>Friday AM - Saturday</p>
<b>Wind</b> 	<p>Fallen tree limbs are possible. A few power outages are possible.</p>	<p>New Hampshire &amp; Western ME</p>	<p>Friday Night into Saturday Morning</p>
<b>Snow</b> 	<p>Snow showers and squalls could lead to localized hazardous driving.</p>	<p>NH &amp; ME Mountains</p>	<p>Tonight</p>
<b>Marine</b> 	<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

None

Limited

Elevated

Significant

Extreme



## Wind: New Hampshire & Western ME

None

Limited

Elevated

Significant

Extreme



## Snow: NH & ME Mountains

None

Limited

Elevated

Significant

Extreme



## Marine: Coastal Waters

None

Limited

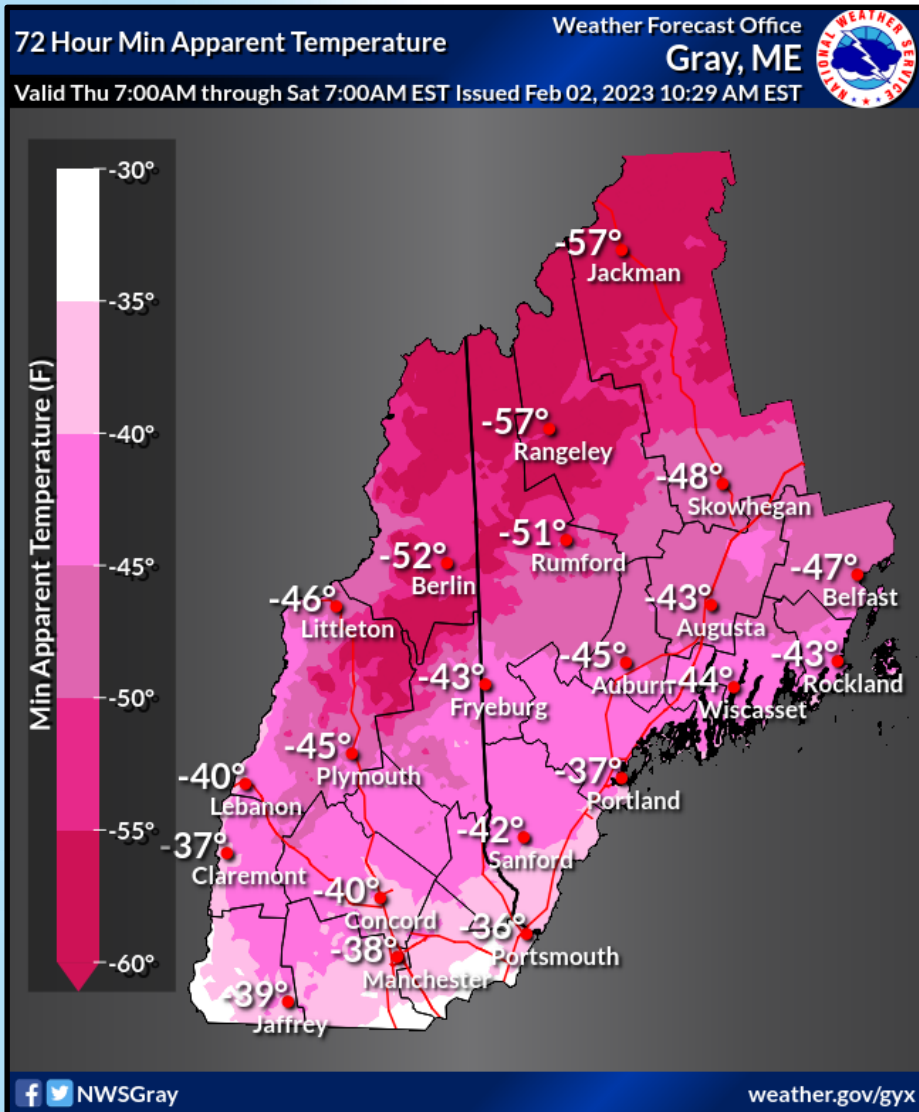
Elevated

Significant

Extreme

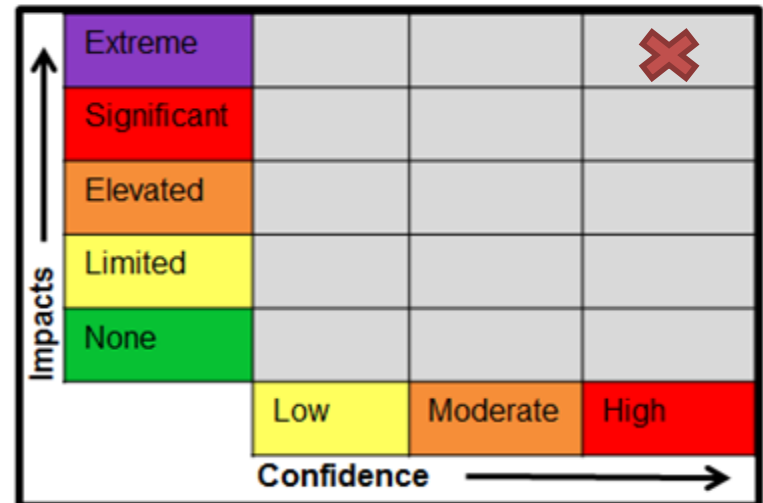


# Wind Chills / Extreme Cold



## Key Information:

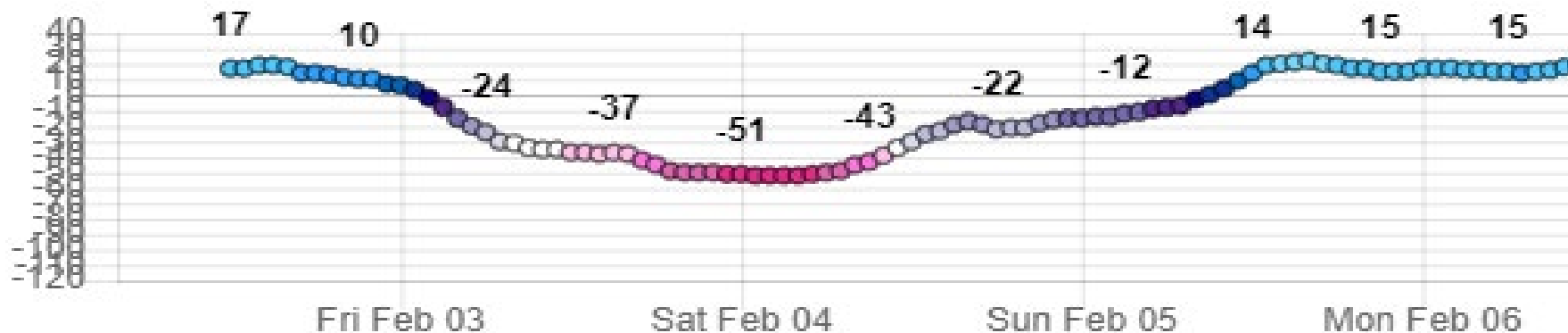
- ✓ Extreme cold over a 24 hour period will peak Friday Night
- ✓ Coldest arctic intrusion since Feb of 2016
- ✓ Frostbite conditions within 10 minutes, lost of finger dexterity within minutes



# Wind Chill Timing

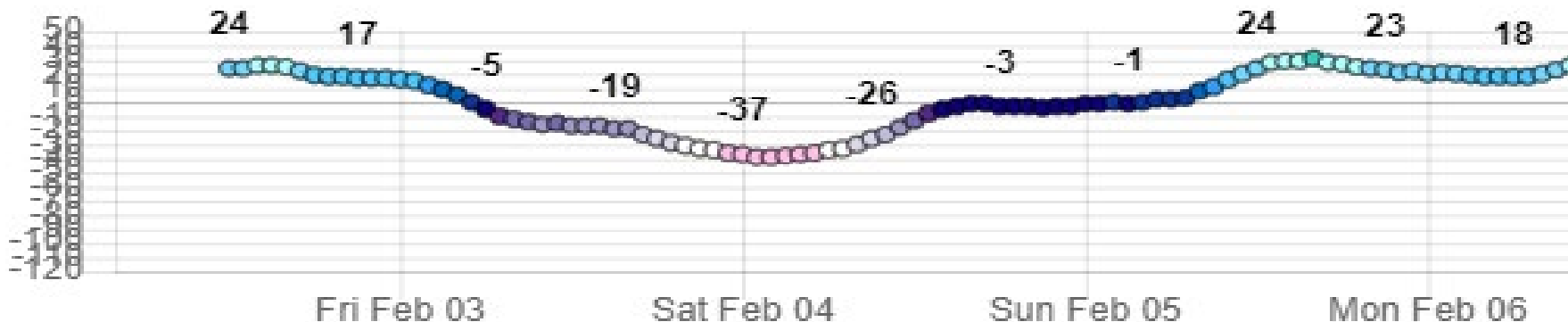
Wind Chill, °F:

**Berlin**



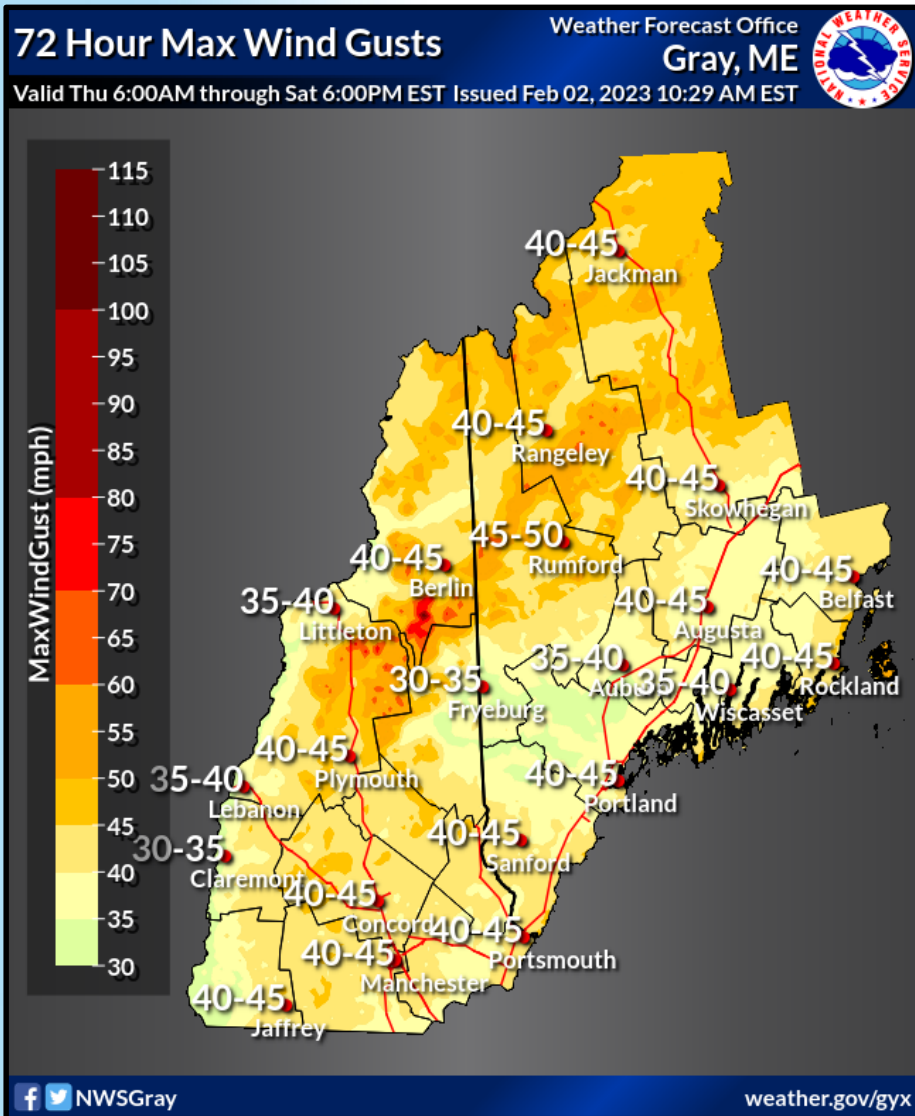
Wind Chill, °F:

**Manchester**





# Peak Wind Gusts

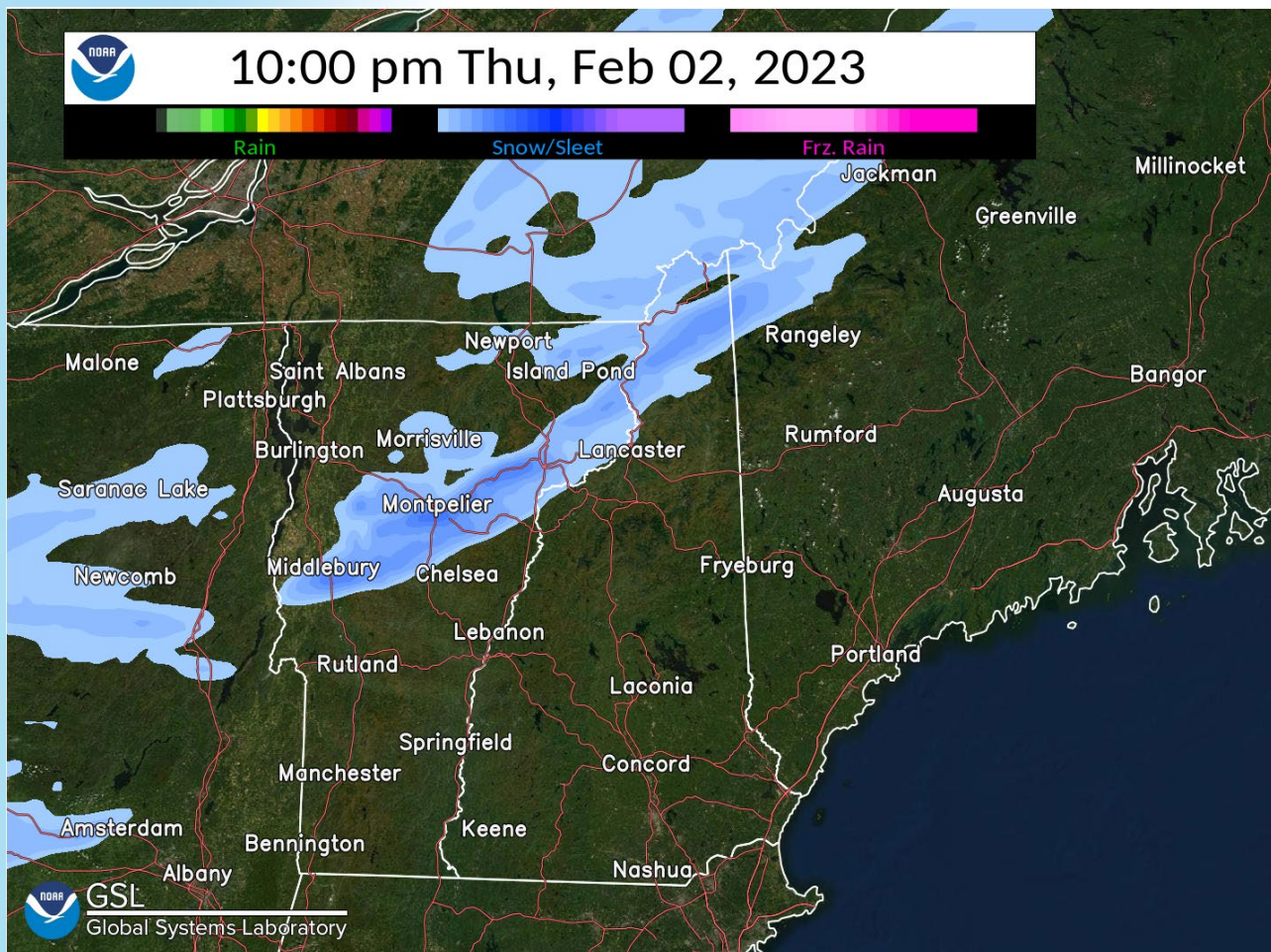


## Key Information:

- ✓ 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.

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

# Snow Squalls / Showers



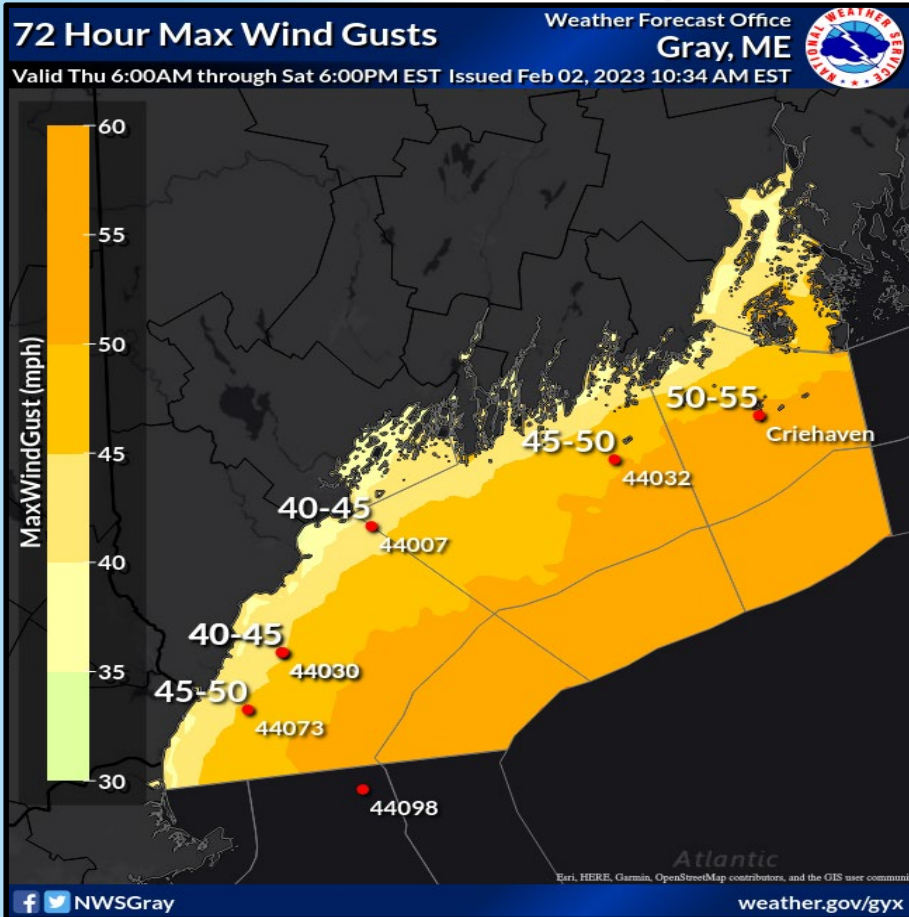
## Timing:

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

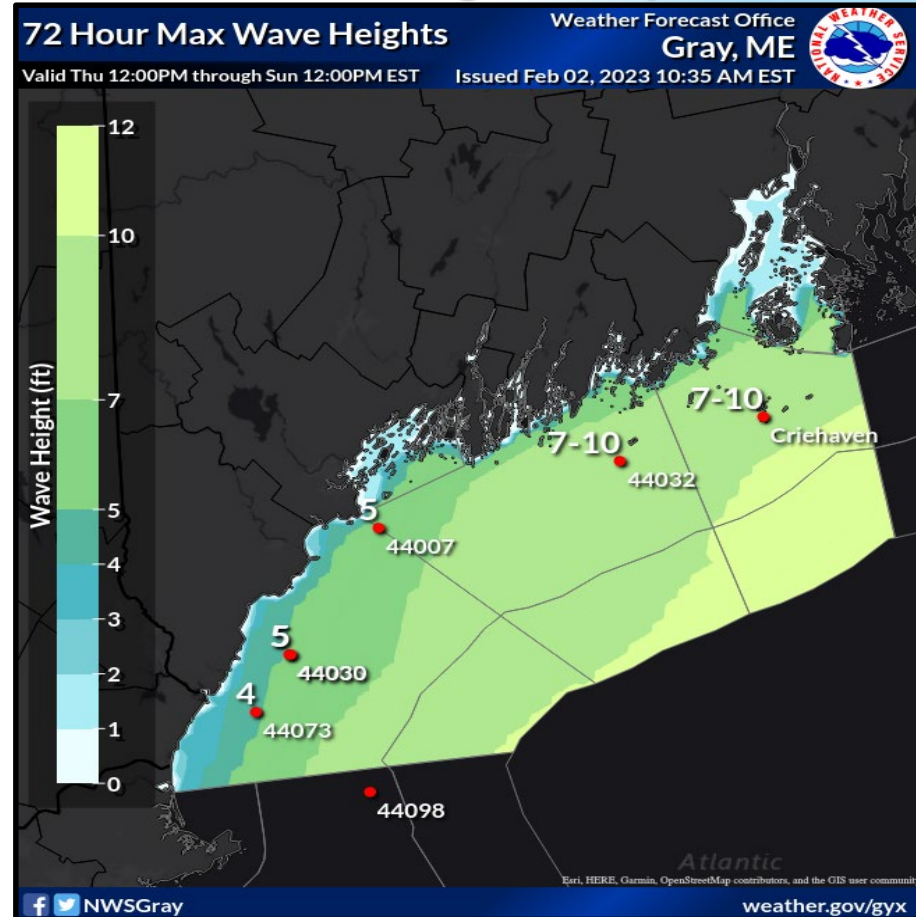


# Marine Hazards

## 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"> <li>✓ Coldest wind chill temperatures since February of 2016 likely.</li> <li>✓ Dangerous cold will peak Friday night before quickly warming on Sunday.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Gusty northwest winds will be the strongest in the mountains and foothills on Saturday night, a few downed branches possible.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Hazardous conditions on the waters tomorrow though Saturday due do heavy freezing spray, large offshore waves and gale force winds.</li> </ul>

# Contact and Next Briefing Information



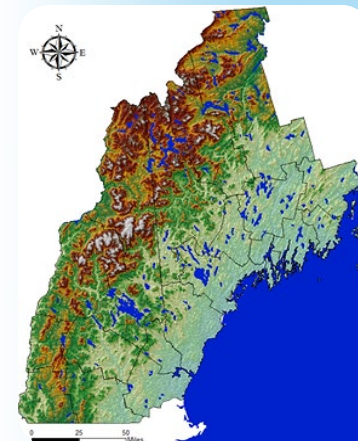
## Next Briefing

**When:** *Around 4 PM Today (Thu)*

**Method:** *Email*

**Briefing Webpage:**

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



**Web:**

<http://weather.gov/gyx>



**Phone (public):**

(207) 688-3216



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