



Significant Rain and Wind Storm

December 18, 2023
5:21 AM

For New Hampshire and Western Maine

Decision Support Briefing #4

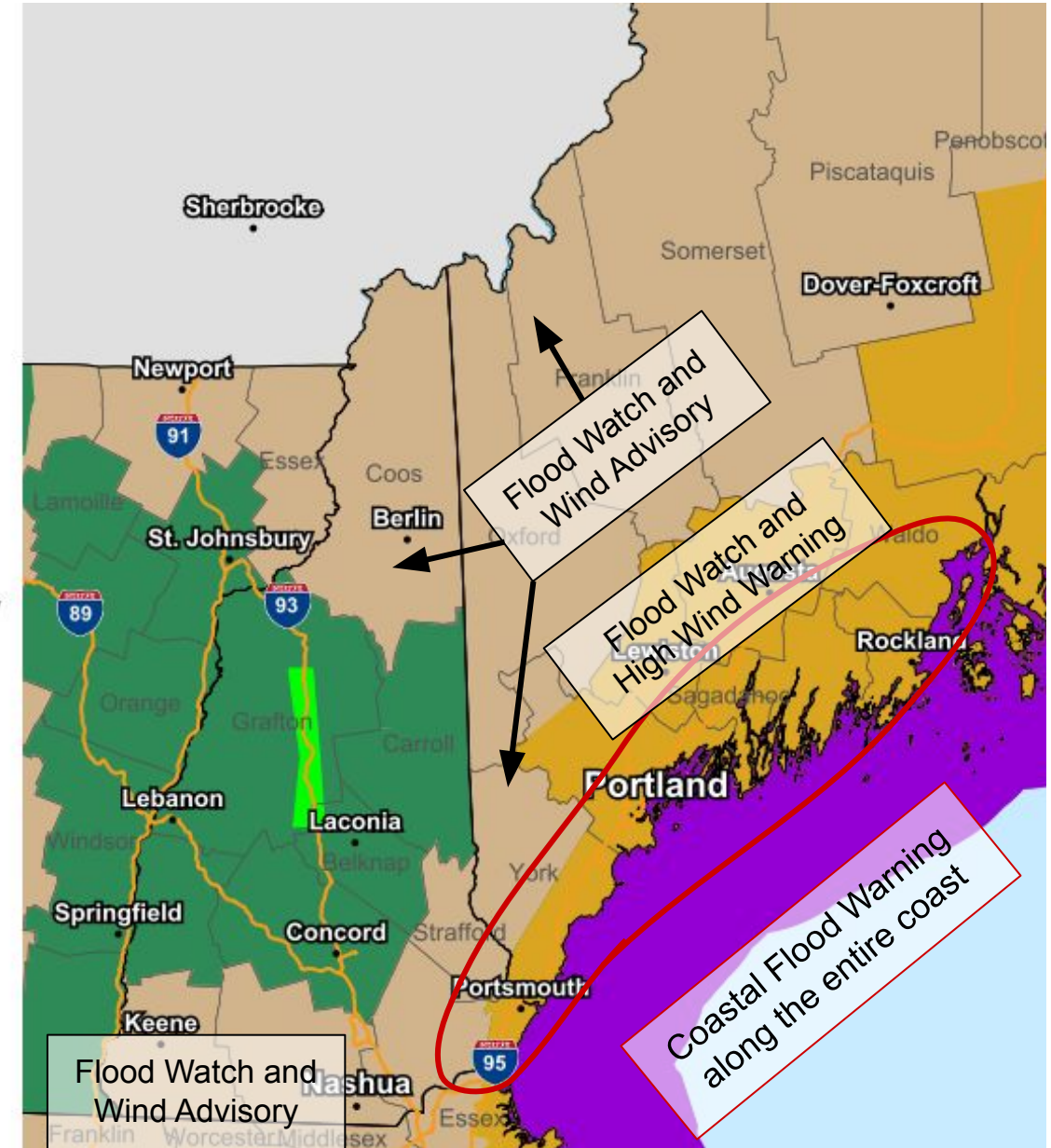
→ As of December 18, 2023 5:21 AM

NEW Important Updates

- Increasing threat for moderate flooding on rivers and tributaries in the mountains and foothills.
- High Wind Warnings and Wind Advisories have been expanded north and west.
- Flood Watch has been expanded to include interior York and Cumberland counties in Maine, plus Strafford county in New Hampshire
- Coastal Flood, Storm, and River Flood (Pemigewasset) Warnings remain in place.

- High Wind Warning
- Storm Warning
- Coastal Flood Warning
- Flood Warning
- Coastal Flood Advisory
- Wind Advisory
- Flood Watch

Graphic Created
December 18th, 2023
4:05 AM EST





Main Points

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Hazard	Impacts	Location	Timing	Confidence
Flooding	Heavy rain and snow melt will lead to areas of flooding with many road closures and minor property damage possible.	Mountains and Interior	Mainly today and tonight. Rivers may respond through mid-week.	75% - High
Wind	Fallen tree limbs and a few uprooted trees are likely. Scattered power outages are possible.	New Hampshire & Western Maine	Peaking this afternoon and evening	
Coastal Flooding	Widespread flooding of low-lying vulnerable areas near the waterfront with up to 2 feet of inundation. Numerous coastal roads will become flooded with a few neighborhoods being cut-off due to closed roads.	Coast	This afternoon	
Marine	Big waves and high winds will cause extremely dangerous seas even for the largest boats.	Coastal Waters	Today	
Snow	No impact is expected from this storm.	New Hampshire & Western Maine	Through Tonight	



Summary of Greatest Impacts

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Flooding: Mountains and Interior					Confidence
None	Limited	Elevated	Significant	Extreme	75% - High



Wind: New Hampshire & Western Maine					Confidence
None	Limited	Elevated	Significant	Extreme	75% - High



Coastal Flooding: Coast					Confidence
None	Limited	Elevated	Significant	Extreme	75% - High

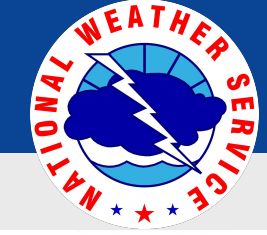


Marine: Coastal Waters					Confidence
None	Limited	Elevated	Significant	Extreme	75% - High



Snow : New Hampshire & Western Maine					Confidence
None	Limited	Elevated	Significant	Extreme	75% - High





River Forecast Tables: S. Maine

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Kennebec & Tributaries

Gauge Location	Forecast (ft)	Stage
Carrabassett River @ North Anson	19.80	Minor
Kennebec River @ Bingham	21.70	Stage Not Defined
Sandy River (ME) @ Mercer	16.50	Moderate
Kennebec River @ North Sidney	23.90	Minor
Kennebec River @ Skowhegan	81.70	Minor
Kennebec River @ Augusta	19.80	Minor
Kennebec River @ Hallowell	16.60	Moderate

Androscoggin & Tributaries

Gauge Location	Forecast (ft)	Stage
Androscoggin River @ Gorham	6.80	No Flooding
Androscoggin River @ Auburn	16.40	Minor
Androscoggin River @ Rumford	17.40	Moderate
Swift River @ Roxbury	10.40	Minor

Presumpscot

Gauge Location	Forecast (ft)	Stage
Presumpscot River @ West Falmouth		No Forecast

Saco

Gauge Location	Forecast (ft)	Stage
Saco River @ Conway	14.50	Moderate
Saco River @ West Buxton	12.20	No Flooding

For the Latest River Forecast Levels Go [Here!](#)

Key Messages

- Minor flooding forecasted on most river basins at this time, with moderate flooding at certain forecast points
- Rivers will crest tomorrow evening into Tuesday





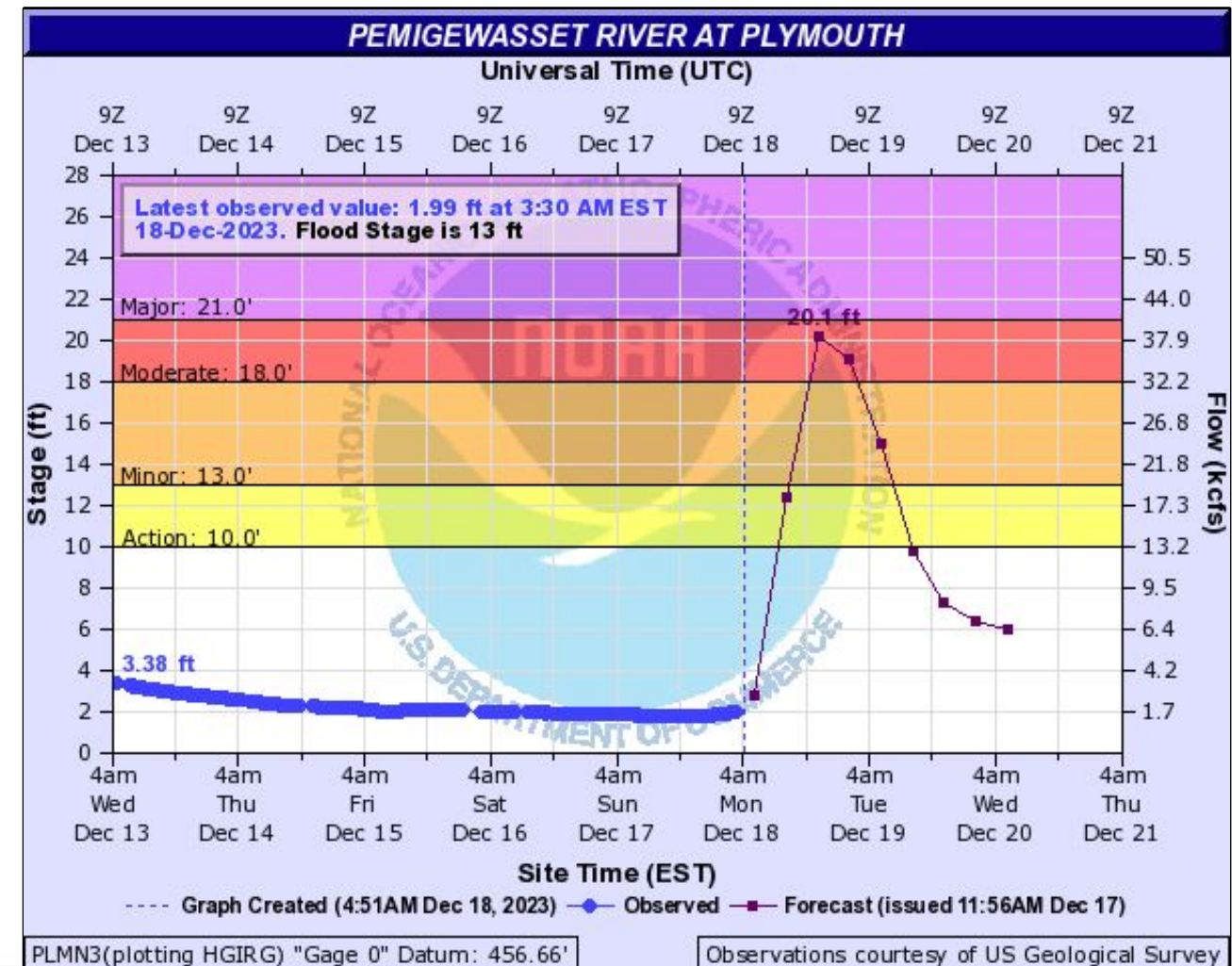
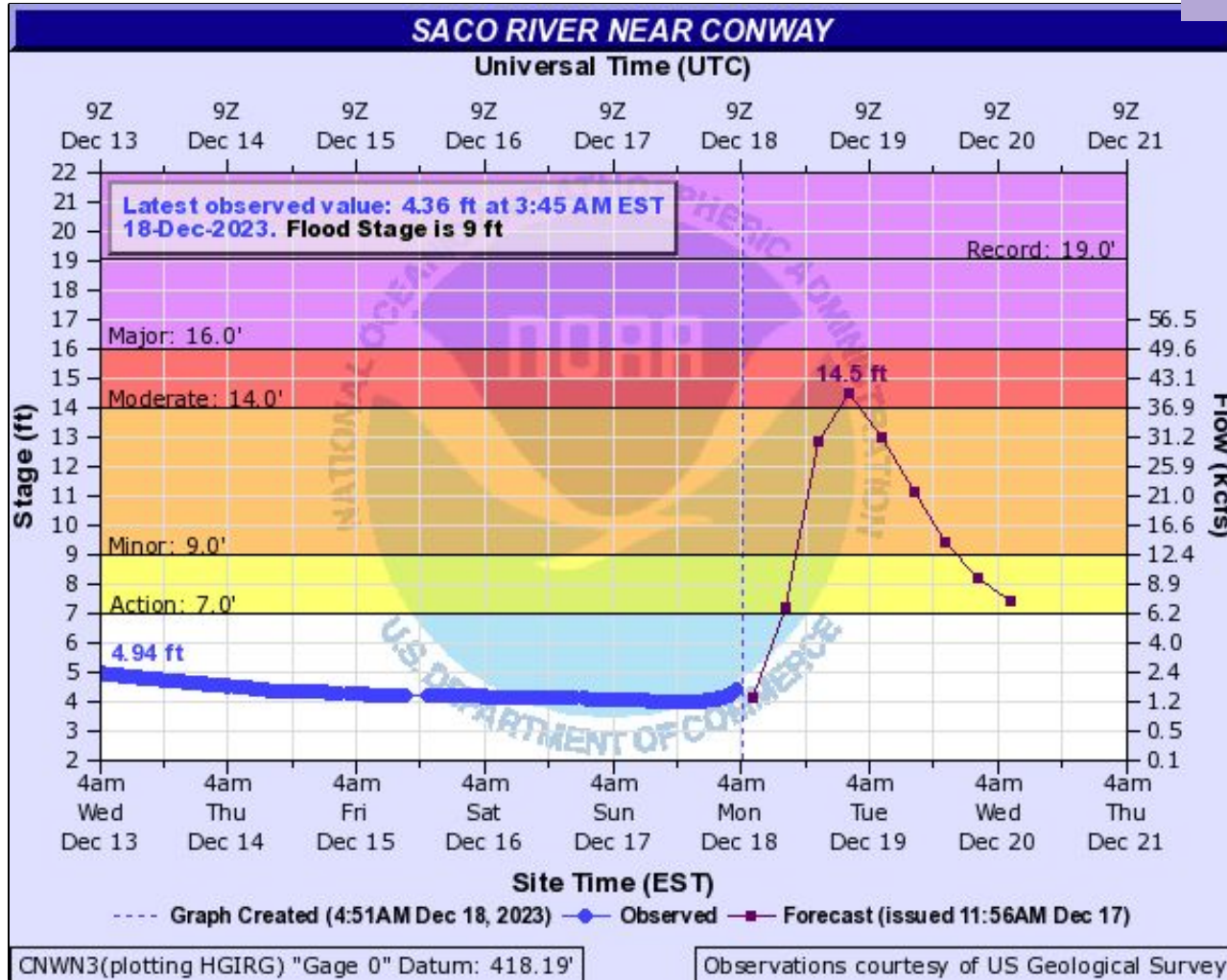
River Forecasts

December 18, 2023
5:21 AM

****Updated River Forecasts expected by noon ****

Key Messages

- Runoff from rain and snowmelt will contribute to river and stream rises, particularly in the mountain headwaters



River Flood Impacts (scroll down on page)

- [Saco River Near Conway](#)
- [Pemigewasset River at Plymouth](#)





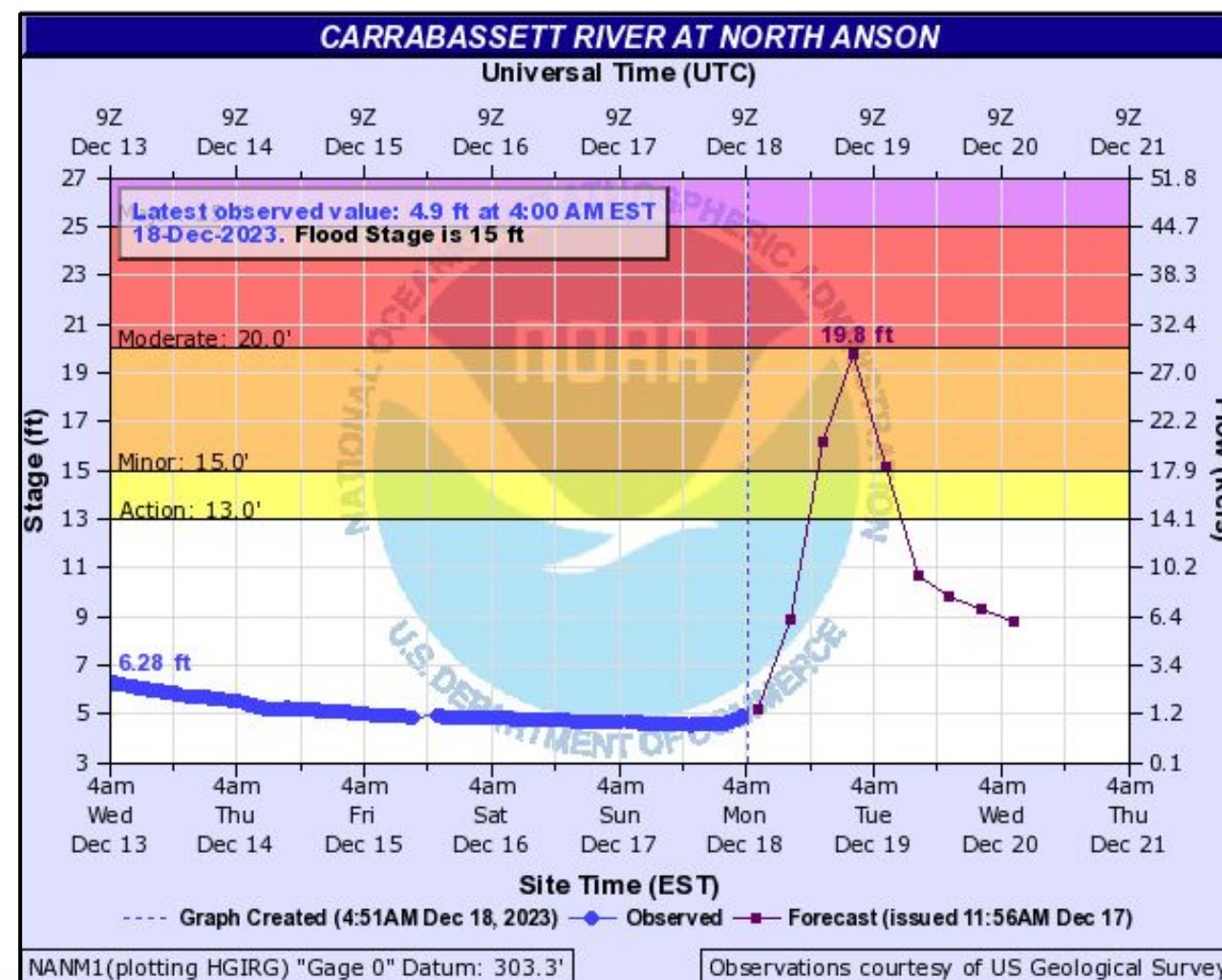
River Forecasts

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****Updated River Forecasts expected by noon ****

Key Messages

- Runoff from rain and snowmelt will contribute to river and stream rises, particularly in the mountain headwaters



River Flood Impacts (scroll down on page)

- [Androscoggin River at Rumford](#)
- [Carrabassett River at North Anson](#)



River Forecasts

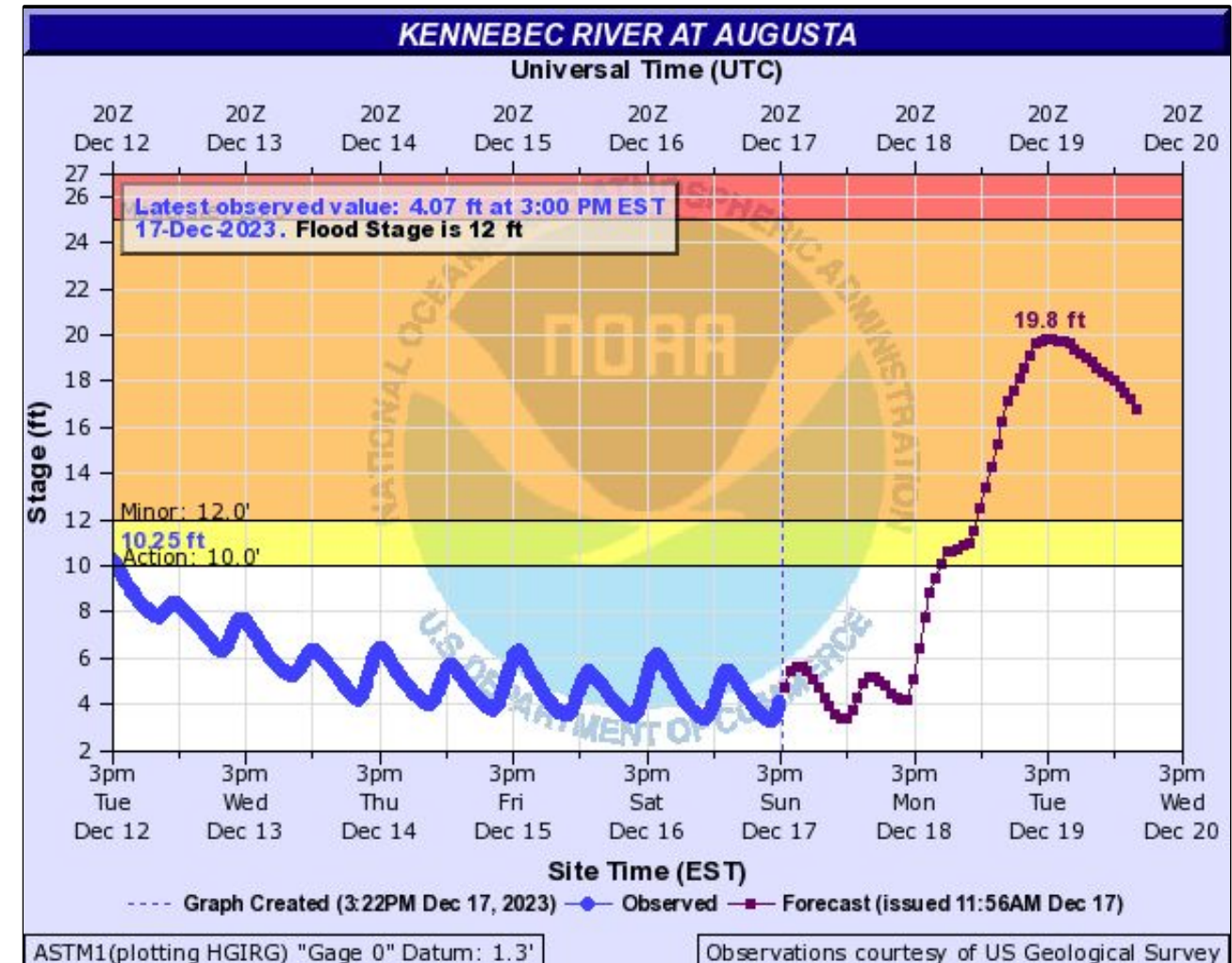
December 18, 2023
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****Updated River Forecasts expected by noon ****



Key Messages

- Main stem rivers will see strong responses and may experience flood conditions through mid-week.



Key Messages

- [Androscoggin River at Rumford](#)
- [Kennebec River at Augusta](#)

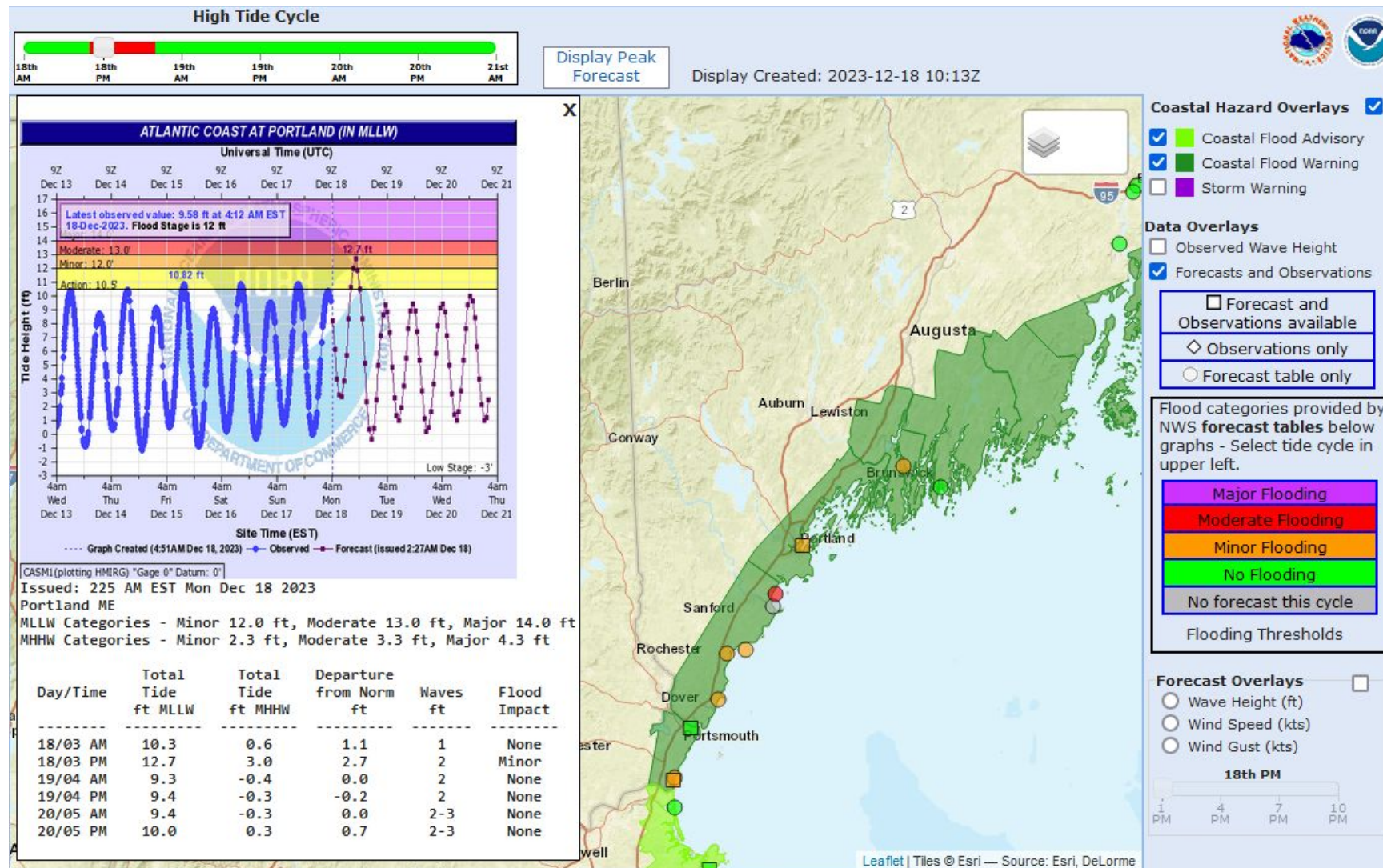


Coastal Flooding

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Key Messages

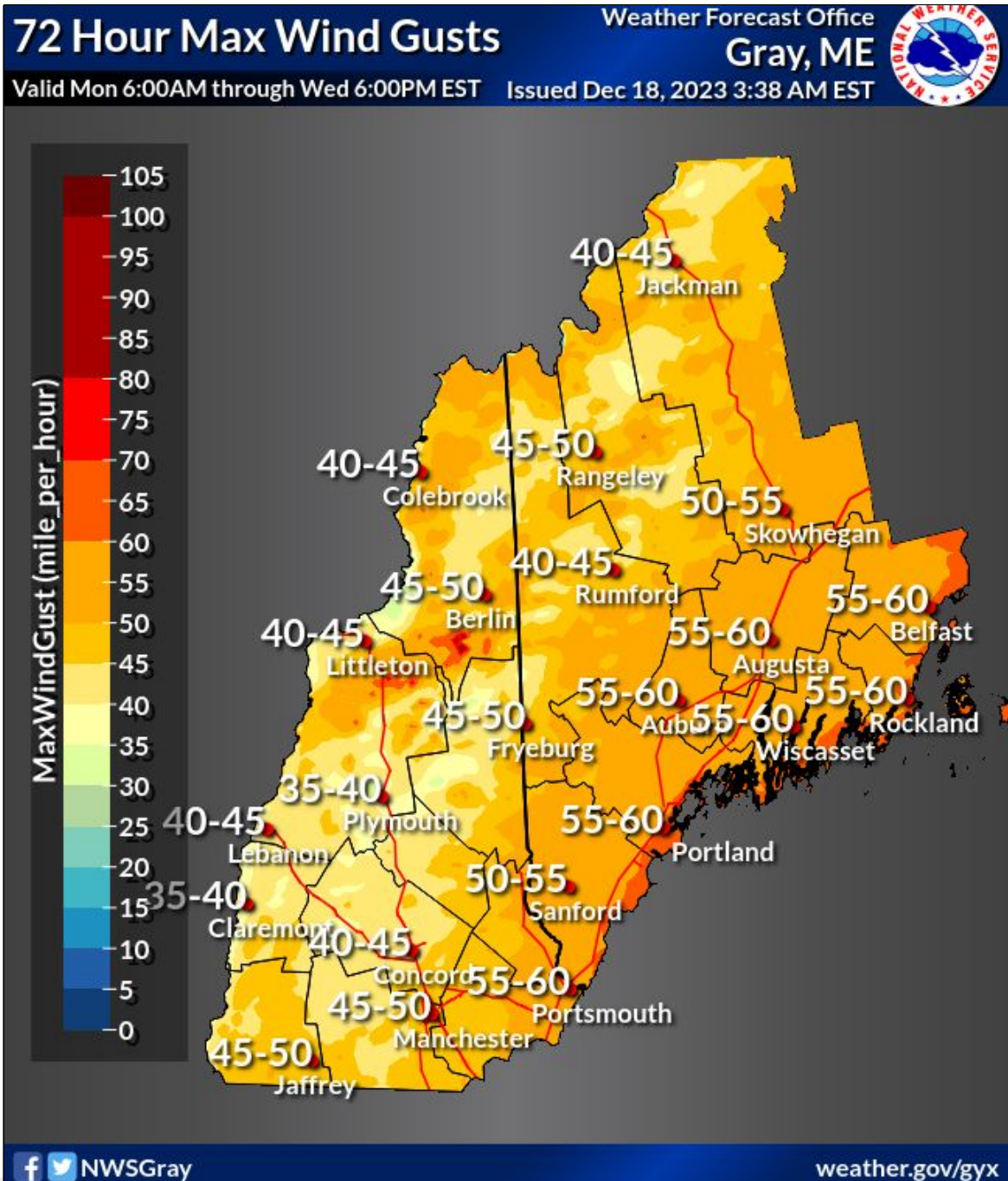
- Minor to moderate coastal flooding impacts around 3 PM high tide today
- 2-3 ft of storm surge expected
- Minor inundation up to 1 foot
- 15-20 ft nearshore waves, highest along the Midcoast
- Moderate dune overwash and severe beach erosion possible due to significant wave action
- https://www.weather.gov/erh/coastal_flood?wfo=gyx





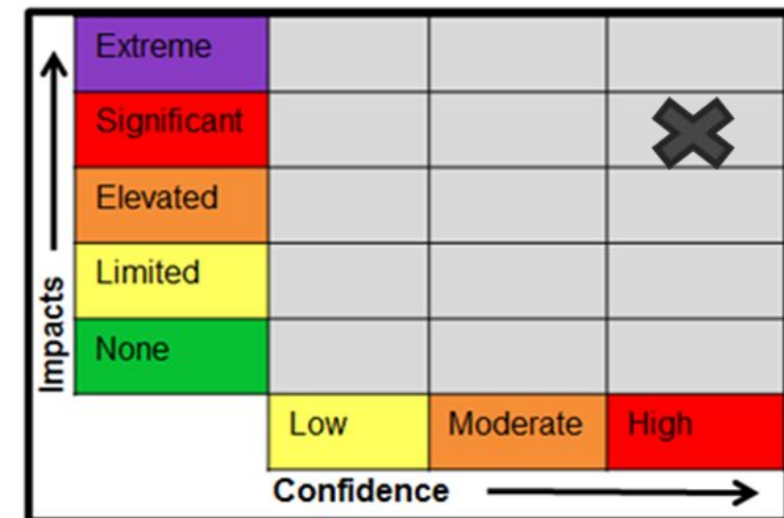
Peak Wind Gusts Expected

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Key Messages

- Southeasterly wind gusts up to 65 mph possible along the coast and downslope areas.
- Scattered power outages possible areawide, mostly likely along the coast.
- Strongest wind gusts late this morning through this evening
- For the most up to date wind map visit <https://www.weather.gov/gyx/EMhome>



National Weather Service
Gray-Portland, ME

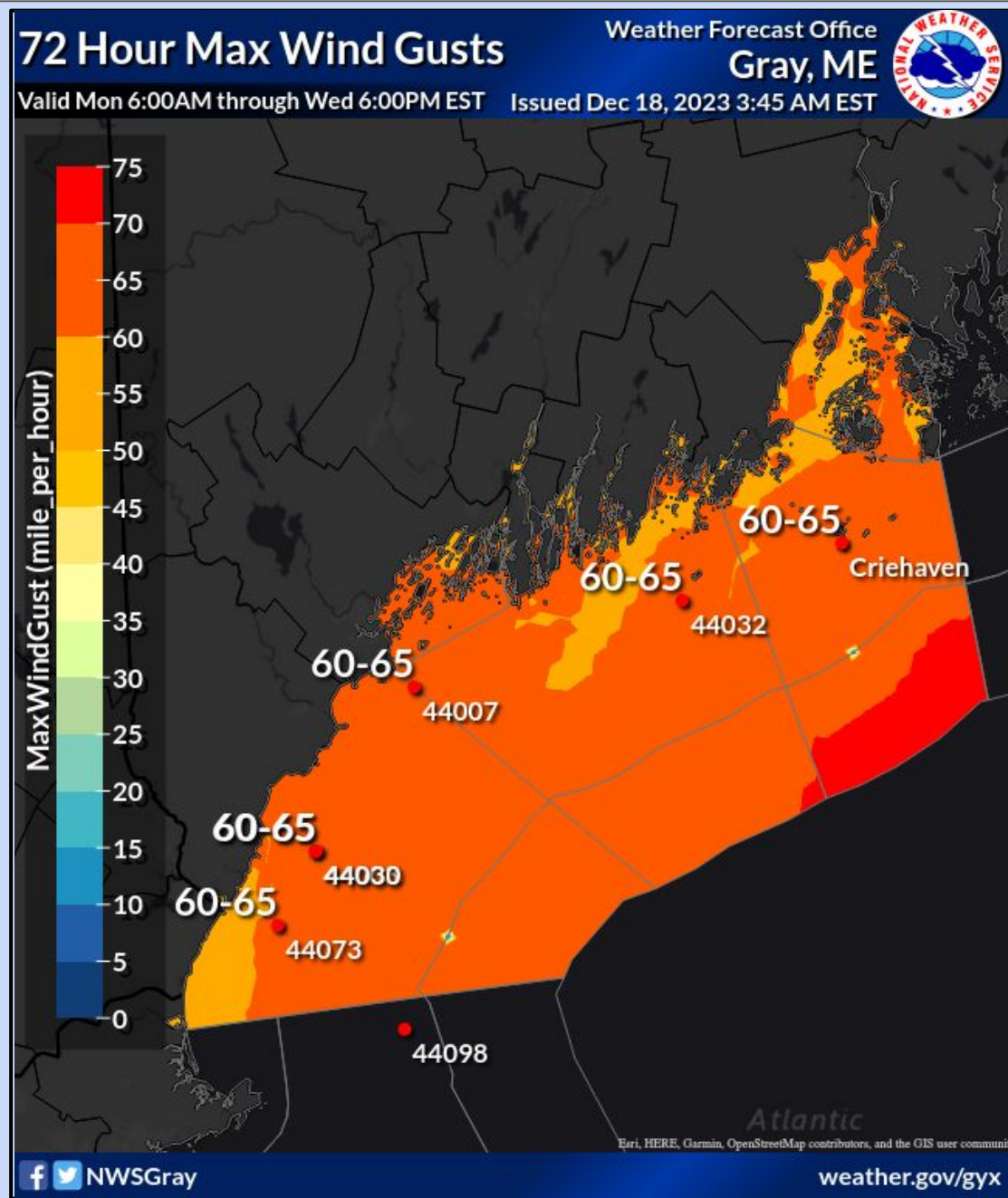




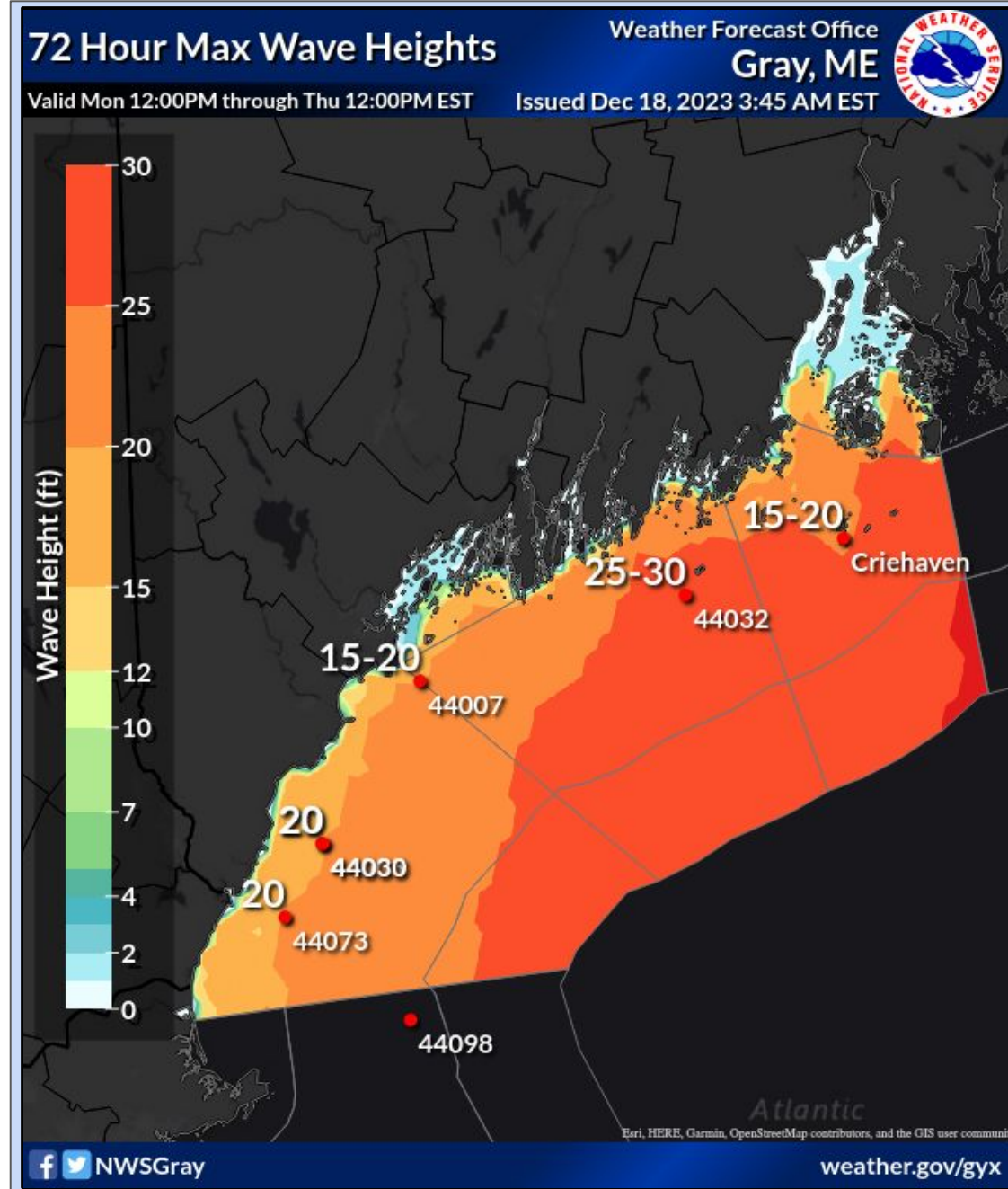
Marine Hazards

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Peak
Wind
Gusts
Expected



Peak
Wave
Heights
Expected





Event Summary

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Key Messages

- A significant storm continues to impact the region late through this evening with flooding rain, strong winds, and coastal flooding.
- Period of greatest impact: Daytime today

What We Are Certain Of:

- 3-5” of rain in the mountains and foothills will lead to minor to moderate flooding of rivers and tributaries.
- Strong, damaging winds expected on the coast.
- No wintry precipitation.

What We Are Less Certain Of:

- Higher end of impacts

	<ul style="list-style-type: none"> ● Minor to moderate tributary and main stem river flooding possible. Widespread poor drainage and low-lying area flooding possible. Localized flash flooding also possible, especially across the terrain.
	<ul style="list-style-type: none"> ● Damaging winds possible along with coast with scattered to numerous power outages. Strong, gusty winds likely areawide with scattered power outages possible.
	<ul style="list-style-type: none"> ● Minor to moderate coastal flooding and overwash expected. Severe beach erosion is likely.
	<ul style="list-style-type: none"> ● Storm force southeasterly winds possible along with seas of 15-25 ft outside of the bays.
	<ul style="list-style-type: none"> ● No wintry impacts are expected with this system.



Contact and Next Briefing Information

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For New Hampshire and Western Maine



Briefing Webpage

- www.weather.gov/gyx/EMhome
- www.weather.gov/gyx/winter



Next Briefing

- This is the last update unless conditions warrant.



Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 5:00 PM 12/18



Contact Information

Web

- www.weather.gov/gyx

Phone (public)

- (207) 688-3216

Email

- gyx.skywarn@noaa.gov

Facebook

- [NWSGray](https://www.facebook.com/NWSGray)

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