



## Decision Support Briefing #2

→ Saturday December 16th 2023, 5AM

NEW

## Wind and Marine Headlines in Effect

- High Wind Watch for RI/MA coastline
- Storm Watch for the coastal waters

**Timing: Overnight Sunday through Monday**

## Hazards



### Current Watches, Warnings, and Advisories

- Wind Advisory
- High Wind Watch
- Storm Watch







Graphic Created  
December 16th, 2023  
3:37 AM CST



# Key Points

December 16, 2023  
4:58 AM

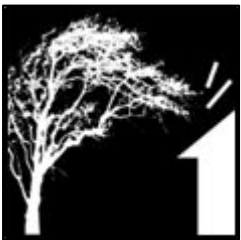
Hazard		Impacts	Location	Timing
<b>Damaging Wind</b>		Downed trees/power lines and power outages possible	RI/MA south coast, including Cape/Islands	Overnight Sunday through Monday Evening
<b>Coastal Flooding</b>		Minor to moderate flooding coastal roads	Narragansett Bay, and RI/MA south coast	Monday noon high tide
<b>Flooding Rain</b>		Significant street flooding & Minor/moderate river/stream flooding	West of I-95 corridor, especially CT into adjacent MA	Overnight Sunday into Monday
<b>Hazardous Winds/Seas</b>		Dangerous sea conditions for vessels	MA and RI waters	Sunday evening through Monday night





# Summary of Greatest Impacts

December 16, 2023  
4:58 AM



<b><u>Wind:</u></b>	All of southern New England, especially coast				
None	Limited	Elevated	Significant	Extreme	



<b><u>Coastal Flooding:</u></b>	<b>South Coastal MA and RI</b>				
<b>None</b>	<b>Limited</b>	<b>Elevated</b>	<b>Significant</b>	<b>Extreme</b>	



<b><u>Flooding Rain:</u></b>	<b>CT and western MA</b>				
<b>None</b>	<b>Limited</b>	<b>Elevated</b>	<b>Significant</b>	<b>Extreme</b>	



<b><u>Marine Travel:</u></b>	<b>MA and RI waters</b>				
<b>None</b>	<b>Limited</b>	<b>Elevated</b>	<b>Significant</b>	<b>Extreme</b>	

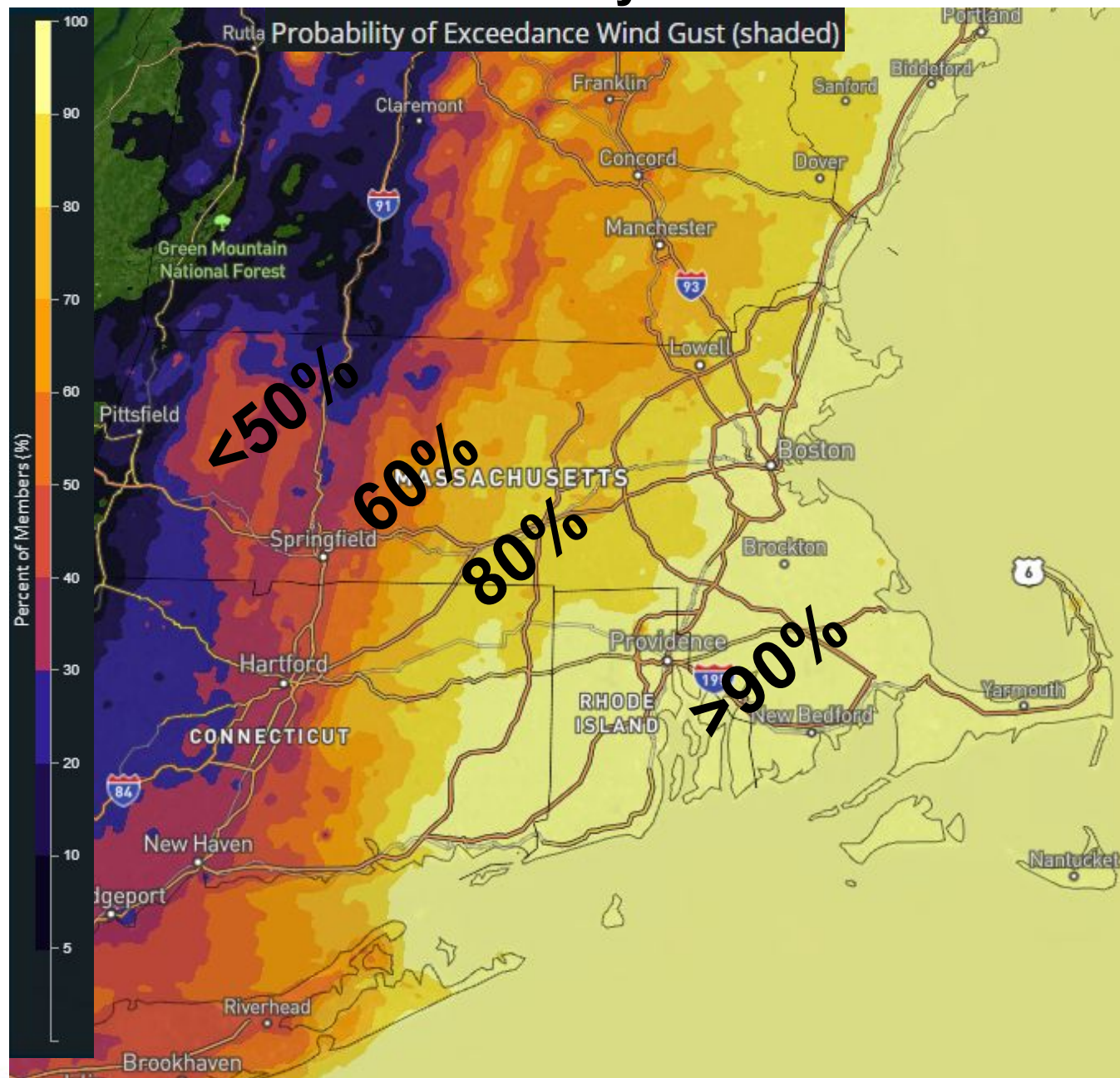




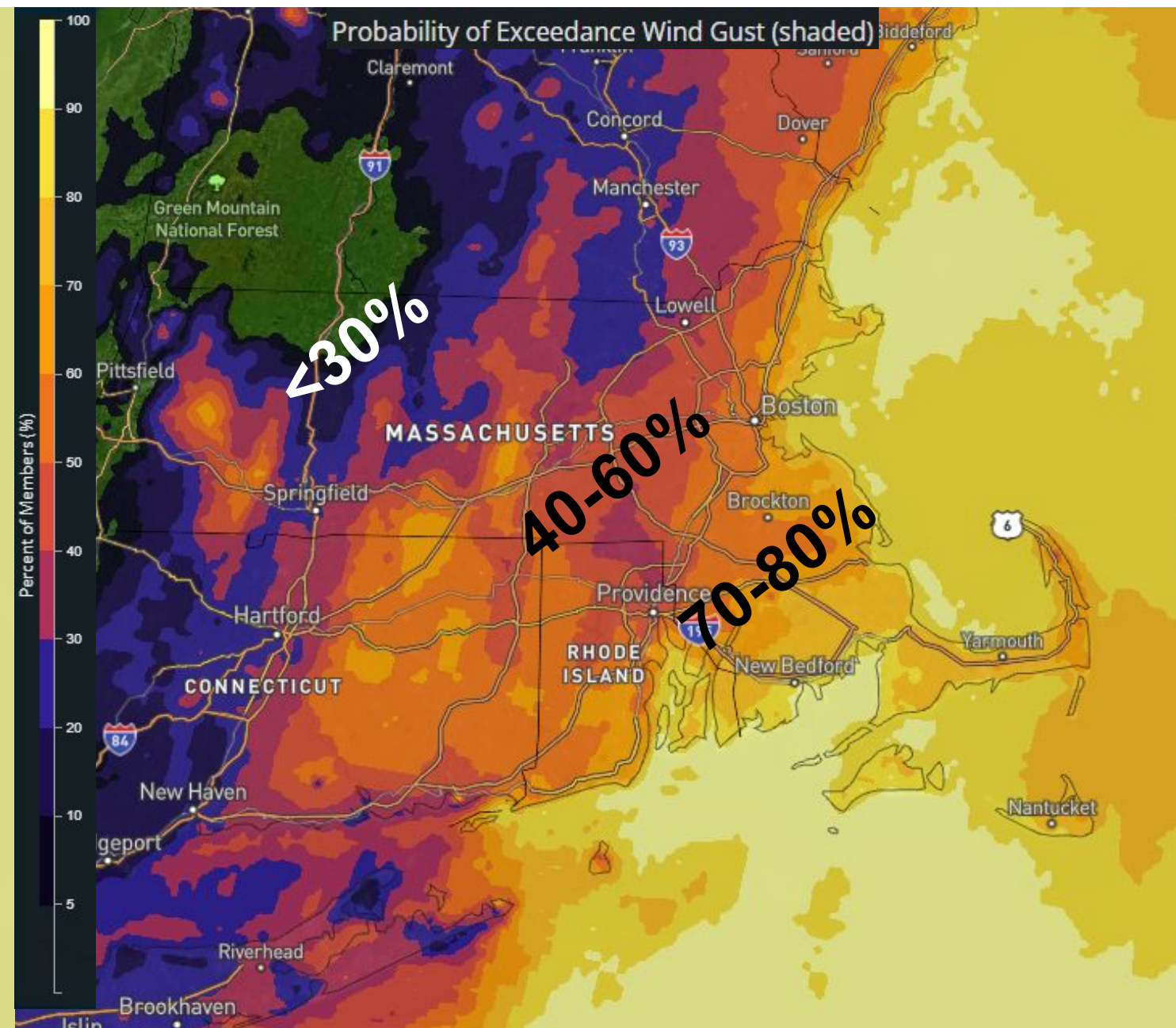


**December 16, 2023**  
**4:58 AM**

## Wind Advisory: 46 MPH



## High Wind Warning: 58 MPH

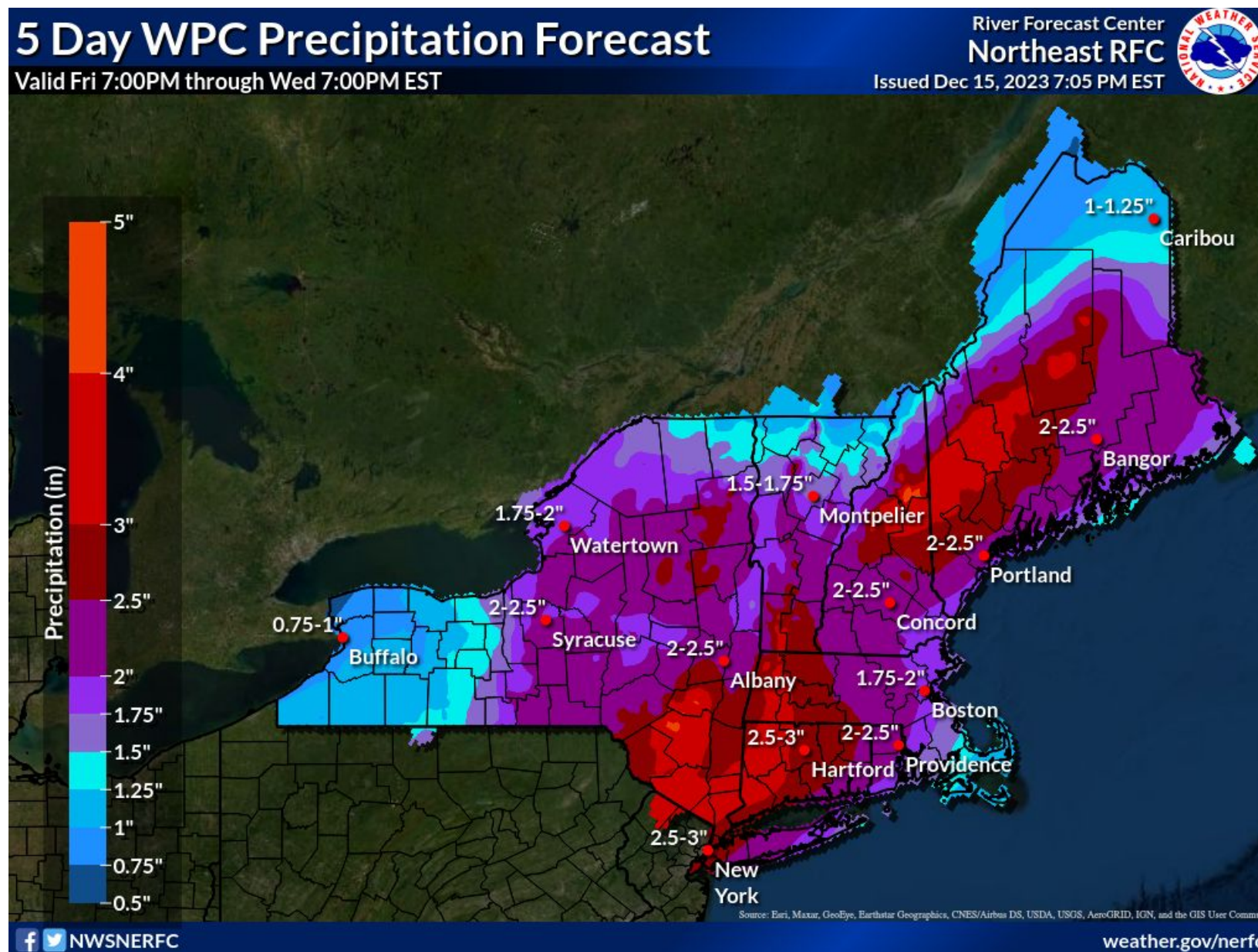






# Anticipated Rain Totals

December 16, 2023  
4:58 AM



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

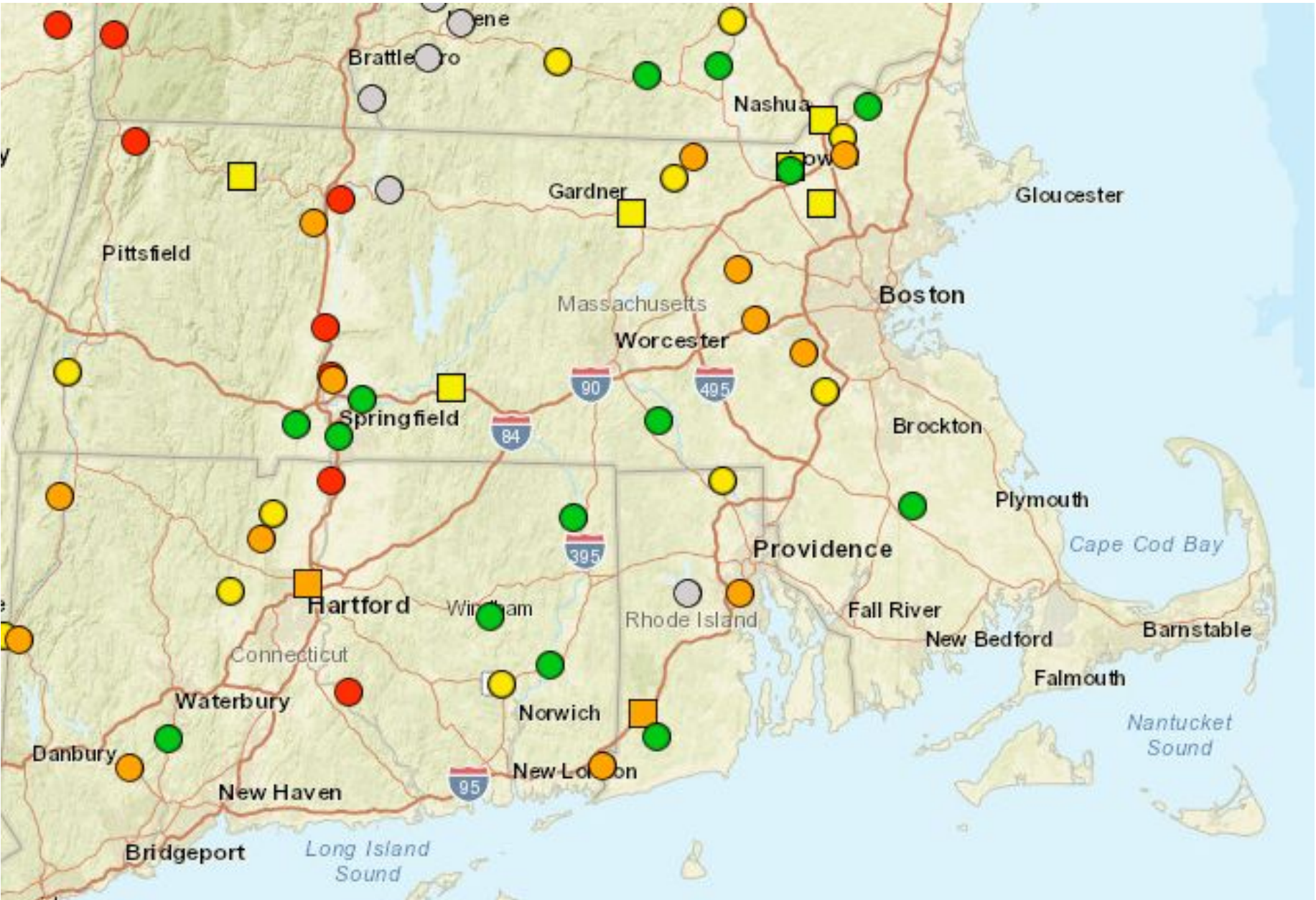
National Weather Service  
Boston / Norton, MA





# River Flood Outlook

December 16, 2023  
4:58 AM



- Minor to Moderate river flooding is possible
- Still uncertainty regarding highest rainfall totals

*Extent and level of flooding is dependent upon rainfall amounts*

Map Legend Below

Chance of Exceedance		
30%	Level	70%
	Action	
	Minor Flood	
	Moderate Flood	
	Major Flood	
= less than 30% chance of reaching Action level		
= no critical levels defined for this point		



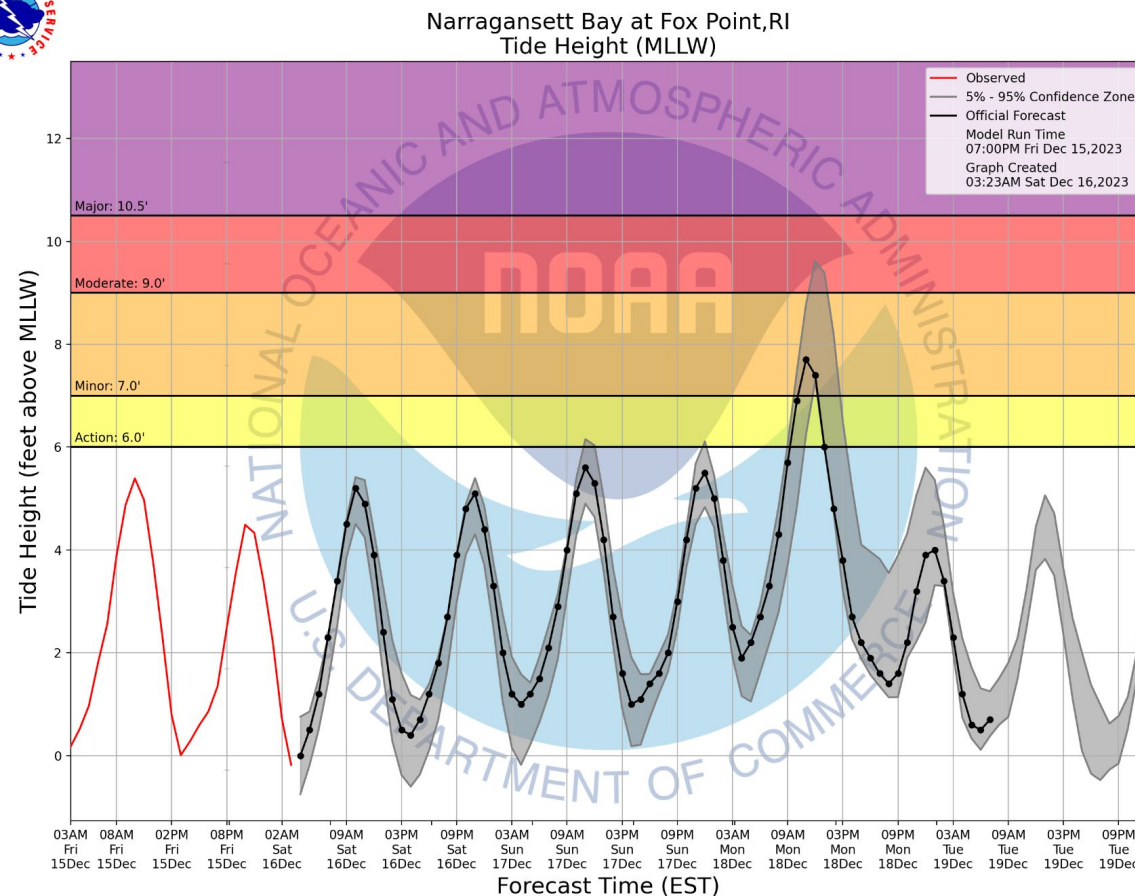




# Coastal Flooding

December 16, 2023  
4:58 AM

## Total Water Level Forecast: Providence



- Minor to moderate flooding most likely during the Monday noon high tide for areas adjacent to Narragansett Bay
- Lower risk of very minor flooding along the rest of RI/MA south and east coasts



*Minor*

*Moderate*

**Minor:** flooding less than one foot deep

**Moderate:** flooding 1 to 2 feet deep



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

National Weather Service  
Boston / Norton, MA



# Coastal Flood Forecast

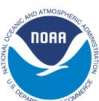
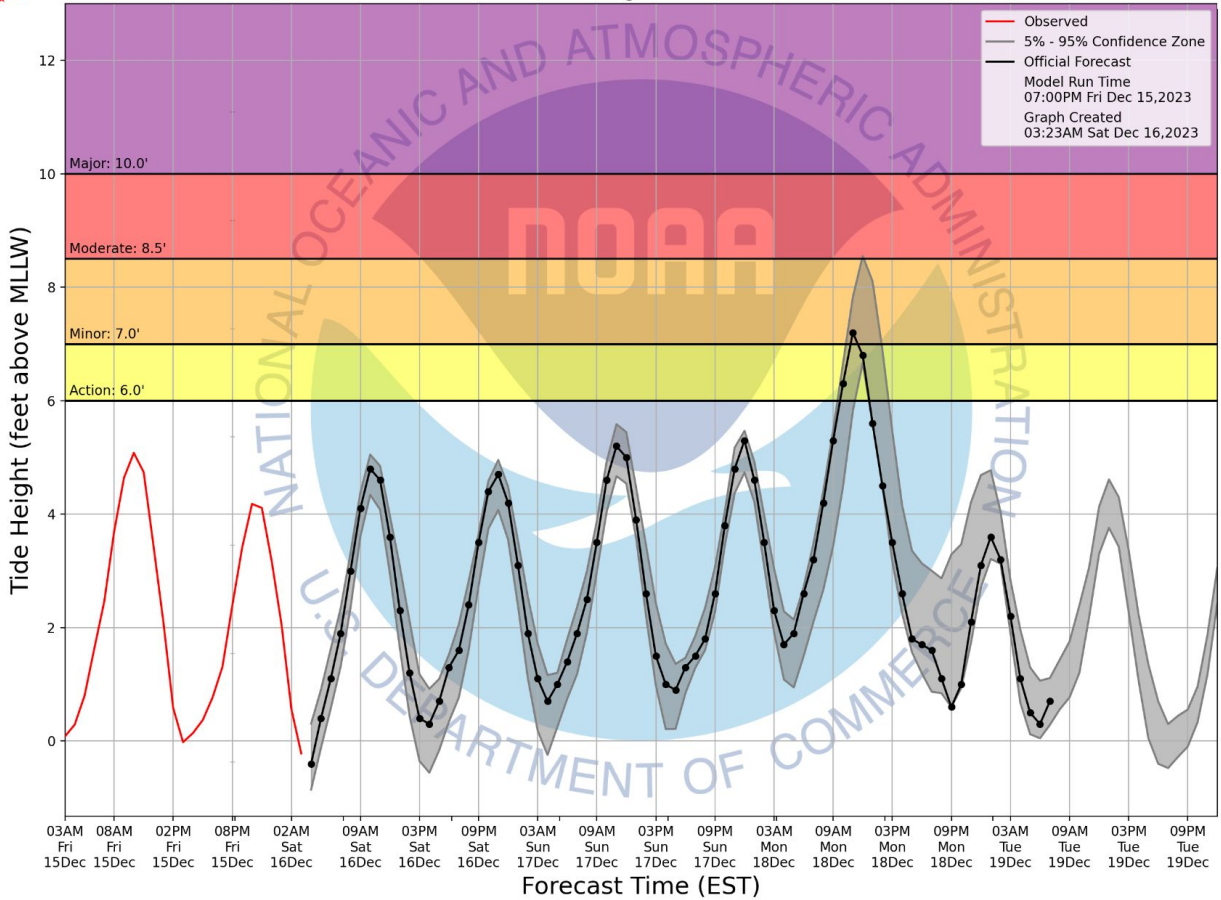
December 16, 2023  
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Increased Threat for Minor to Moderate Coastal Flooding for Coastal RI and Southern MA

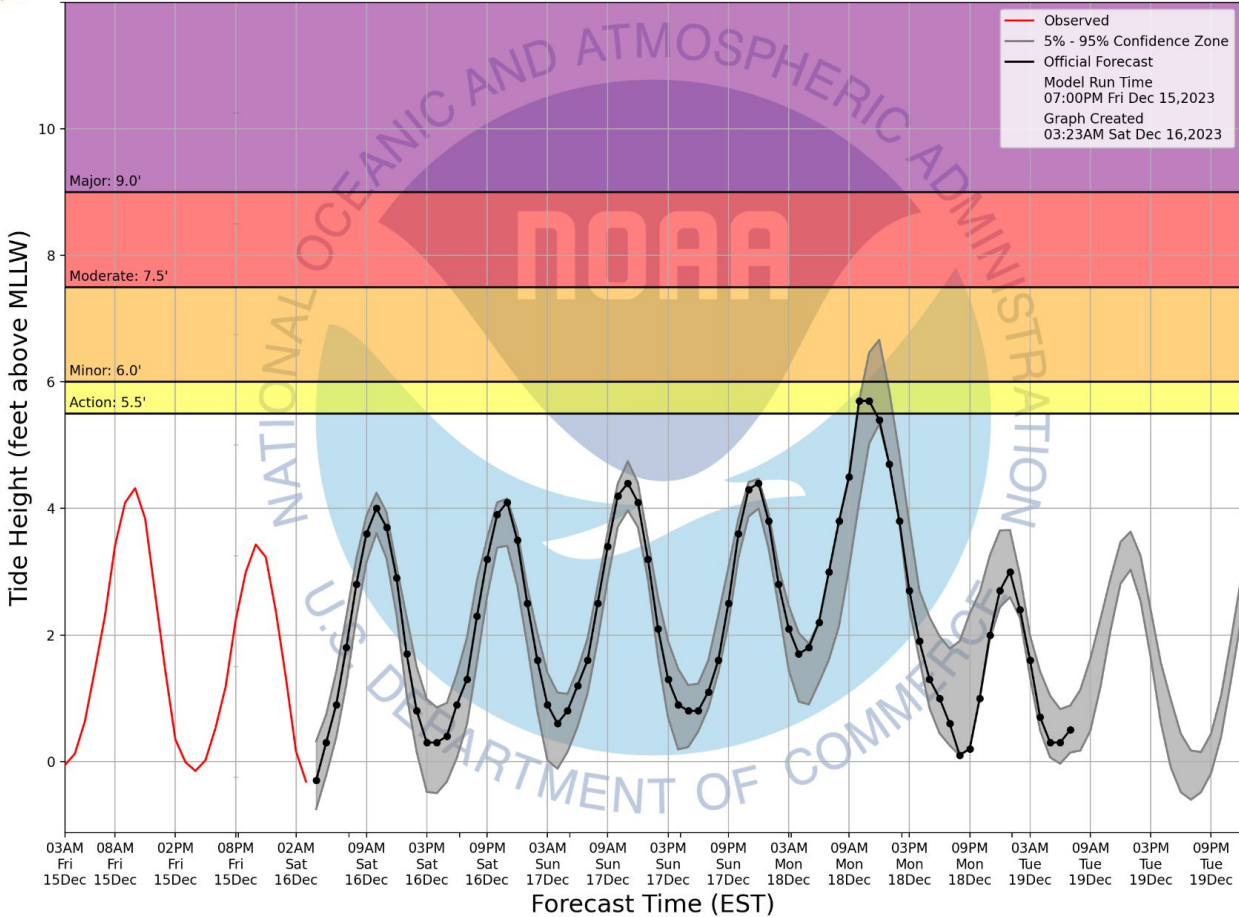
**\*\*Flood threat is contingent on the Monday lunchtime high tide coinciding with the timing of highest southeast winds.\*\***



Narragansett Bay at Conimicut Light, RI  
Tide Height (MLLW)



Narragansett Bay at Newport Harbor, RI  
Tide Height (MLLW)







# Threat Event Summary

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➤ **Confidence:** Moderate (50%) on a high impact storm

➤ **What:**



Downed trees/power lines from 40-60 mph winds, strongest coast



Minor to moderate coastal flooding, especially along Narragansett Bay



Minor to moderate river/stream flooding. Significant street flooding likely



Dangerous conditions for marine vessels Sun evening through Monday

➤ **Where:** All of southern New England (CT, MA, and RI)

➤ **When:** Overnight Sunday into Monday





# Contact and Next Briefing Information

December 16, 2023  
4:58 AM

**Next Briefing:**

**6 PM Saturday**

**Disclaimer:** The information contained within this briefing is time-sensitive, do not use after 6 PM, Saturday, December 16.



[www.weather.gov/boston](http://www.weather.gov/boston)



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