



National Weather Service Boston / Norton

Decision Support Briefing #1 ***Saturday, December 9, 2023*** ***4:50 AM***

Potential for:

- Damaging Winds
- Coastal Flooding
- Flooding Rain
- Hazardous Marine Travel

Late Sunday - Monday



What Has Changed:

- ***Increasing confidence on an impactful storm Sun-Mon***
 - High Wind Watch for Cape Cod and Islands
 - Storm Watch for MA/RI coastal waters
 - Coastal Flood Watch for Narragansett Bay, RI
 - Flood Watch for northern CT and western/central MA



Current Watches, Warnings, and Advisories

- Flood Watch
- High Wind Watch
- Coastal Flood Watch
- Gale Watch
- Storm Watch



Graphic Created
December 9th, 2023
1:15 AM CST







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



Key Points

December 9, 2023
4:50 AM

Hazard		Impacts	Location	Timing
Damaging Wind		Downed trees/power lines and power outages	All of southern New England, especially near the coast	Sunday night into Monday morning
Coastal Flooding		Minor to moderate flooding of coastal roads	South Coastal MA/RI	Early Monday morning high tide
Flooding Rain		Minor river and stream flooding	CT and Western MA	Sunday night
Hazardous Winds/Seas		Dangerous conditions for vessels	MA and RI waters	Sunday night into Monday





Summary of Greatest Impacts

December 9, 2023
4:50 AM



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



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



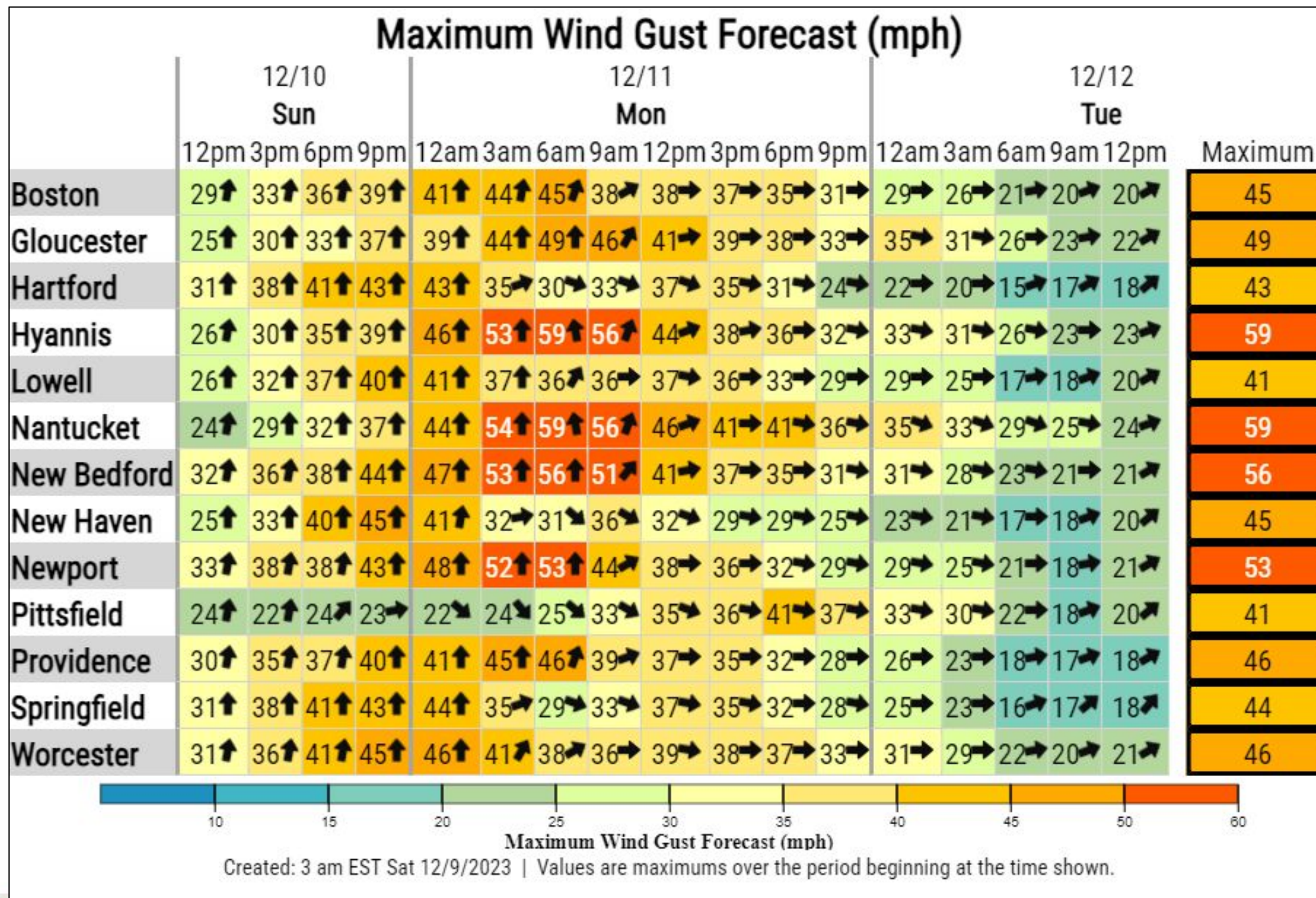
<u>Flooding Rain:</u>	CT and western MA				
None	Limited	Elevated	Significant	Extreme	





Wind Gust Forecast

December 9, 2023
4:50 AM



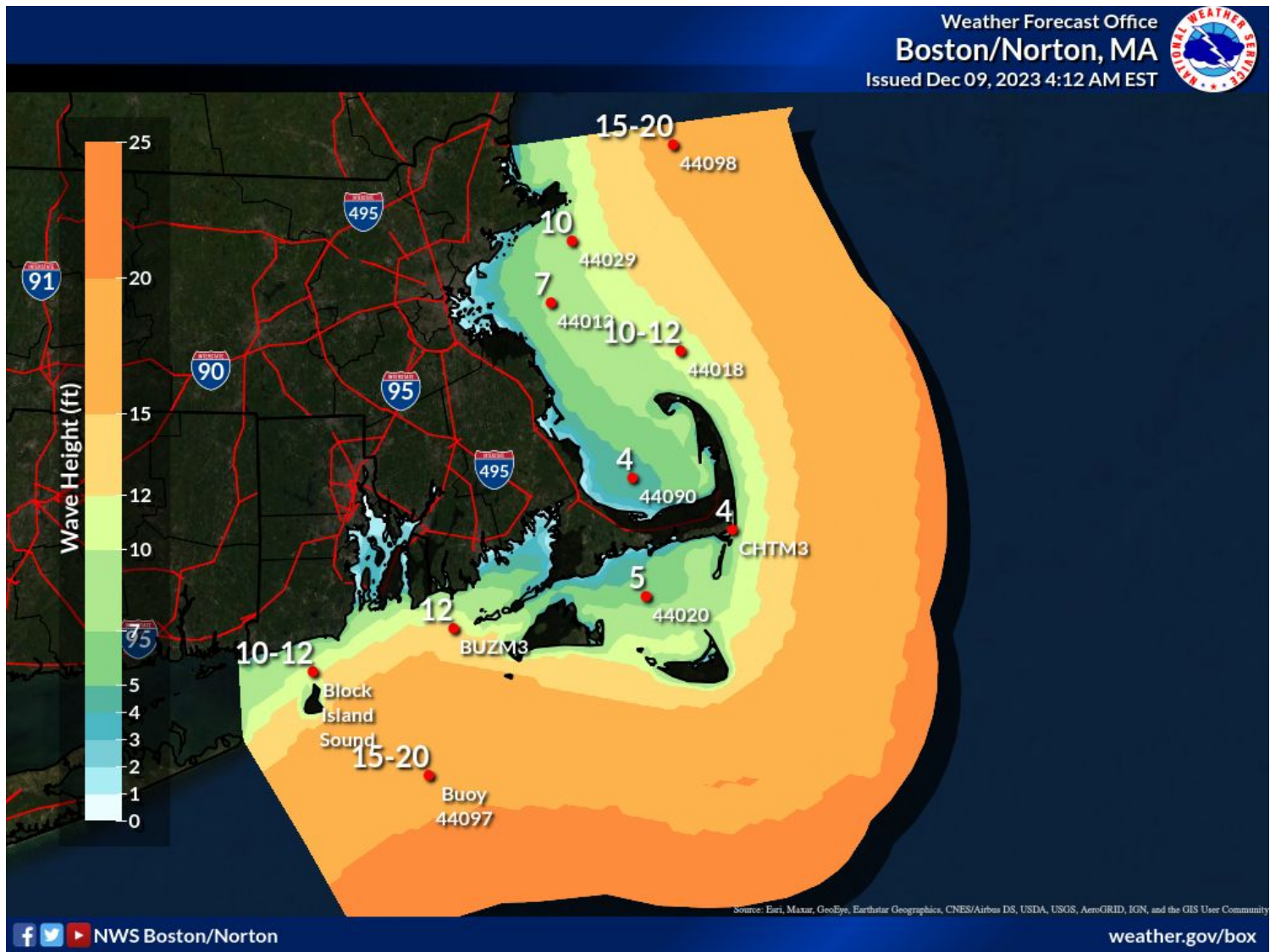
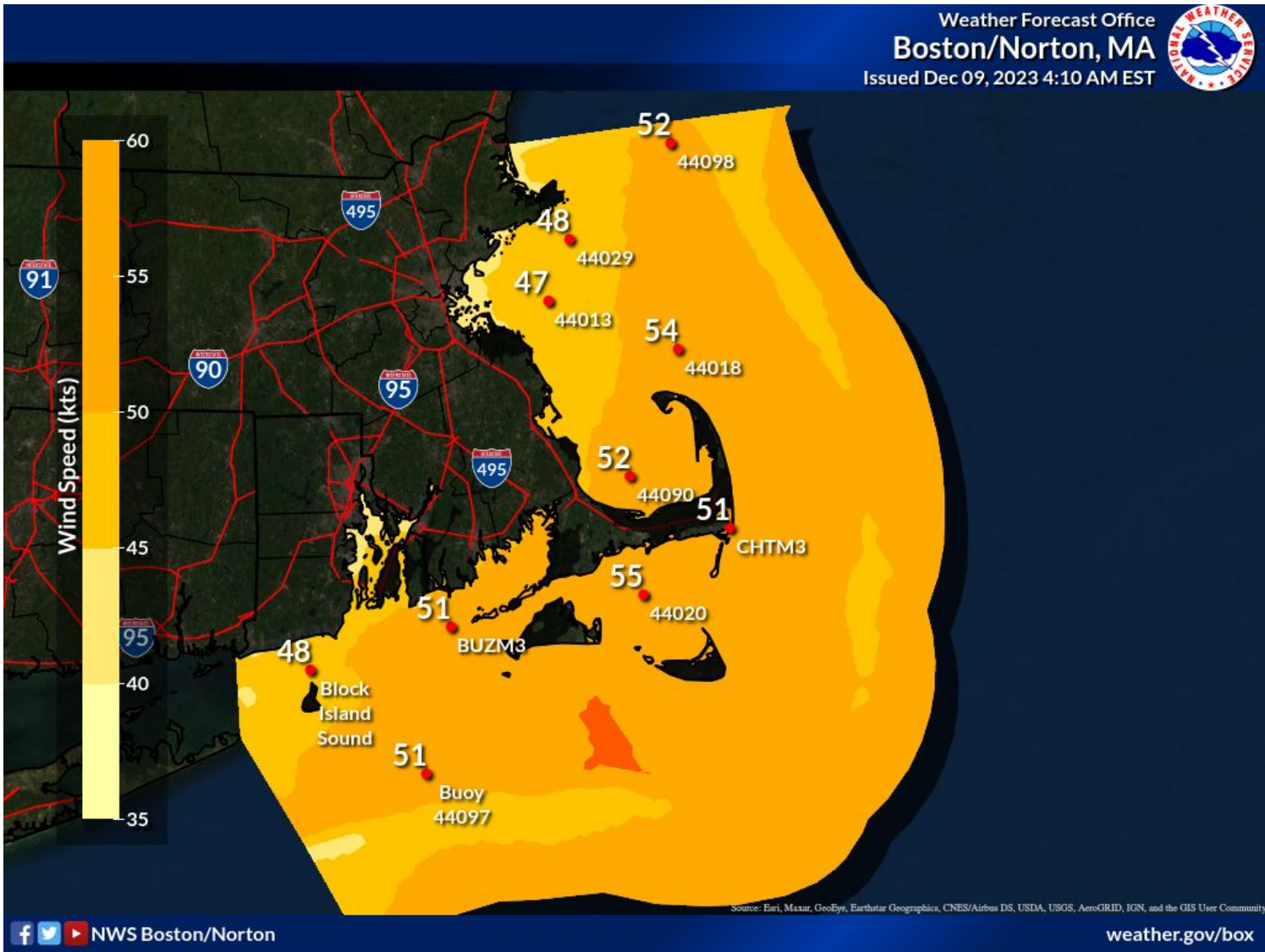
- Peak winds late Sunday night into early Monday morning





Coastal Waters Winds and Seas

December 9, 2023
4:50 AM



Winds peak Sunday night into Monday morning

Highest seas Monday



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

National Weather Service
Boston / Norton, MA



Expected Weather

December 9, 2023
4:50 AM

	Weather Forecast																
	12/10 Sun				12/11 Mon								12/12 Tue				
	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm
Boston	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Gloucester	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Hartford	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Hyannis	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Lowell	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Nantucket	☔	☔	☔	☔	☔	☔	☔	☔	☔								
New Bedford	☔	☔	☔	☔	☔	☔	☔	☔	☔								
New Haven	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Newport	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Pittsfield	☔	☔	☔	☔	☔	❄	❄	❄	❄	❄	❄						
Providence	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Springfield	☔	☔	☔	☔	☔	☔	☔	☔	☔								
Worcester	☔	☔	☔	☔	☔	☔	☔	☔	☔								

*Created: 4 am EST Sat 12/9/2023. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

- Rain +

- Wintry Mix +

- Snow +

- Heaviest rain late Sunday night into early Monday morning
- Rain may change to snow Monday in the higher elevations in and near the Berkshires

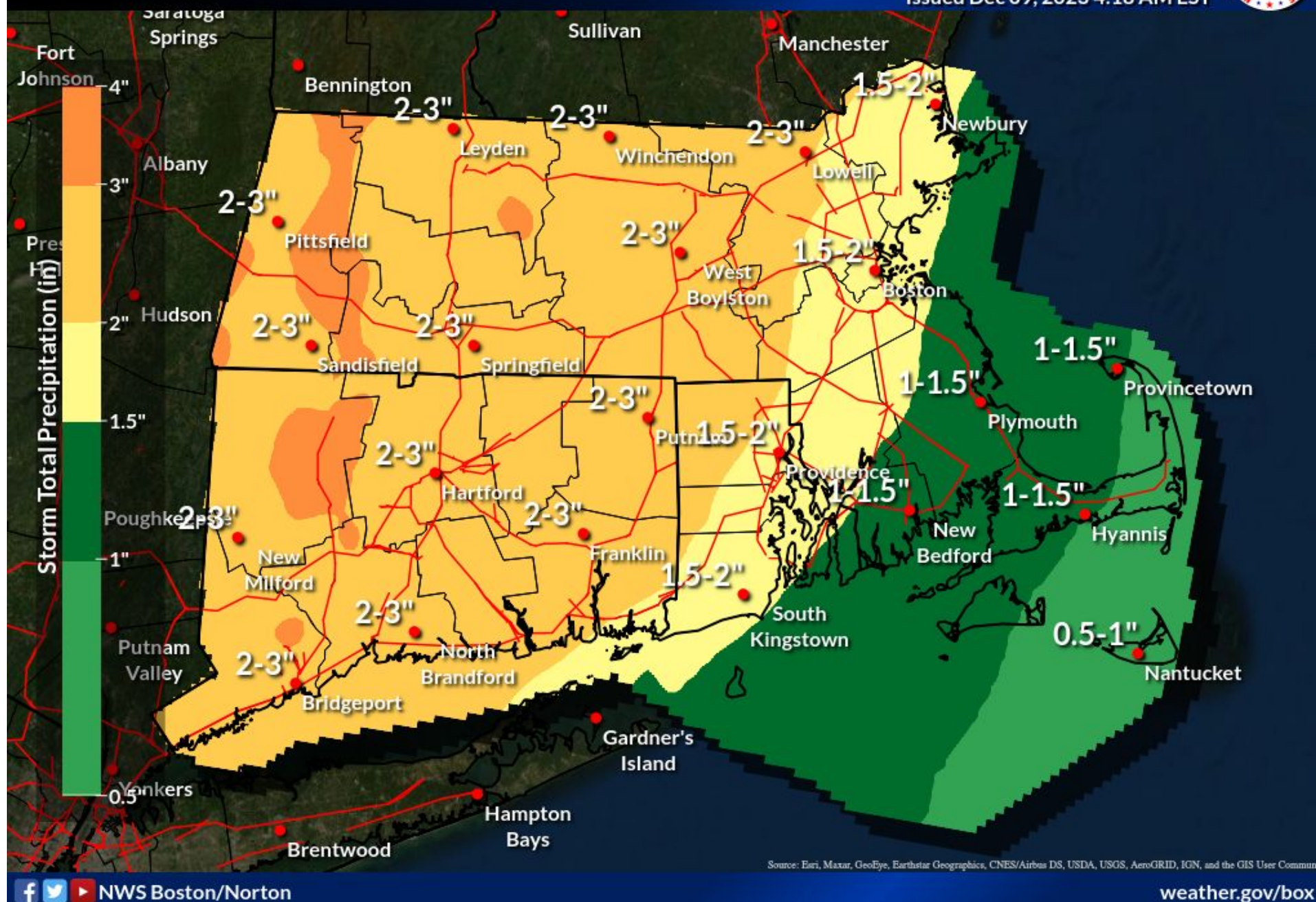




Rainfall Forecast

December 9, 2023
4:50 AM

Weather Forecast Office
Boston/Norton, MA
Issued Dec 09, 2023 4:18 AM EST



- Heaviest rain Sunday night into early Monday morning
- Minor street flooding for the Monday morning commute



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

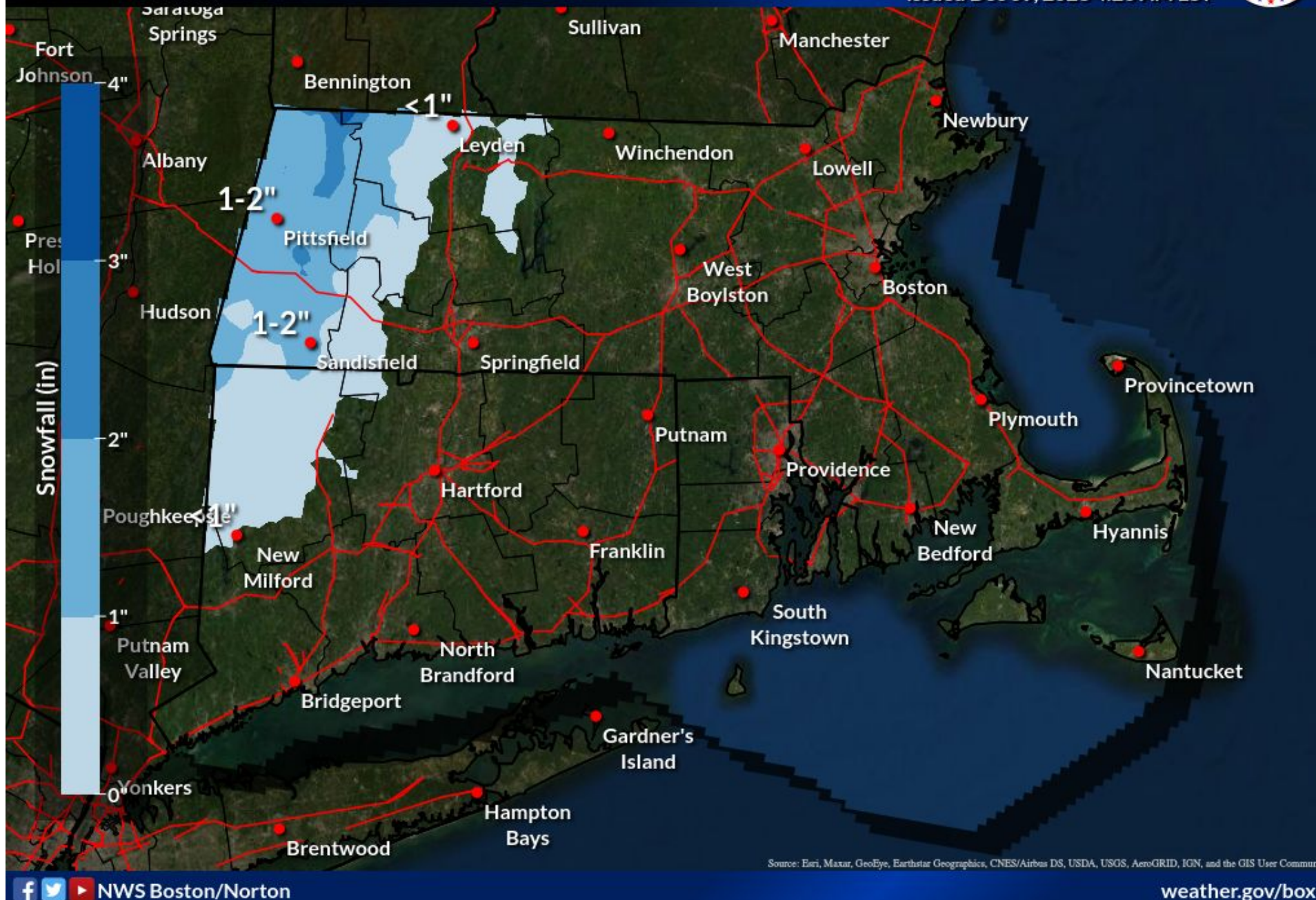
National Weather Service
Boston / Norton, MA



Snowfall Forecast

December 9, 2023
4:50 AM

Weather Forecast Office
Boston/Norton, MA
Issued Dec 09, 2023 4:20 AM EST



- Rain should change to snow Monday in and near the Berkshires
- Accumulations should be limited to the higher elevations

NWS Boston/Norton

weather.gov/box

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



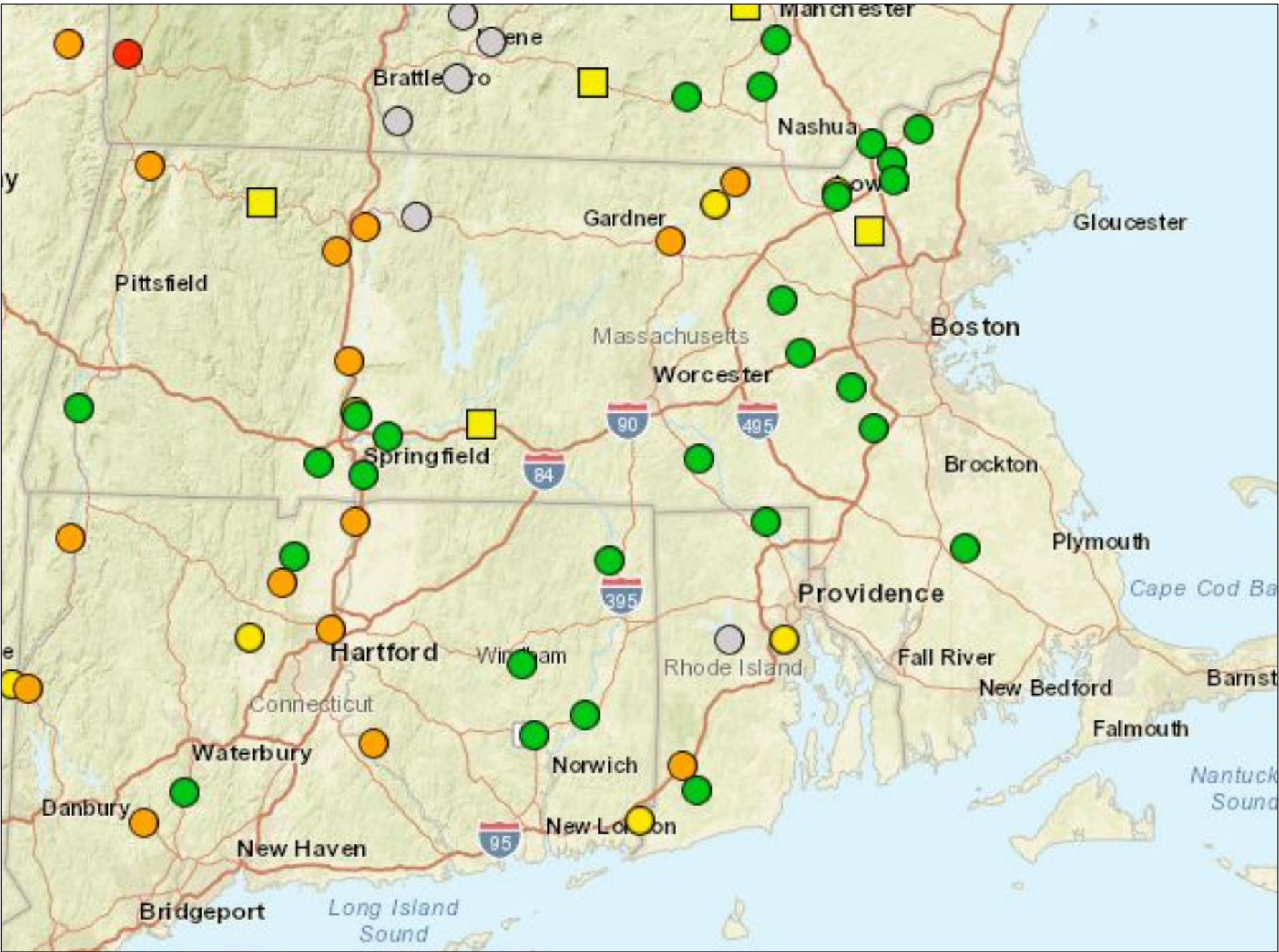
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Boston / Norton, MA



River Flood Outlook

December 9, 2023
4:50 AM



- **Minor river flooding is possible Monday along and near the mainstem Connecticut River**

(Orange circles = 30% chance)

Extent and level of flooding is dependent upon rainfall amounts

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		

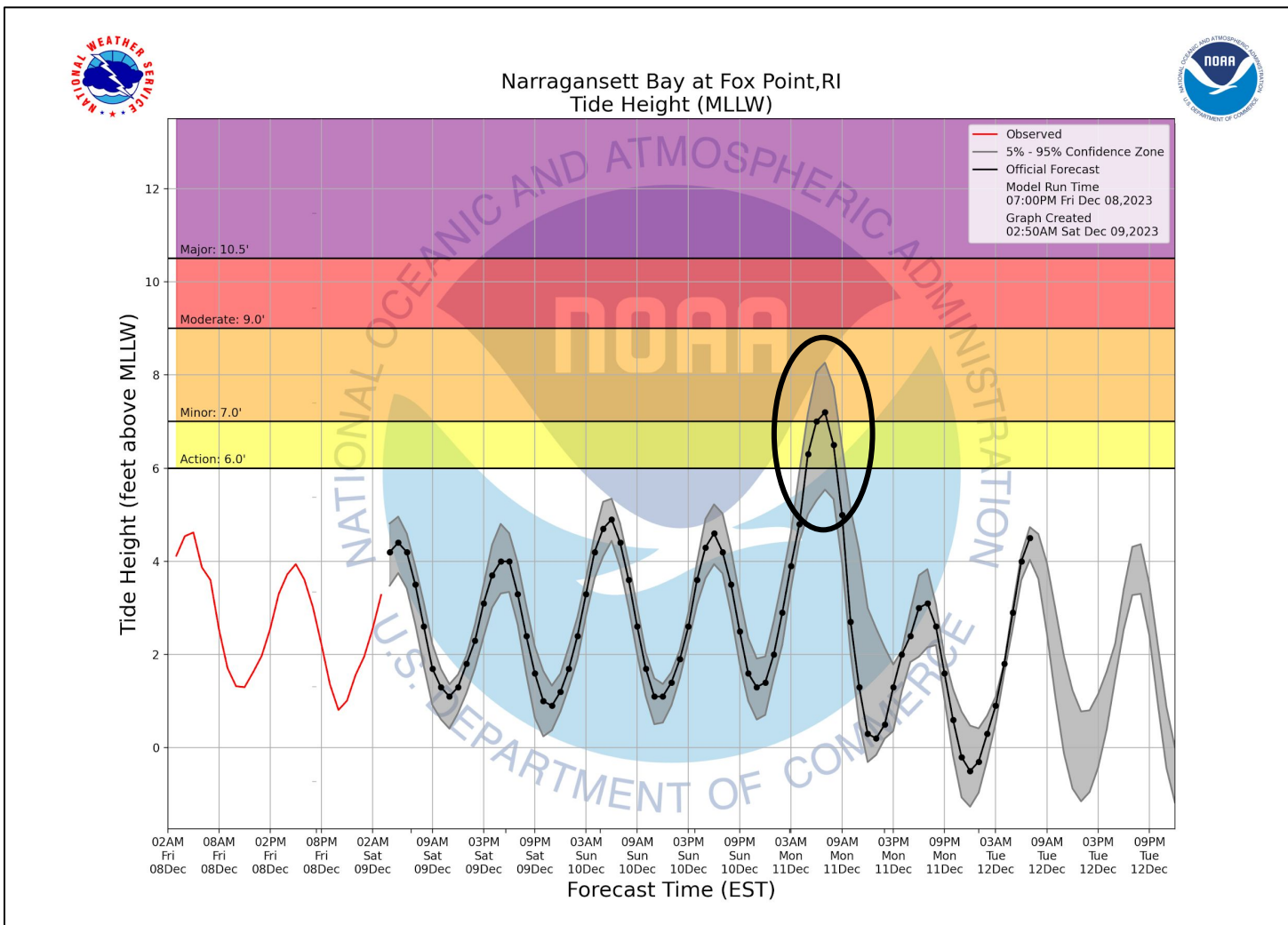




Coastal Flooding

December 9, 2023
4:50 AM

Total Water Level Forecast: Providence



- Minor flooding most likely early Monday morning along south coastal MA/RI.
- Close to Moderate flooding on the upper end of Narragansett Bay including Providence.



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



Temperature Forecast

December 9, 2023
4:50 AM

Maximum Temperature Forecast																	
	12/10 Sun				12/11 Mon								12/12 Tue				
	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm
Boston	61	60	59	59	58	58	55	49	44	43	38	37	34	33	32	39	42
Gloucester	56	56	55	54	54	53	52	49	46	44	39	37	34	33	34	40	42
Hartford	59	59	59	58	57	52	47	41	42	42	38	35	33	31	31	39	42
Hyannis	55	55	52	53	53	53	53	52	48	44	41	38	35	33	35	41	42
Lowell	58	59	58	58	58	55	51	45	43	42	38	35	34	32	30	38	41
Nantucket	56	55	53	53	53	54	54	53	49	45	42	40	39	37	38	41	43
New Bedford	59	59	57	55	55	55	55	50	46	44	39	35	34	32	33	40	42
New Haven	58	58	57	56	55	51	45	43	44	43	39	36	34	32	30	39	43
Newport	58	57	57	57	57	57	55	49	45	43	40	38	37	34	34	40	42
Pittsfield	55	55	54	51	46	39	35	36	37	36	33	29	28	27	27	33	39
Providence	59	59	58	58	58	58	54	47	44	43	38	35	34	33	31	40	42
Springfield	57	59	59	57	56	51	46	40	41	40	36	34	33	32	30	37	41
Worcester	57	58	57	57	56	55	50	43	40	40	36	33	31	30	29	36	39
*Table values in °F																	
**Created: 4 am EST Sat 12/9/2023																	
***Values are maximums over the period beginning at the time shown.																	





Threat Event Summary

December 9, 2023
4:50 AM

➤ **Confidence: Moderate (60%) on a high impact storm**

➤ **What:**



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



Minor to moderate coastal flooding along south coastal MA/RI



Minor river/stream flooding in CT and western MA



Dangerous conditions for marine vessels Sun night into Mon

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

➤ **When: Sunday night into Monday**



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

National Weather Service
Boston / Norton, MA



Next Briefing:

When: 6 PM Saturday, December 9

Method: Email

Disclaimer: The information contained within this briefing is time-sensitive, do not use after 5 pm, Saturday, December 9



www.weather.gov/boston



Phone (public):
508-622-3250



Facebook:

www.facebook.com/NWSBoston



Twitter:

www.twitter.com/NWSBoston



**National Weather Service
Boston / Norton, MA**