

National Weather Service Boston / Norton

Decision Support Briefing #3

Saturday December 16th 2023, 4PM



Headlines in Effect

- High Wind Watch from I-95 south and east
- Storm Watch for the coastal waters
- Flood Watch for central and \rightarrow western MA as well as most of CT
- **Coastal Flood Watch for** \rightarrow Narragansett Bay

Timing: Overnight Sunday through Monday





Current Watches, Warnings, and Advisories

Coastal Flood Warning Wind Advisory

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







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Key Points

Hazaı	rd	Impacts	Location	т
Damaging Wind	1	Downed trees/power lines and power outages possible	RI/MA I-95 south and east, including Cape/Islands	Overnigh through N Evening
Coastal Flooding		Minor to moderate flooding coastal roads	Narragansett Bay, and RI/MA south coast	Monday tide
Flooding Rain		Street flooding & Minor/moderate river/stream flooding	West of I-95 corridor, especially CT into adjacent MA	Overnigh into Mon
Hazardous Winds/Seas		Dangerous sea conditions for vessels	MA and RI waters	Sunday e through N



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evening Monday night

ht Sunday nday

noon high

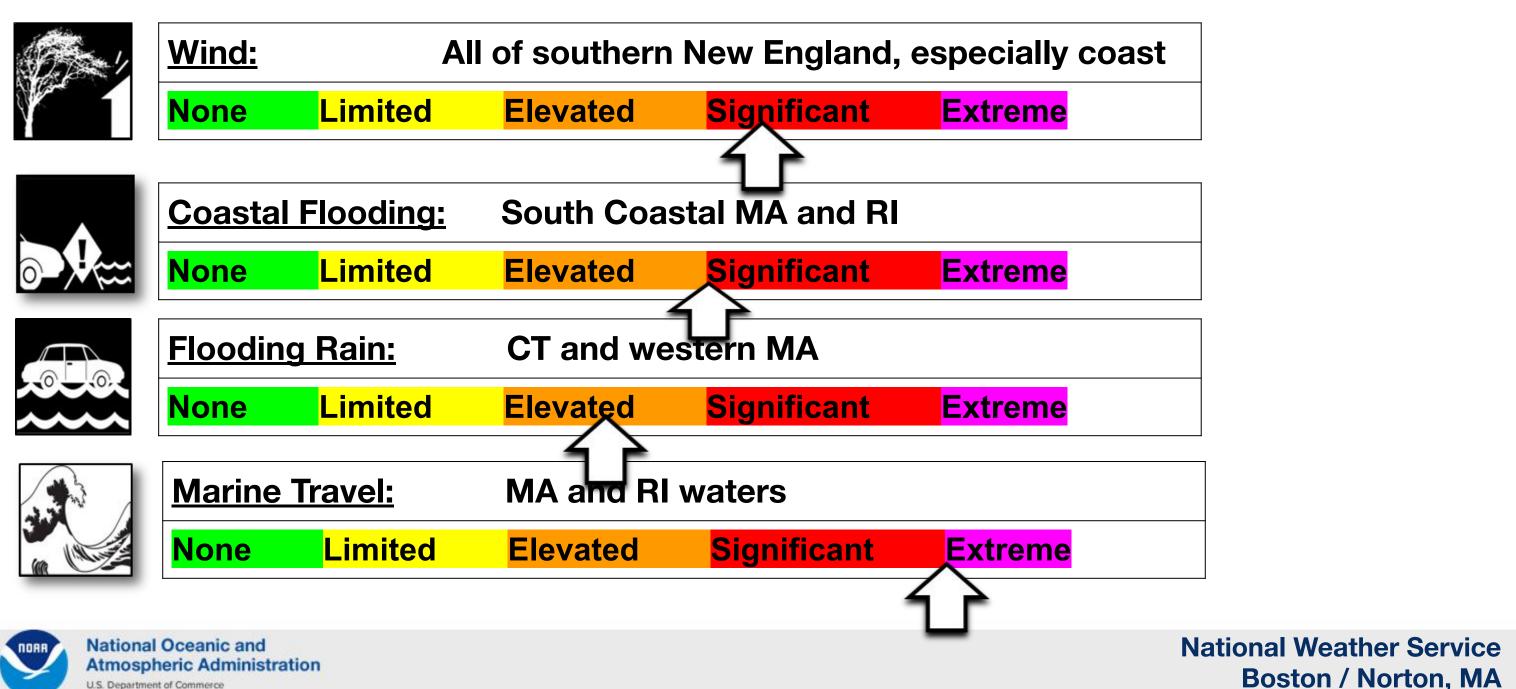
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ht Sunday Monday

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Summary of Greatest Impacts



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Max Wind Gusts

Wind Gusts will peak mid-day Monday



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Maximum Wind Gust Forecast (mph) Created: 2 pm EST Sat 12/16/2023 | Values are maximums over the period beginning at the time shown.



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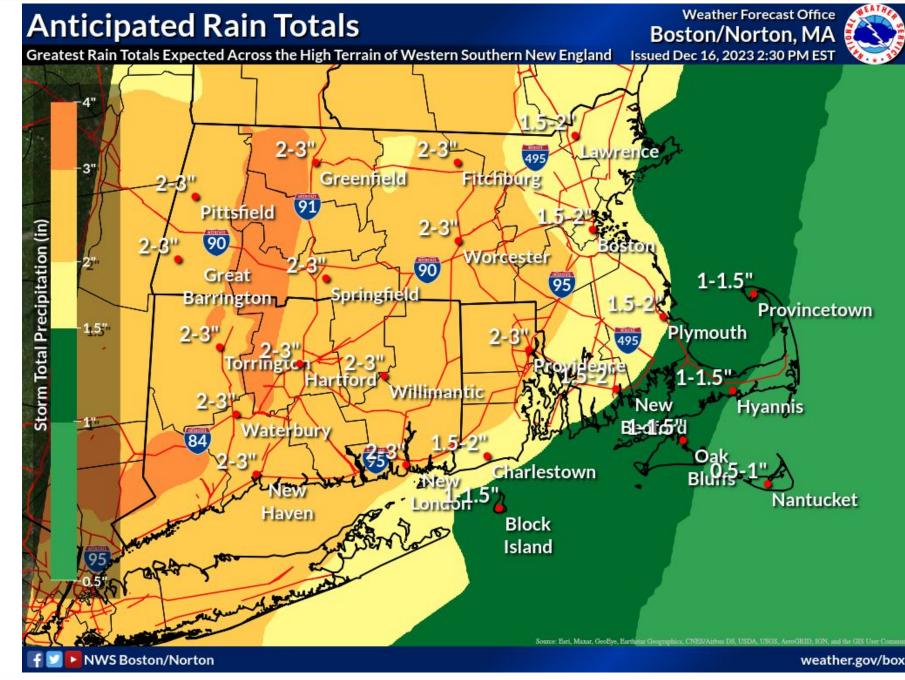
ast (mph)



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Forecast Rain Totals





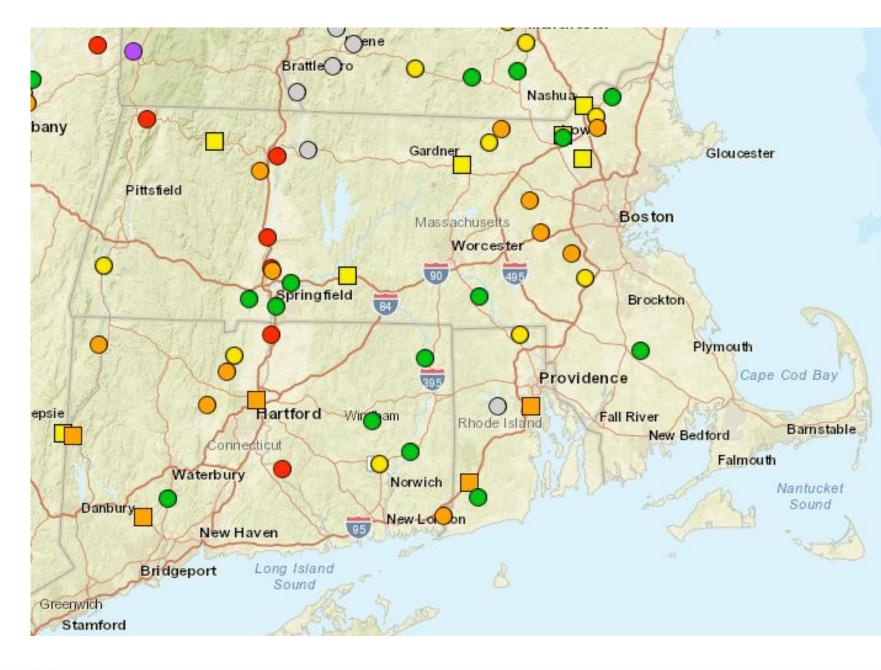
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River Flood Outlook



- possible
- rainfall totals

upon rainfall amounts

Map Legend Below

70%
ng Action leve r this point



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Minor to Moderate river flooding is

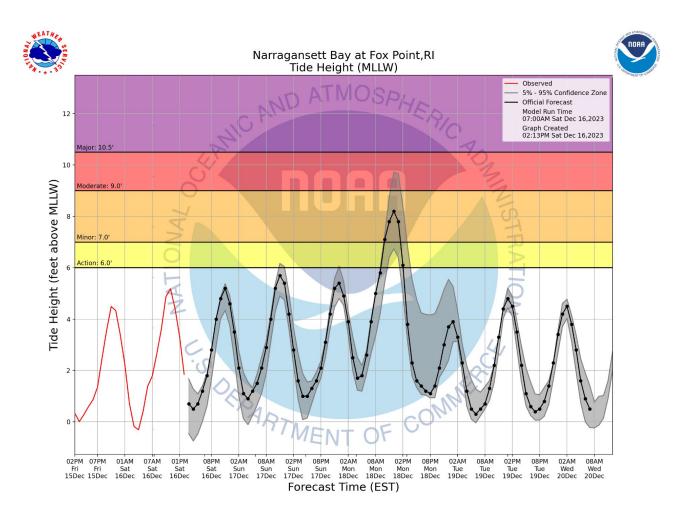
Still uncertainty regarding highest

Extent and level of flooding is dependent



Coastal Flooding

Total Water Level Forecast: Providence



Minor: flooding less than one foot deep Moderate: flooding 1 to 2 feet deep



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

- Growing confidence in at least Minor Coastal Flooding surrounding the Monday mid-day high tide, with the potential for Moderate **Coastal Flooding in Narragansett Bay**
- Lower risk of minor flooding/splash over along the rest of RI/MA south and east coasts



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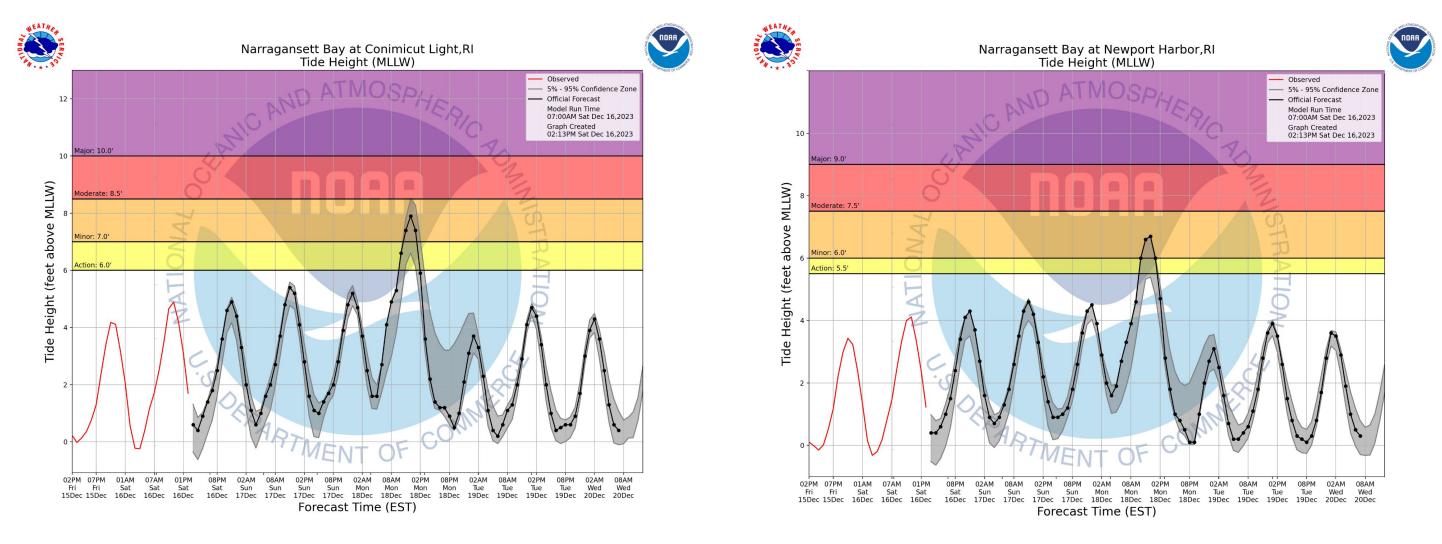
Moderate



Coastal Flood Forecast

High Confidence in impacts from Minor Coastal Flooding with potential Moderate Coastal Flooding in Narragansett Bay

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





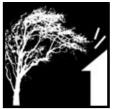
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Threat Event Summary

<u>Confidence:</u> Moderate (50%) on a high impact storm

What:



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



likely



Minor to moderate coastal flooding, especially along **Narragansett Bay**



vessels Sun evening through Monday

<u>Where:</u> All of southern New England (CT, MA, and RI)

<u>When:</u> Overnight Sunday into Monday



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Minor to moderate river/stream flooding. Significant street flooding

Dangerous conditions for marine



Contact and Next Briefing Information

Next Briefing:

6 AM Sunday

Disclaimer: The information contained within this briefing is time-sensitive, do not use after 6 AM, Sunday, December 17.









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