

# **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



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

### evening Monday night

### ht Sunday nday

### noon high

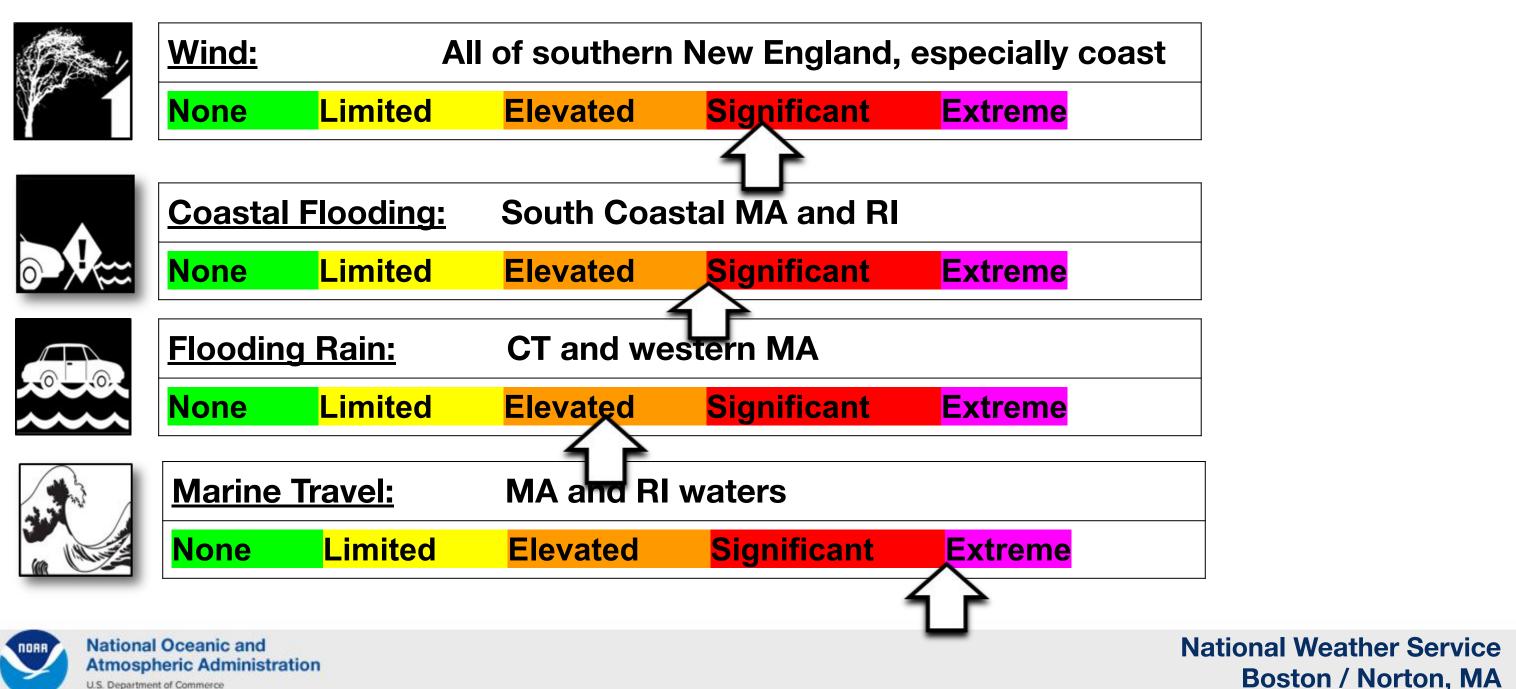
# **Fiming**

### ht Sunday Monday

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# Summary of Greatest Impacts



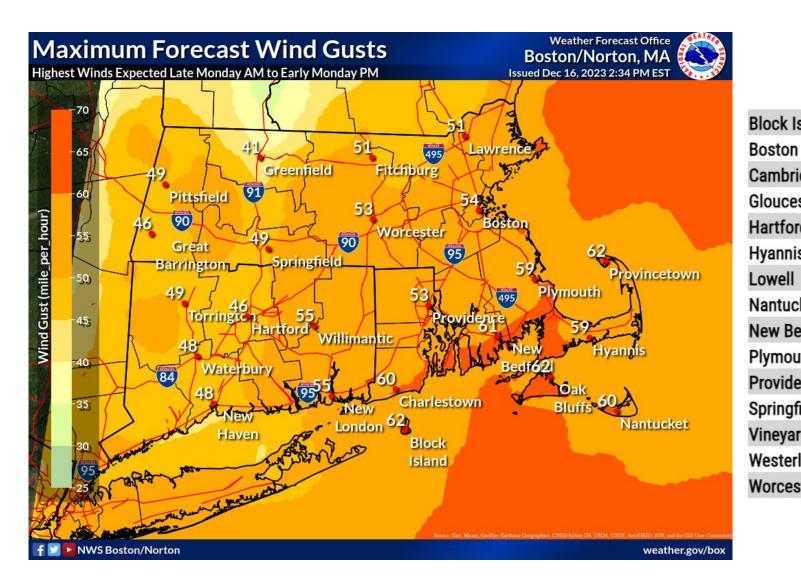
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## **Boston / Norton, MA**



# **Max Wind Gusts**

#### Wind Gusts will peak mid-day Monday



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	10		13		20				10.11		

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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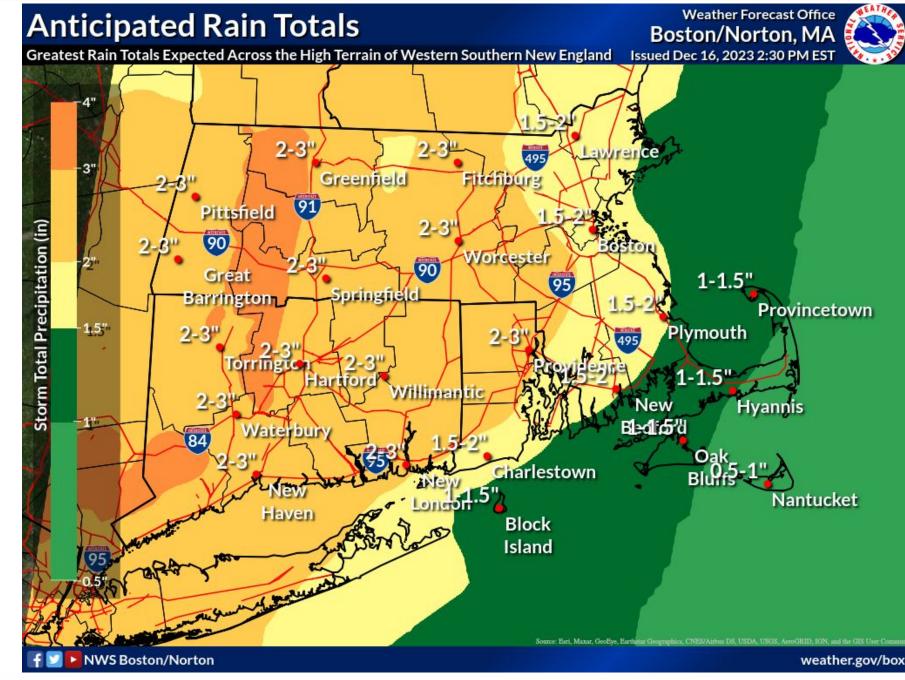
#### ast (mph)



#### **Boston / Norton, MA**



# **Forecast Rain Totals**





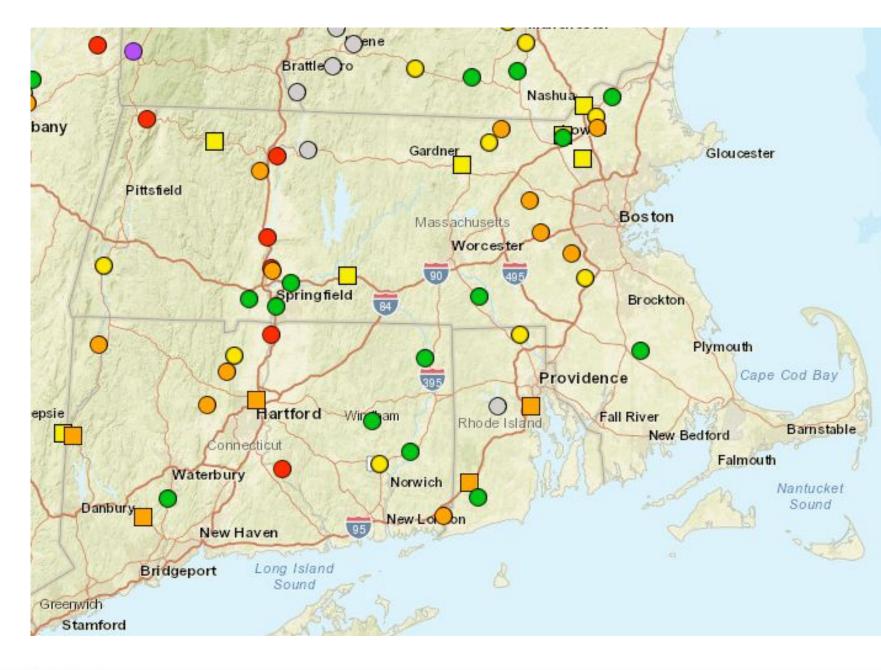
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# **River Flood Outlook**



- 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

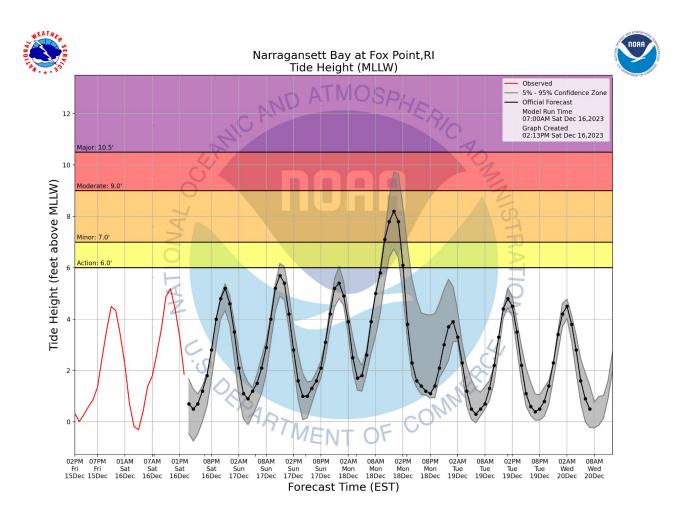
#### **Still uncertainty regarding highest**

# 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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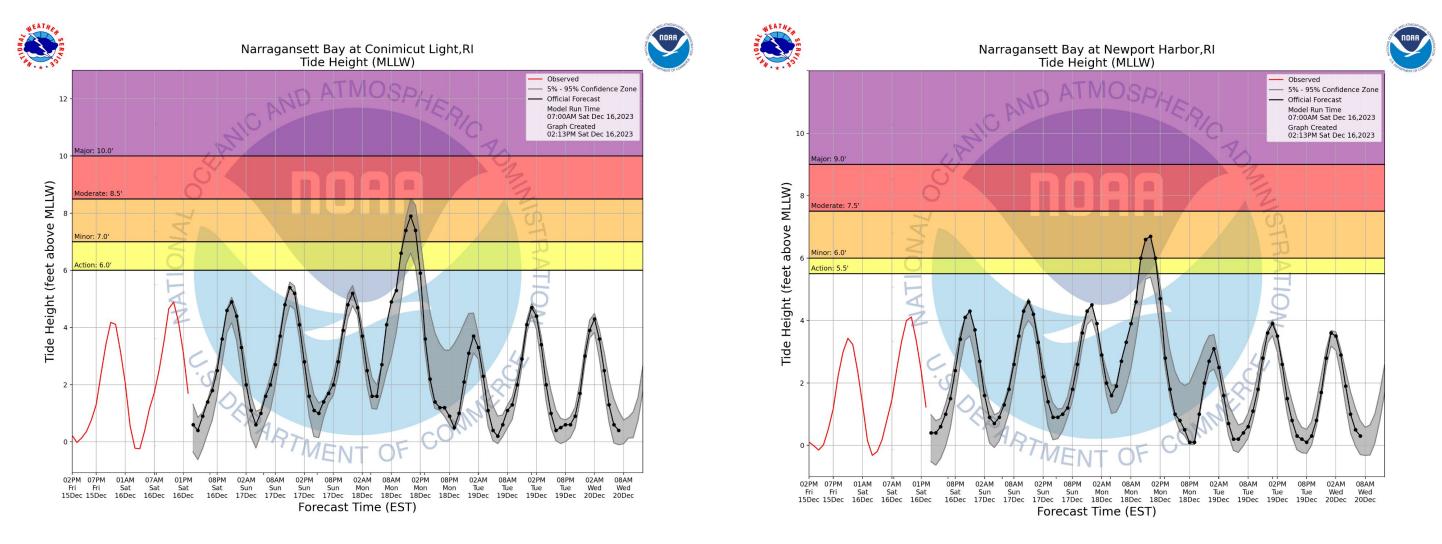
Moderate



# **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.\*\*





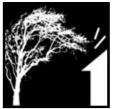
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# Threat Event Summary

## **<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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