

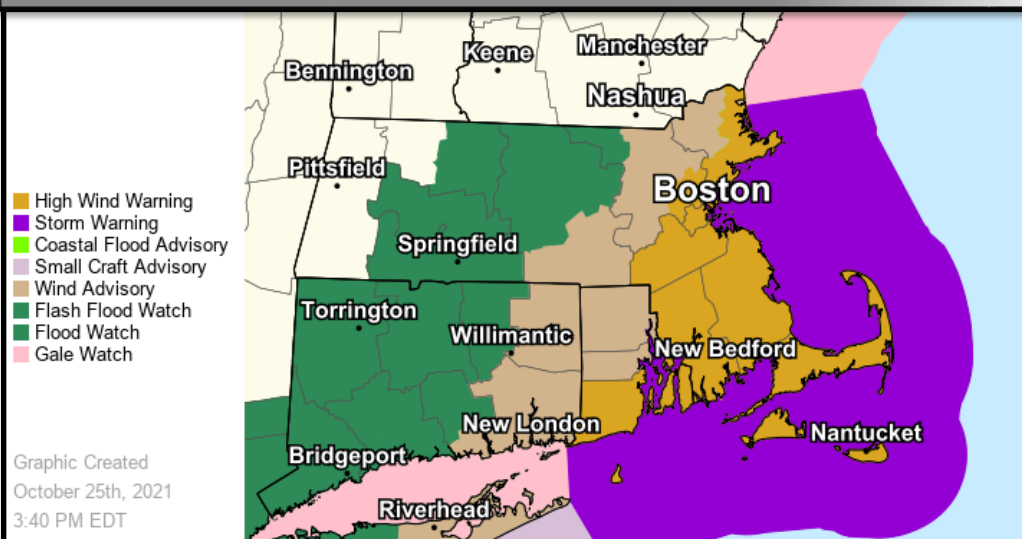
Autumn Nor'easter

National Weather Service
Decision Support Briefing # 1
Monday, October 25, 2021 3:40 PM




What Has Changed?

- ✓ Conversion of Watches to Warnings/Advisories
- ✓ Increased winds/wind gusts.
- ✓ Updated rainfall totals.

Headlines



Main Points

| Hazard | Impacts | Location | Timing |
|--|---|---|--|
| Strong Winds  | <p>Tree and powerline damage Possible power outages. Greater tree damage potential given fully leafed trees & wet ground.</p> | <p>Mainly eastern CT, central and eastern MA, RI, Cape Cod and the Islands.</p> | <p>Strongest winds Tuesday night into Wednesday. Easing later Wednesday.</p> |
| Heavy Rain  | <p>Difficult travel during commutes. Urban and poor drainage flooding. Rises on rivers and streams at or over bankfull.</p> | <p>All of Southern New England.</p> | <p>Rain begins tonight. Heaviest rain potential Tuesday evening into early Wednesday morning.</p> |
| Coastal Flooding  | <p>Minor coastal flooding on vulnerable shoreline roads. Up to 1 ft of inundation above ground level expected. Beach erosion.</p> | <p>Eastern MA coasts.</p> | <p>Morning and late afternoon Wednesday High Tides. Beach erosion: Tuesday afternoon into early Wednesday.</p> |

Summary of Greatest Impacts



Strong Winds: Central/Eastern MA, eastern CT, and RI

None

Limited

Elevated

Significant

Extreme



Heavy Rain: All of Southern New England

None

Limited

Elevated

Significant

Extreme



Coastal Flooding/Beach Erosion: Eastern MA Coast

None

Limited

Elevated

Significant

Extreme



Marine / Coastal Hazards



Wind Related Hazards



Flooding Hazards



Flood Related Hazards

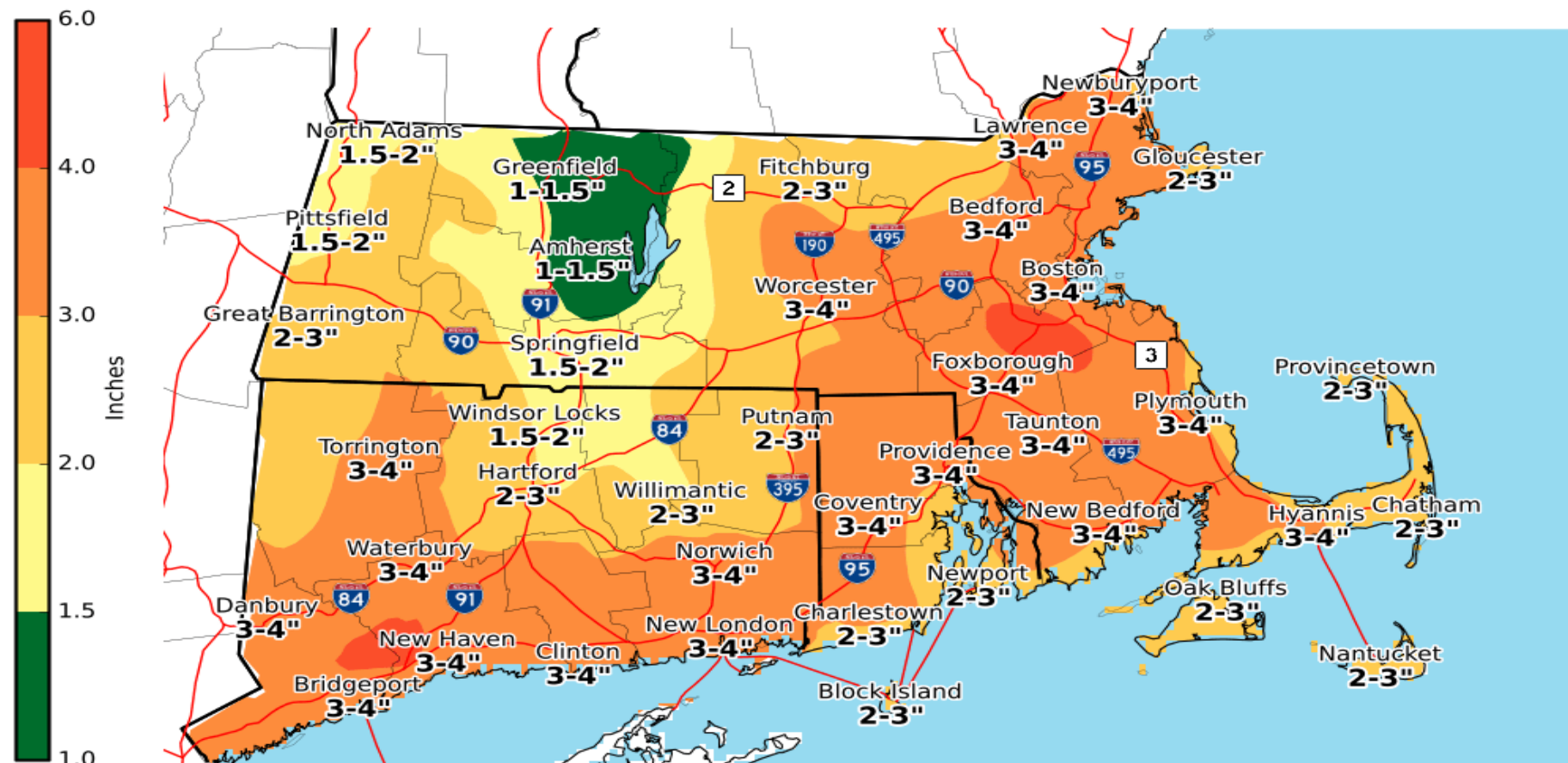


In Effect Tuesday through Wednesday Evening

Forecast Storm Total Precipitation

Rain Still To Come

Valid: 10/25/2021 08:00 PM - 10/27/2021 08:00 AM EDT

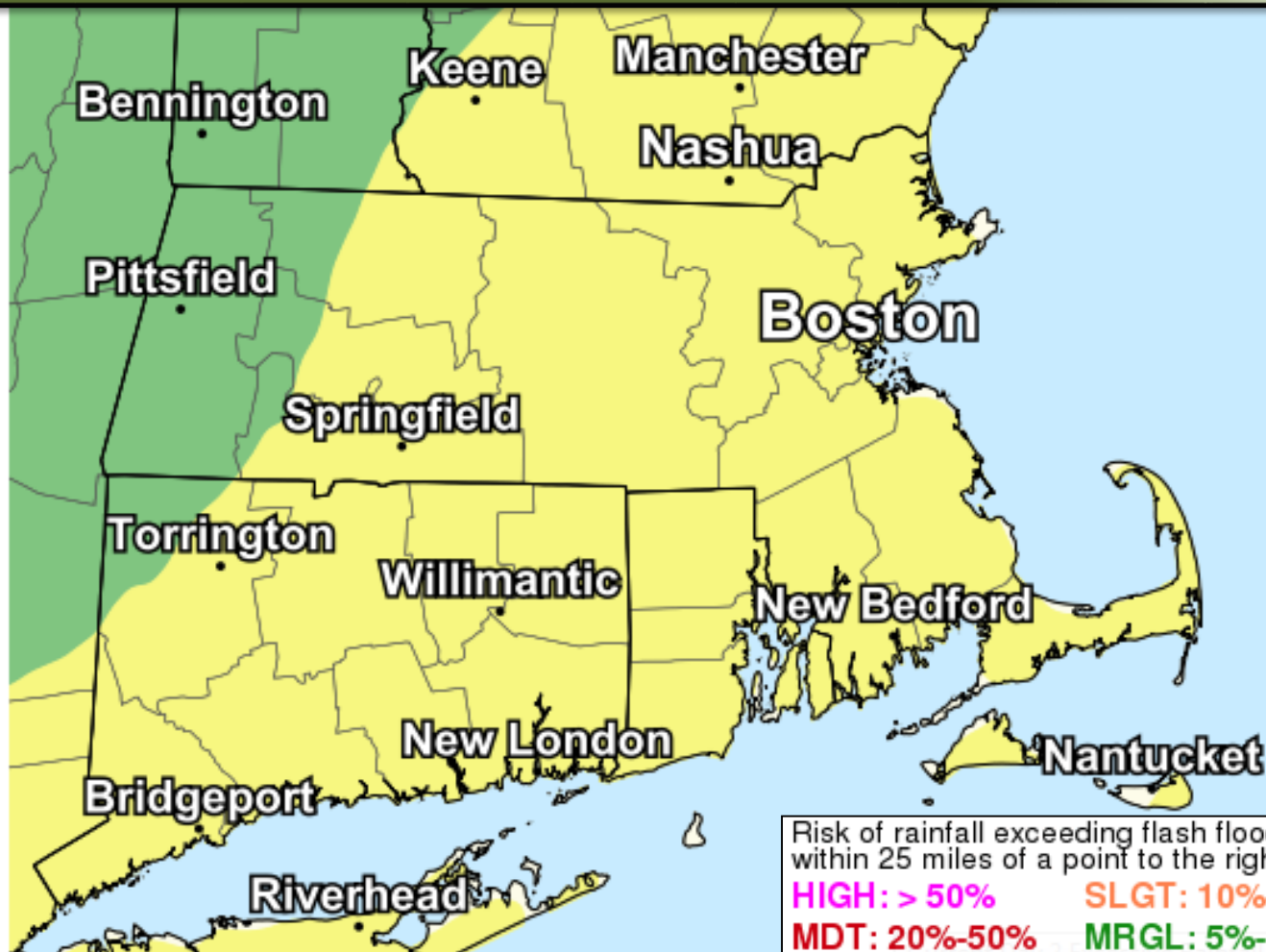


National Weather Service
Boston/Norton, MA
10/25/2021 03:23 PM EDT

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Excessive Rainfall Outlooks – Day 2

- Marginal
- Slight
- Moderate
- High



Graphic Created
October 25th, 2021
3:41 PM EDT

Excessive Rainfall Outlook – Day 2

Wind Related Hazards

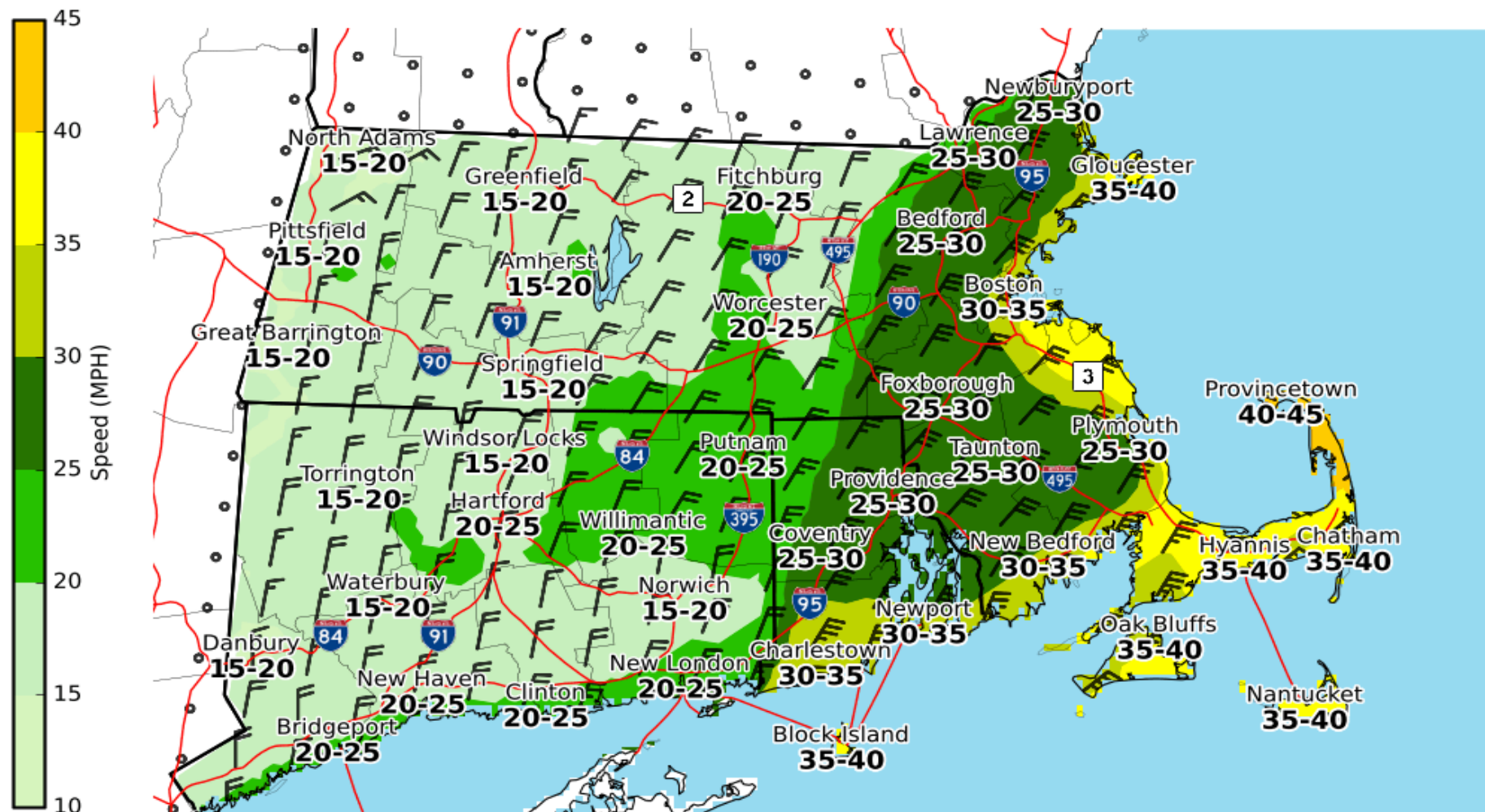


High Wind Warning ... 2 pm Tuesday to 2 pm Wednesday
Wind Advisory ... 6 pm Tuesday to 2 pm Wednesday

Forecast Maximum Sustained Winds

Max Sustained Wind (MPH)

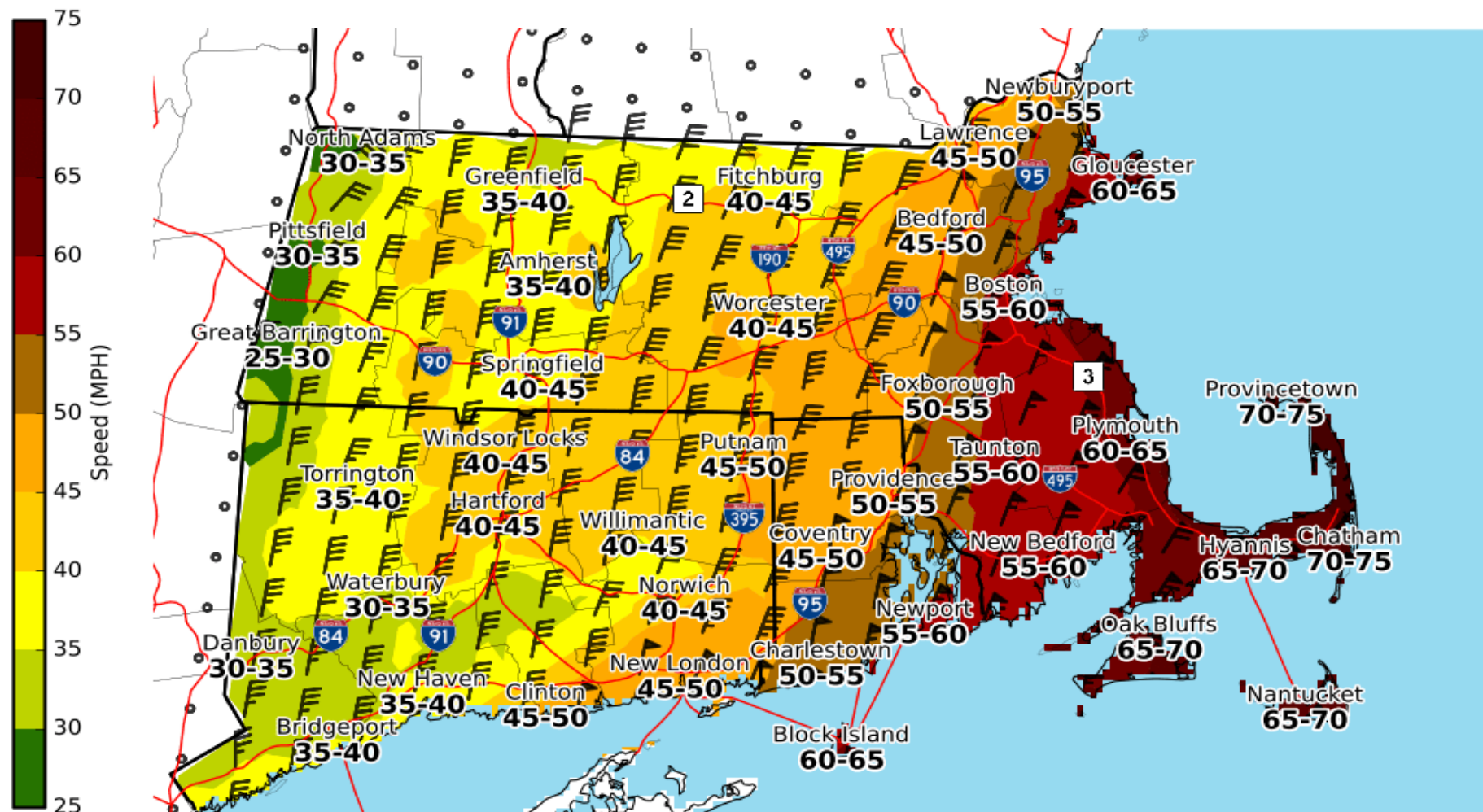
Valid: 10/25/2021 02:00 PM - 10/27/2021 08:00 PM EDT



Forecast Maximum Wind Gusts

Max Wind Gusts (MPH)

Valid: 10/25/2021 09:00 PM - 10/27/2021 08:00 PM EDT



Marine / Coastal Hazards



Storm Warning ... 2 pm Tuesday until 11 am Wednesday

Coastal Flood Advisory ... 3 am to 7 am Wednesday; 3 pm to 7 pm Wednesday

Coastal Flooding – Surge / Inundation



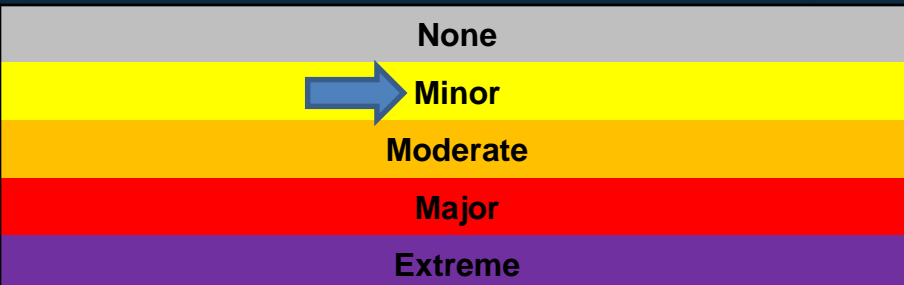
Minor Coastal Flooding

- Partial inundation within the flood zone, especially for low-lying areas.
- Vulnerable shore roads with up to a foot of water inundation possible. May be flooding of a few vulnerable basements.
- Some beach erosion with heavy surf Tuesday Night/Wed.

Timing

- Minor Coastal flooding for both early morning and afternoon high tides Wed.; beach erosion Tuesday Nite – Wed nite.

| | Storm Surge Threat | Potential Impacts from Storm Surge |
|----------------|--------------------------|--|
| Little to None | 0 to 1 feet above ground | No immediate preparations needed. Little to no potential storm surge flooding impacts |
| Elevated | 1 to 3 feet above ground | To be safe, prepare for the potential of limited storm surge flooding impacts |
| Moderate | 3 to 6 feet above ground | To be safe, earnestly prepare for the potential of significant storm surge flooding impacts |
| High | 6 to 9 feet above ground | To be safe, aggressively prepare for the potential of significant storm surge flooding impacts |
| Extreme | > 9 feet above ground | To be safe, aggressively prepare for the potential of devastating to catastrophic storm surge flooding impacts |



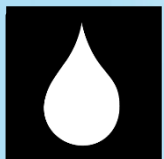
Threat Event Summary

✓ **Confidence**: Moderate to high on winds; moderate on rain & coastal flooding

✓ **What:**



Strong to damaging winds Tue Nite – Wed.



Heavy rain capable of minor urban/poor drainage flooding.



Minor coastal flooding for both high tides Wed; moderate to significant beach erosion.

✓ **Where:** All of Southern New England

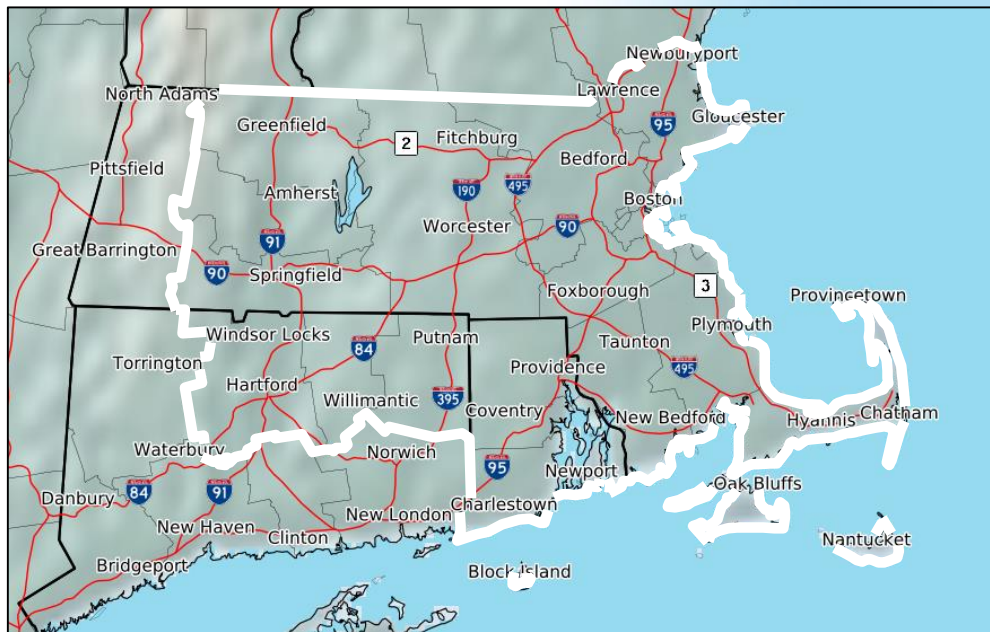
✓ **When:** Tuesday into much of Wednesday

Contact and Next Briefing Information

Next Briefing

When: 6 am, Tuesday, October 26th

Method: via email



www.weather.gov/boston



Phone (public):
508-622-3250



Facebook:

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Disclaimer: The information contained within this briefing is time-sensitive,
do not use after 5 am, Tuesday, September 26th

