

Potential Flash Flooding Along with Strong to Damaging Winds Tonight through Thursday





National Weather Service
Decision Support Briefing # 2
Wednesday, January 23, 2019 3:53 PM

What Has Changed?

- ✓ FLASH FLOOD WATCH expanded to all of Southern New England, except the Islands.
- ✓ HIGH WIND WARNINGS issued for SE-coastal MA & RI.
- ✓ WIND ADVISORIES issued for E-coastal MA and N RI.
- ✓ GALE WARNINGS on all waters.



Main Points

Hazard	Impacts	Location	Timing
Heavy Rain & Snow Melt Contributing to Flooding 	Urban / poor drainage flooding, especially wherever drains may be clogged by snow & ice; potential for flooded basements; minor river flooding forecast	All of Southern New England	Rain begins late this evening. Heaviest occurring late morning into early afternoon Thursday 1 to 2 inches with locally higher amounts + snow melt
Strong to Damaging Winds 	Potential for downed limbs, trees and power outlines Scattered power outages expected	All of Southern New England especially S&E areas of MA & CT as well as all of RI	Strongest Thursday morning into Thursday Afternoon Sustained 15 to 30 mph Gusts 35 to 45, up to 60 mph
Storm Force Winds and High Seas 	Hazardous wind and wave conditions for experienced and properly equipped vessels	All waters especially the outer waters	Strongest winds Thursday morn into Thursday afternoon Gusts up to 50 knots Highest seas Thursday afternoon Seas up to 20 feet
Light Freezing Rain and / or Sleet 	With a glaze of ice forecast, locally hazardous travel conditions on untreated bridges, overpasses, and/or secondary roads is expected	N&W areas of MA, especially the Berkshires	Through this evening, ending around 8 pm Glaze of ice forecast

Summary of Greatest Impacts



Flash Flooding:

All of S New England

None	Limited	Elevated	Significant	Extreme
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Downed Limbs, Trees, Power Lines:

All of S New England

None	Limited	Elevated	Significant	Extreme
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Hazardous Boating Conditions:

All Waters

None	Limited	Elevated	Significant	Extreme
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Icing on Roadways:

N&W MA, especially Berkshires

None	Limited	Elevated	Significant	Extreme
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Winter Weather Hazards – Through 8p



Marine / Coastal Hazards - Thursday



Wind Related Hazards - Thursday

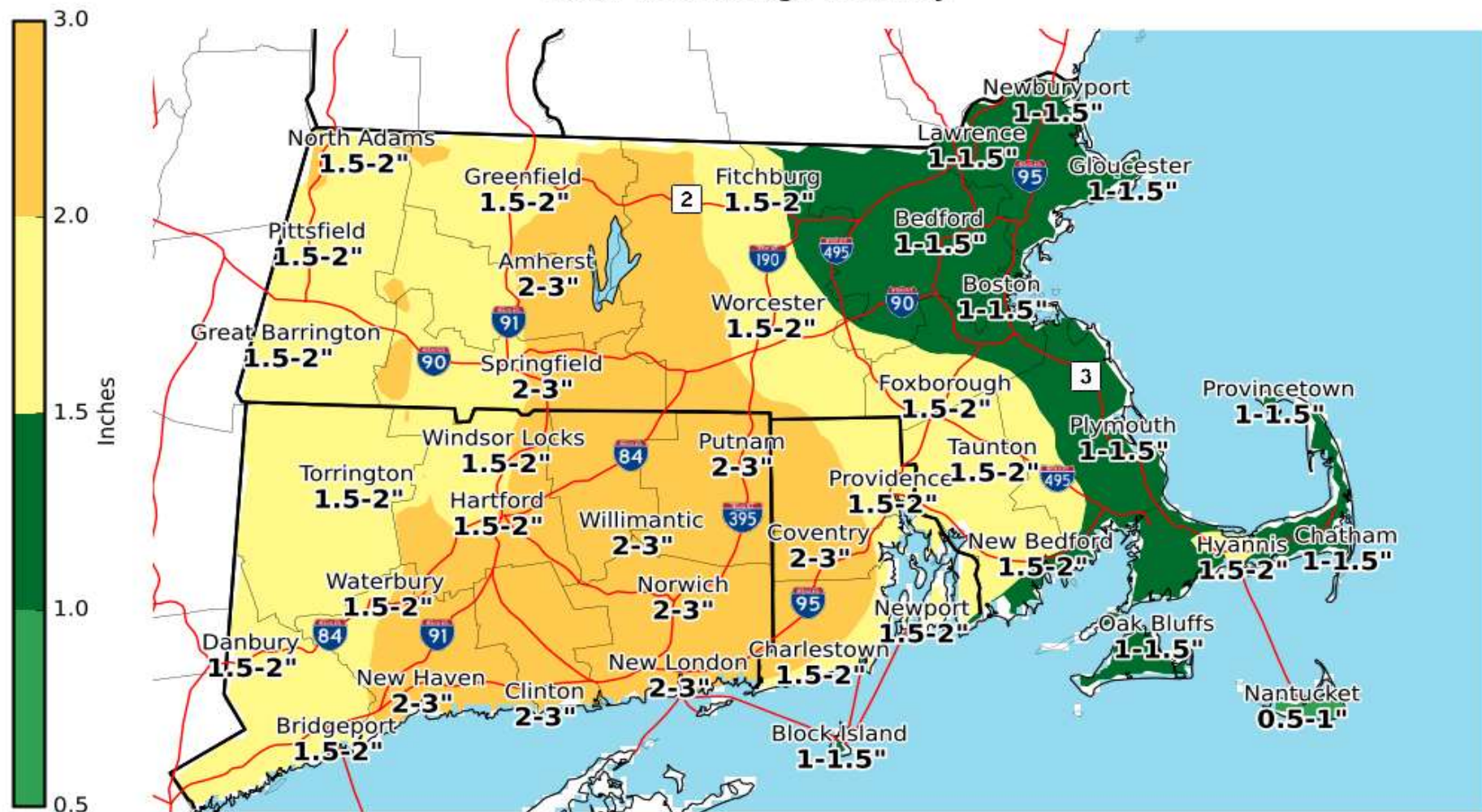


Flooding Hazards - Thursday



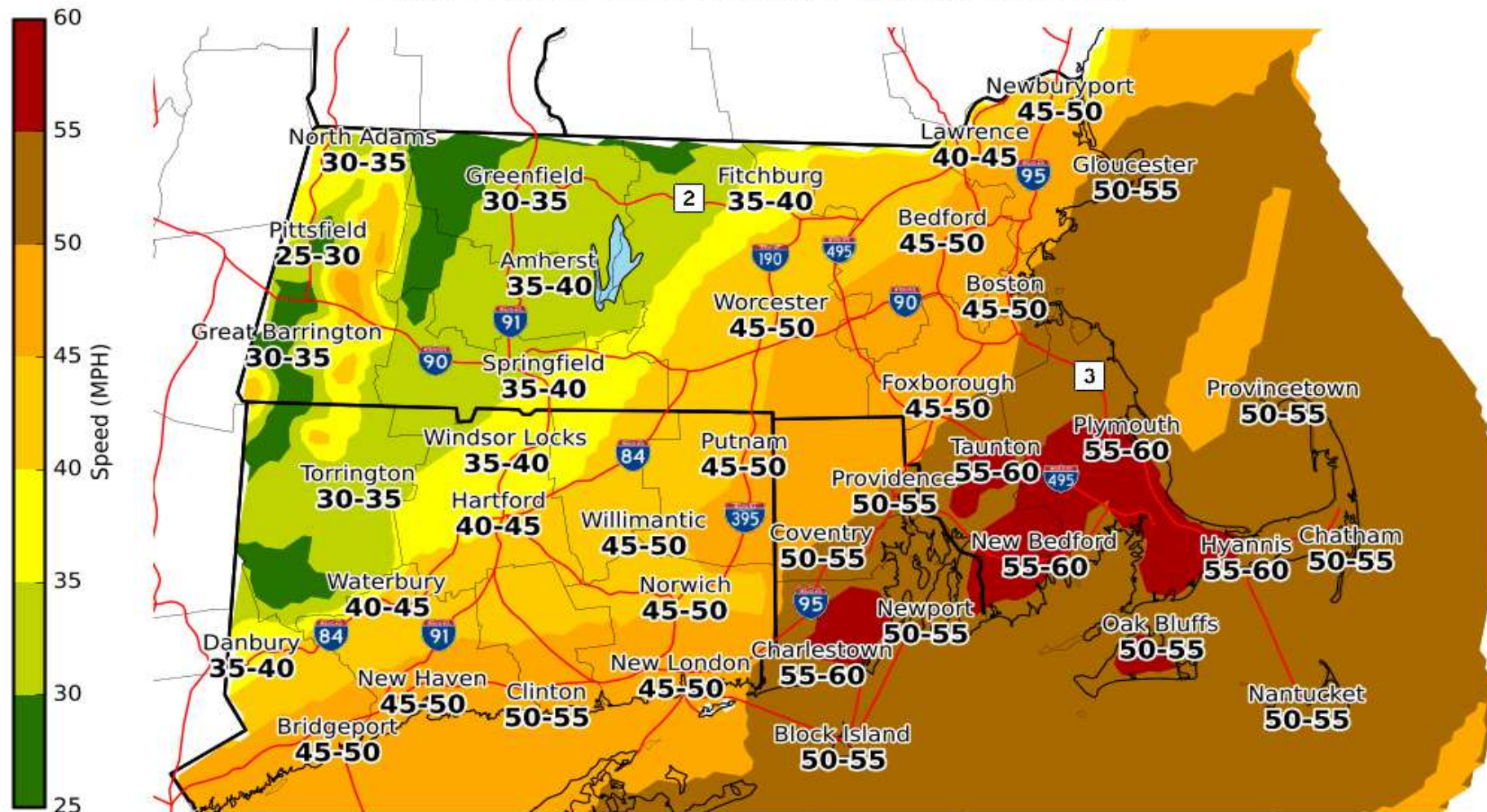
Forecast Storm Total Precipitation – Heaviest Falling Late Morning into Early Afternoon Thursday

Expected Rainfall - Official NWS Forecast
Valid: Now through Thursday



Forecast Maximum Wind Gusts – Strongest Thursday Morning through Thursday Afternoon

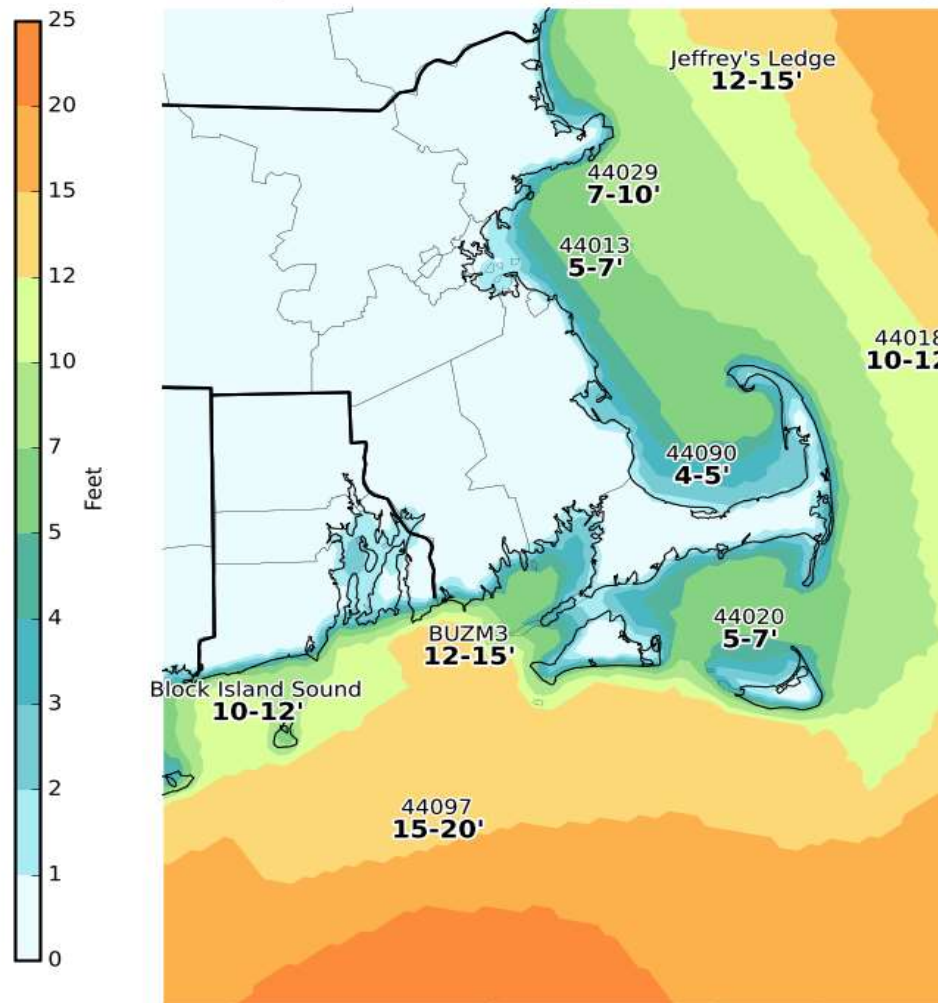
Max Wind Gusts (MPH)
Valid: Thursday Morning through Thursday Afternoon



Forecast Maximum Wave Heights and Wind Gusts (in kts)

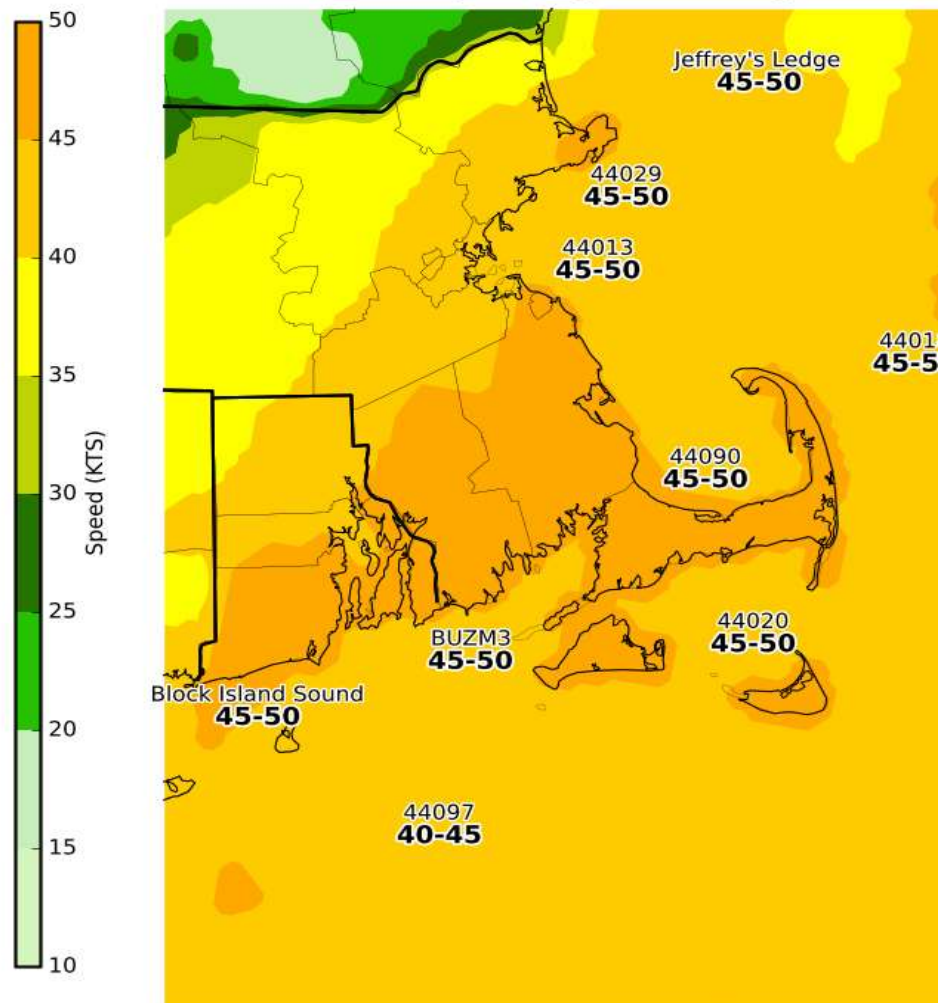
Maximum Wave Height

Valid: Height of Waves Thursday Afternoon into Thursday



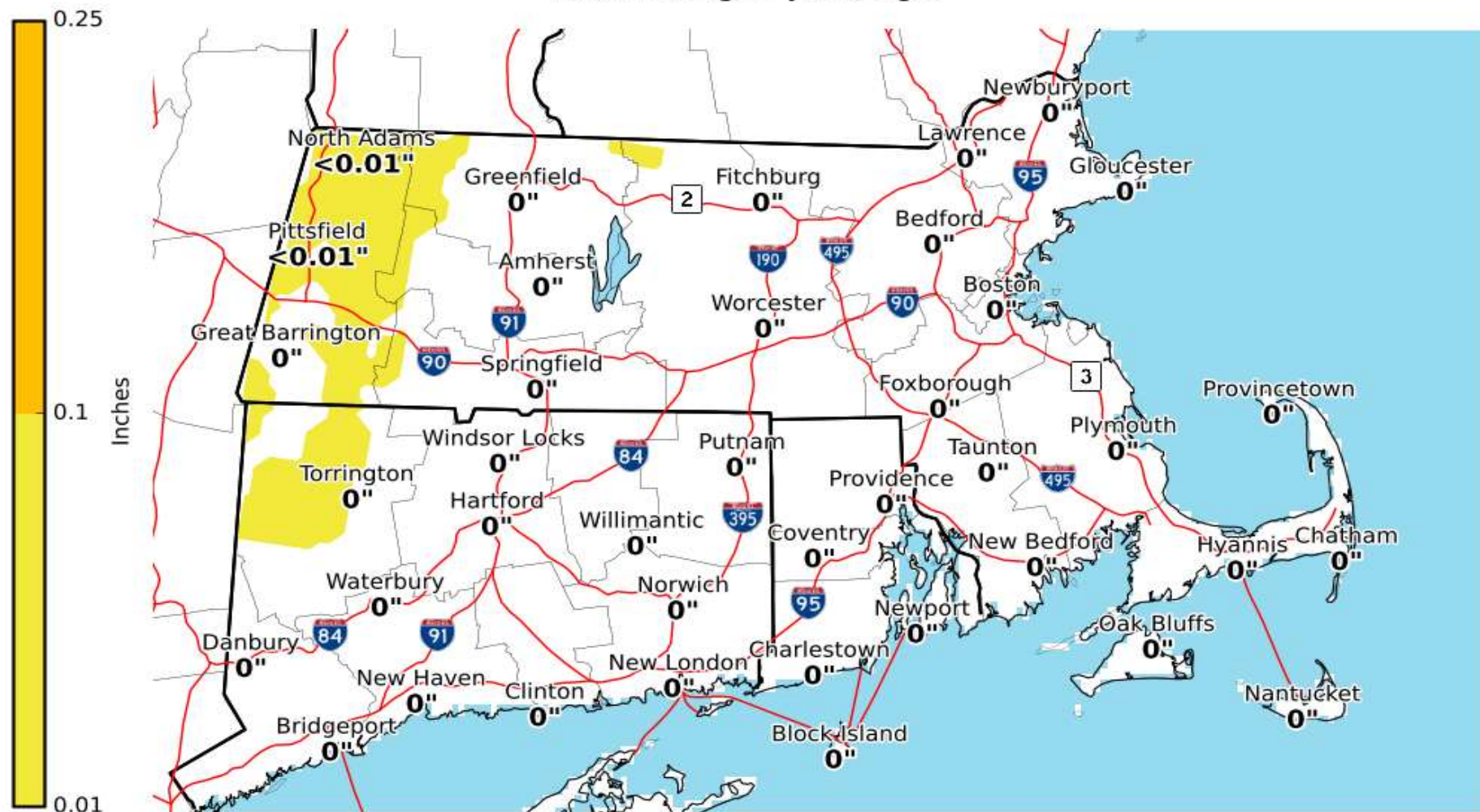
Max Wind Gusts (KTS)

Valid: Thursday Morning into Thursday Afternoon



Forecast Storm Total Ice – Through 8 pm Tonight

Expected Icing - Official NWS Forecast Valid: Through 8 pm Tonight



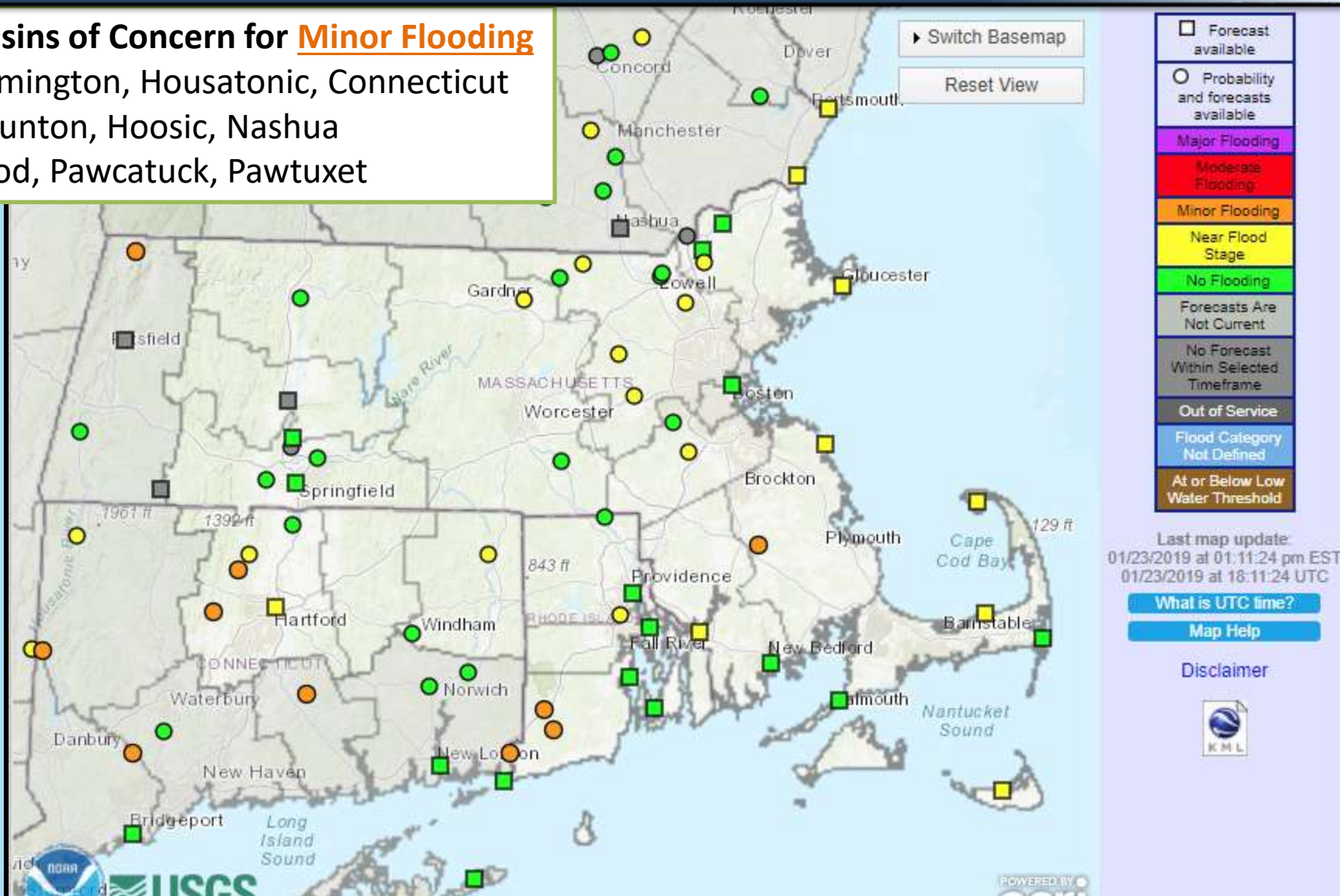
Forecast River Flooding – Developing Late Thursday, Continuing through as late as Saturday

River Basins of Concern for **Minor Flooding**

CT – Farmington, Housatonic, Connecticut

MA – Taunton, Hoosic, Nashua

RI – Wood, Pawcatuck, Pawtuxet



Threat Event Summary

✓ **Confidence:** High with respect to heavy rain and flooding, however lower confidence as to strong to damaging winds

✓ **What / Where / When:**



Periods of heavy rain, potential for flash flooding ... FLASH FLOOD WATCH in effect

- Rain begins this evening, heaviest occurring late morning into early afternoon Thursday.
- For all of S New England, especially S&E areas.
- Forecast 1 to 2 inches of rainfall, locally higher amounts.
- Lingering snow and ice melt will add to this issue, along with any clogged drains.
- Snow cover and/or hardened ground, any and all rain likely to runoff.
- Urban / poor drainage flooding, potential for flooded basements.
- Minor river flooding possible.



Strong to damaging winds, potential for downed limbs, trees, power outages ...

HIGH WIND WARNING for SE-coastal MA & RI, **WIND ADVISORY** for E-coastal MA & N RI.

- Strongest Thursday morning into Thursday Afternoon, gusts up to 60 mph.
- For all of Southern New England especially S&E areas of MA & CT, as well as all of RI.



Gales winds and high seas ... GALE WARNINGS posted on all waters

- Strongest winds Thursday morning into Thursday afternoon; gusts up to 50 knots.
- Highest seas Thursday afternoon; seas up to 20 feet.



Light Freezing Rain and / or Sleet ... WINTER WEATHER ADVISORY through 8 pm tonight

- Through this evening, ending around 8 pm.
- Glaze of ice forecast.
- N&W areas of MA, especially the Berkshires.
- With a glaze of ice forecast, locally hazardous travel conditions on untreated bridges, overpasses, and/or secondary roads is expected.

Contact and Next Briefing Information

Next Briefing

When: 5 am, Thursday, January 24th

Method: via email



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Disclaimer: The information contained within this briefing is time-sensitive,
do not use after 5 am, Thursday, January 24th, 2019