

Flooding Threats ... Today into Thursday Heat and Humidity ... Friday through Sunday

National Weather Service
Decision Support Briefing # 3
Wednesday, July 17, 2019 4:17 AM

No Headlines at this time ...






Graphic Created
July 17th, 2019
4:18 AM EDT

What Has Changed?

- ✓ No major changes.
- ✓ 4 am forecast package issued.

Main Points

Hazard	Impacts	Location	Timing
Strong to Severe Thunderstorms <i>Locally strong to damaging winds</i> 	Isolated damage to trees and power lines	All areas of Southern New England could be affected	Beginning as early as noon Wednesday continuing through Wednesday evening
Flooding <i>Excessive rainfall risk with short-duration 2 to 3 inch amounts</i> 	Risk of localized flash flooding of small streams and low water crossings; minor flooding of poor drainage, urban areas	All areas of Southern New England could be affected	Beginning as early as noon Wednesday continuing through Thursday
Heat & Humidity <i>Heat indices around 95°F to 105°F</i> 	Sunstroke, muscle cramps and/or heat exhaustion likely with prolonged exposure	All of Southern New England except Cape Cod & the Islands	Friday through Sunday Especially Saturday

Hazard Descriptions

None	Limited	Elevated	Significant	Extreme
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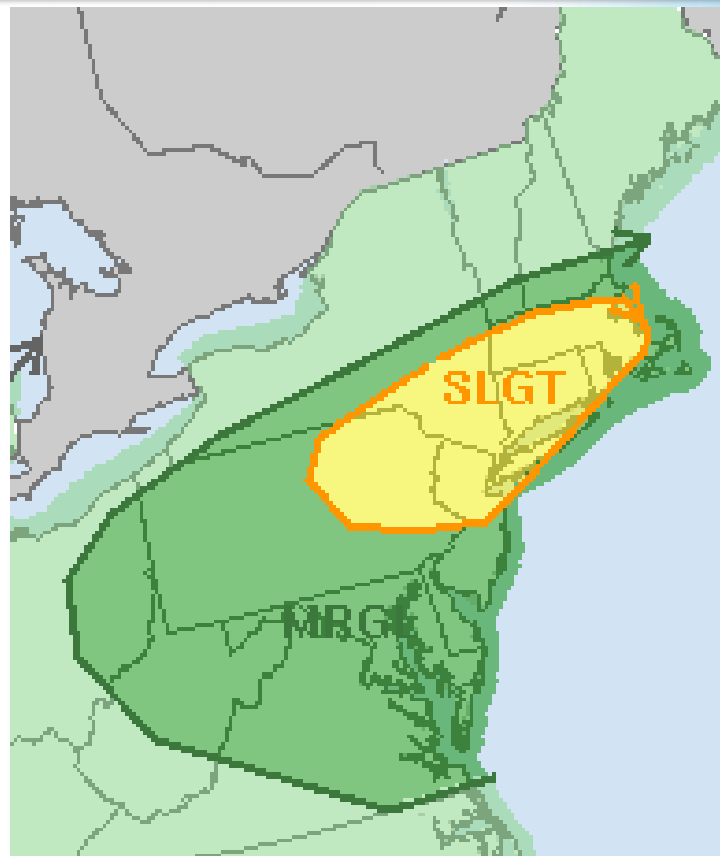
Severe Weather Outlook – Wednesday, July 17th, 2019

Impacts

- ✓ Locally strong to damaging winds which may result in isolated tree and/or power line damage
- ✓ Heavy downpours with potential 1-2” per hour rainfall rates which may contribute to localized urban, poor-drainage flooding

Timing

- ✓ A scattered line of showers and thunderstorms, some possibly strong to severe, is anticipated to sweep NW to SE across Southern New England
- ✓ This line is most likely to move through between Noon and 10 PM.

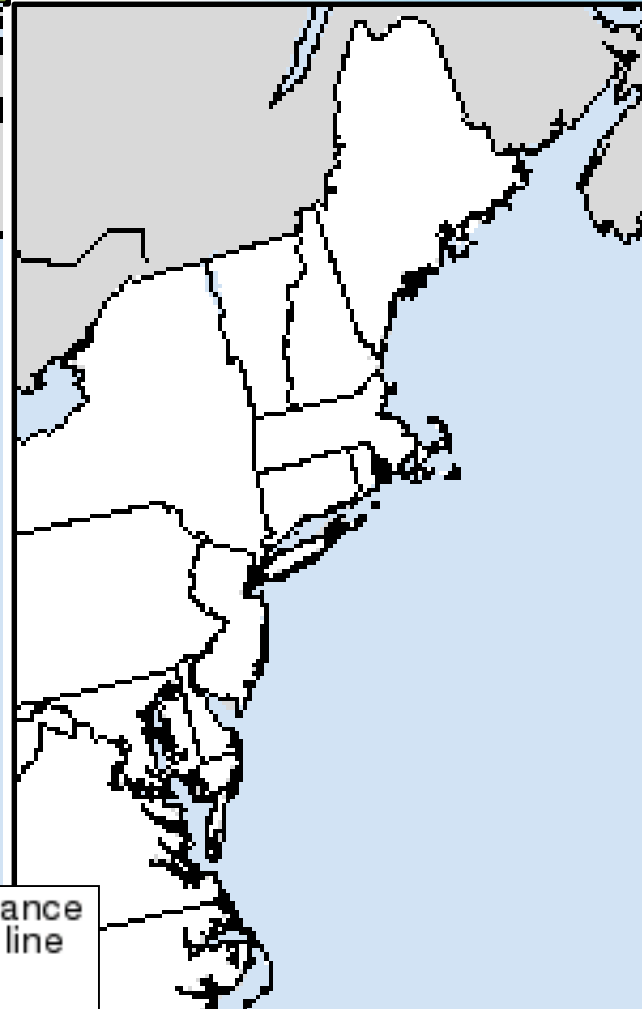
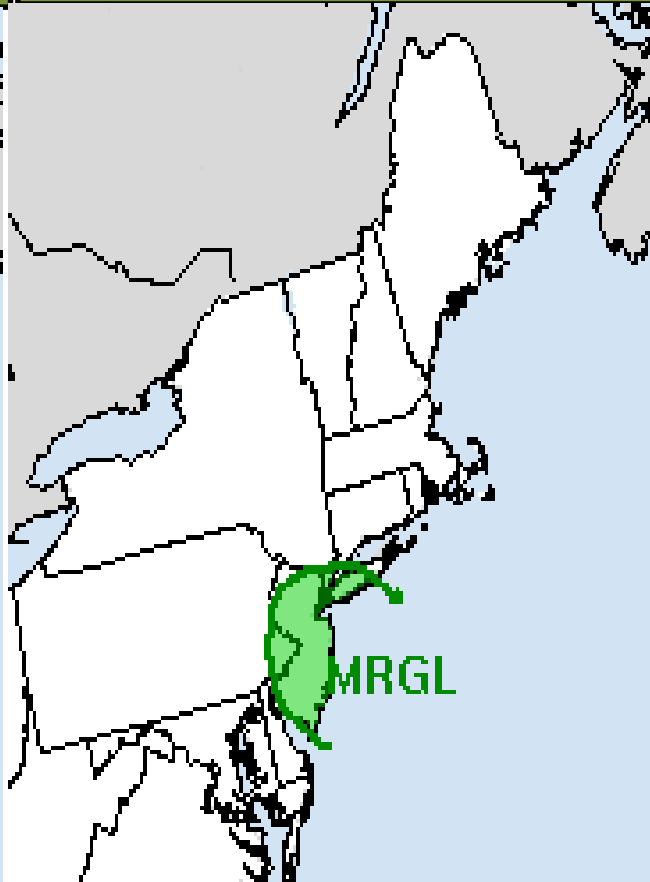
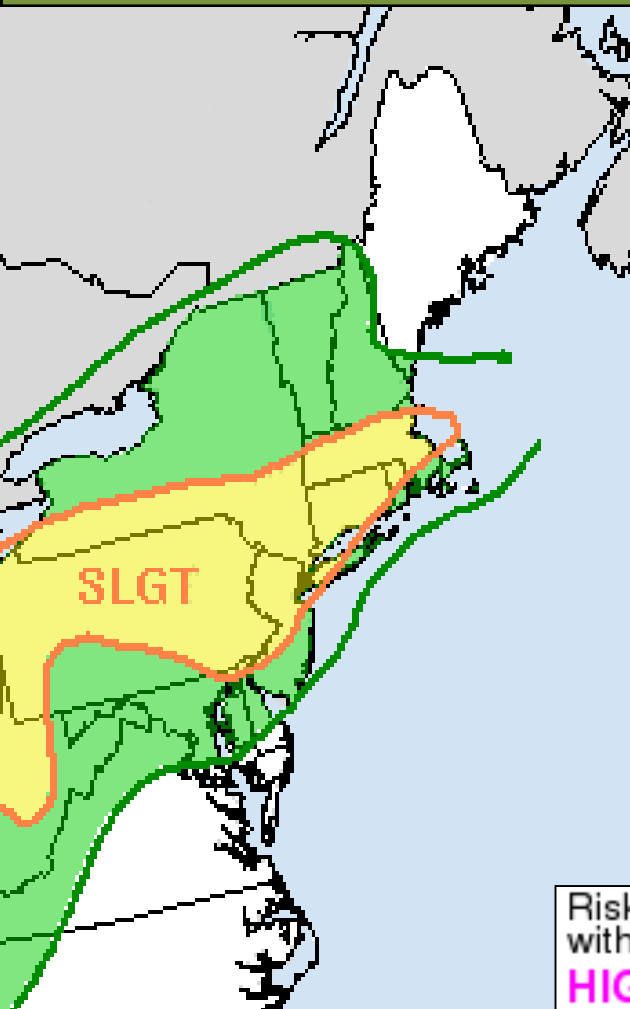


Thunder	Marginal	Slight	Enhanced	Moderate
No Severe Lightning still possible	Isolated Severe Storms Possible	Scattered Severe Storms Possible	Numerous Severe Storms Possible	Widespread Severe Storms Likely

Excessive Rainfall Outlooks Outlining the Potential for Flooding ...

Today

Thursday



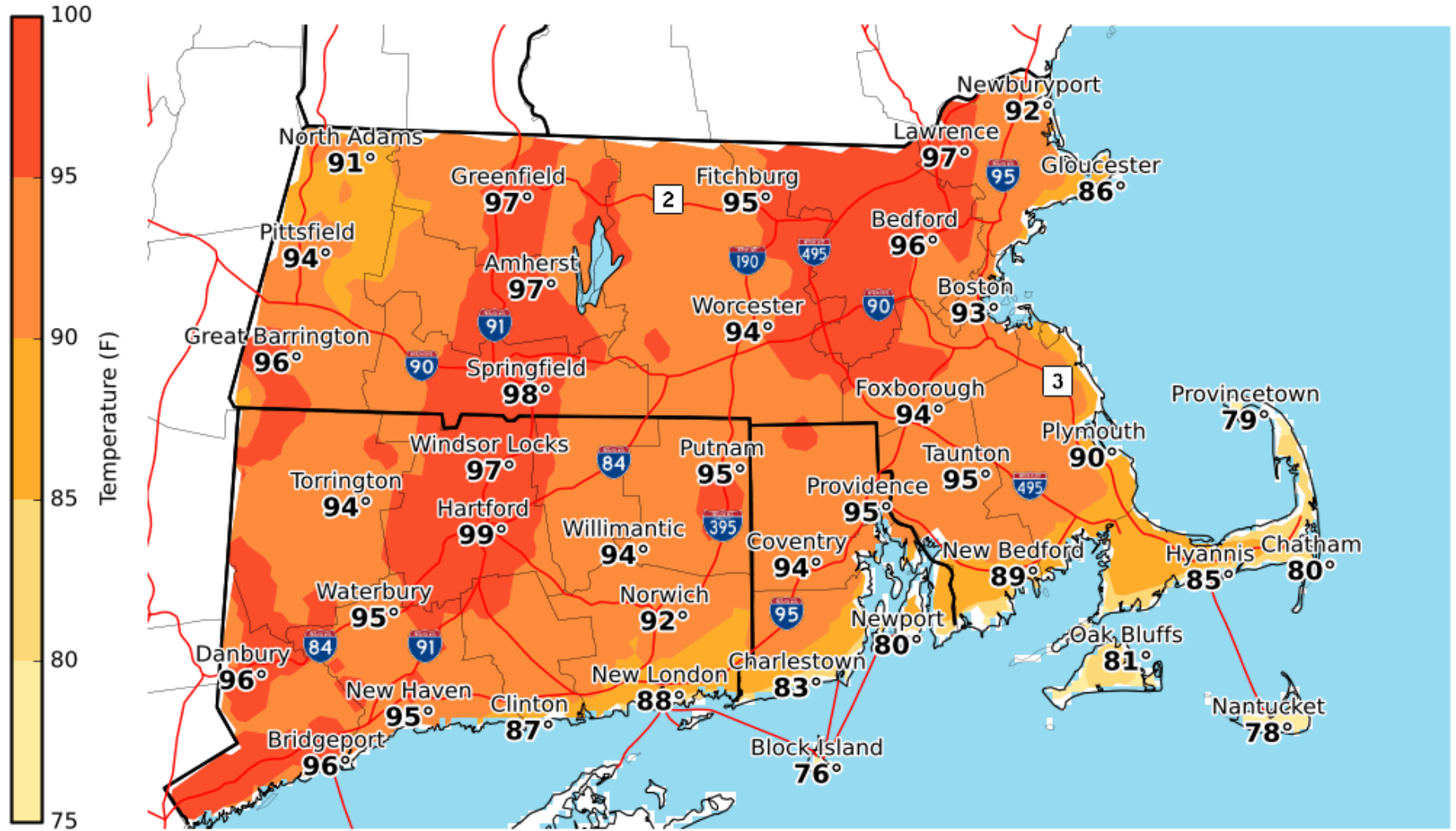
Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line

HIGH: > 50%	SLGT: 10%-20%
MDT: 20%-50%	MRGL: 5%-10%



Forecast Maximum Heat Index ... Friday, July 19th, 2019

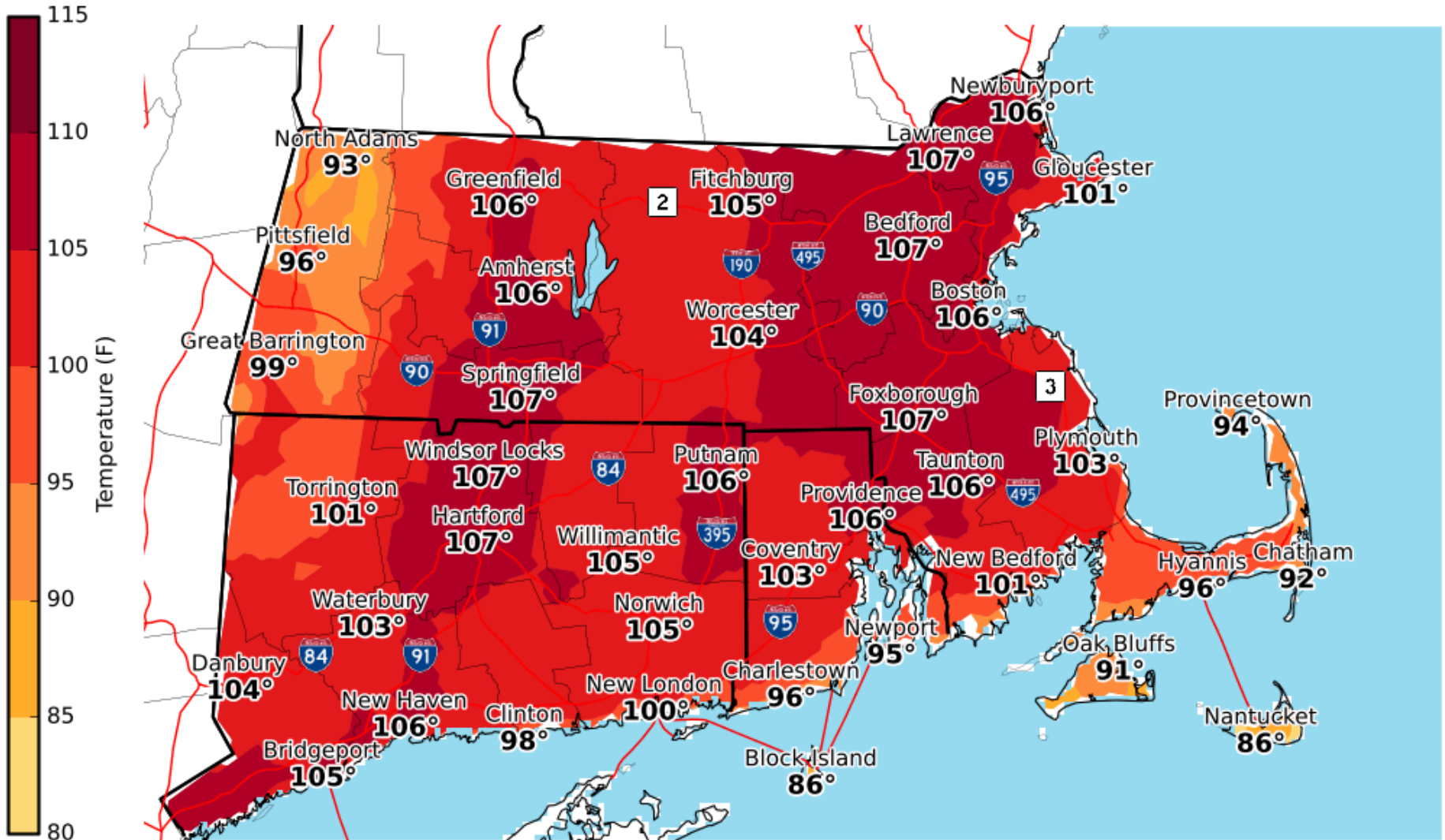
Maximum Heat Indices Valid: Friday July 19 2019





Forecast Maximum Heat Index ... Saturday, July 20th, 2019

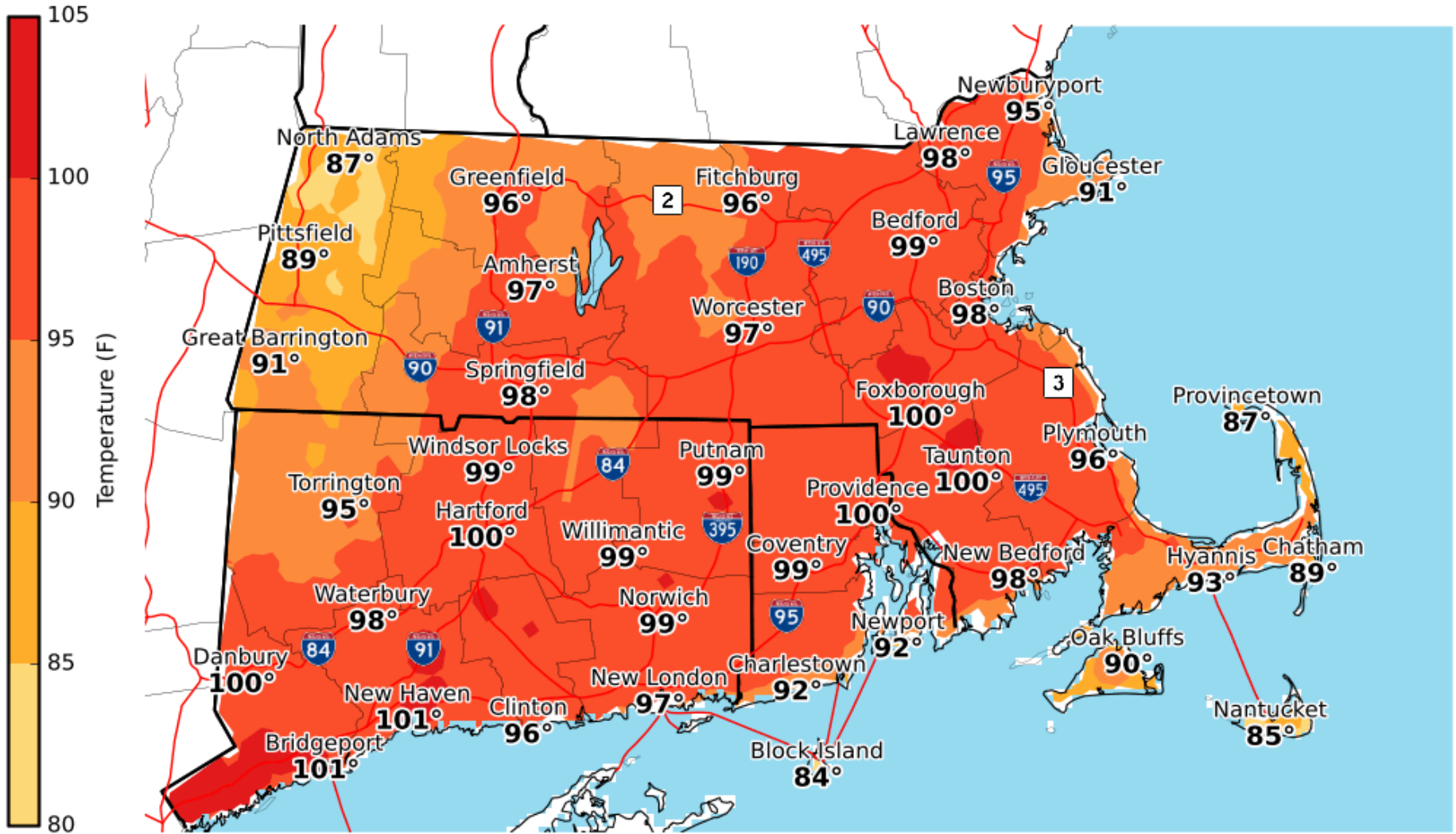
Maximum Heat Indices Valid: Saturday July 20 2019





Forecast Maximum Heat Index ... Sunday, July 21st, 2019

Maximum Heat Indices Valid: Sunday July 21 2019



Threat Event Summary

✓ **Confidence:** Lower confidence with forecast of scattered showers and thunderstorm as well as the possibility of localized flooding. Not every town will be impacted. High confidence concerning the heat and humidity for Friday through Sunday.

✓ **What / Where / When:**



Locally strong to damaging winds are possible with forecast thunderstorm activity developing between Noon and 10 PM. Across all of Southern New England there is the threat for isolated tree and / or power line damage.



Heavy downpours are anticipated with rainfall rates of 1 to 2 inches per hour. This risk begins around Noon and continues through Tonight and Thursday. Any heavy rainfall brings the risk for localized urban, poor-drainage flooding over all of Southern New England.



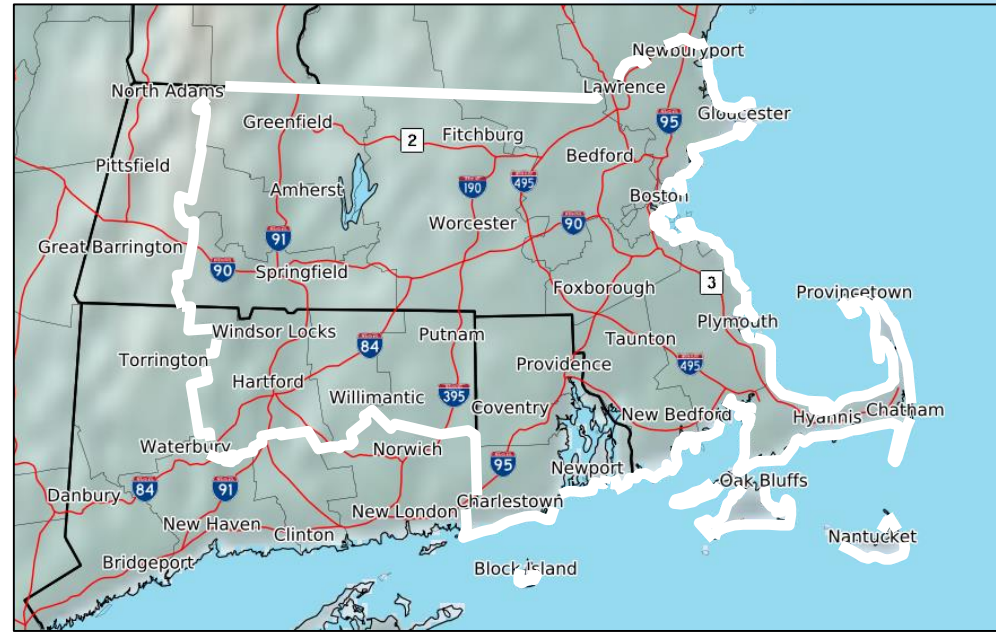
Heat and humidity is forecast Friday through Sunday over all of Southern New England except Cape Cod & the Islands with heat indices of around 95°F to 105°F. The warmest conditions are anticipated for Saturday. But throughout the period there will be the risk of heat-related illnesses such as sunstroke, muscle cramps and/or heat exhaustion with prolonged exposure.

Contact and Next Briefing Information

Next Briefing

When: by 6 pm, Wednesday, July, 17th

Method: via email



www.weather.gov/boston



Phone (public):
508-622-3250



Facebook:

www.facebook.com/NWSBoston



Twitter:

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Disclaimer: The information contained within this briefing is time-sensitive, do not use after 6 am, Wednesday, July 17th