

# Dangerous Heat Today-Fri Severe Storms possible Thu & Fri

National Weather Service  
Decision Support Briefing # 1  
Wednesday, August 11, 2021 3:48 AM



## Excessive Heat Hazards



What Has Changed?

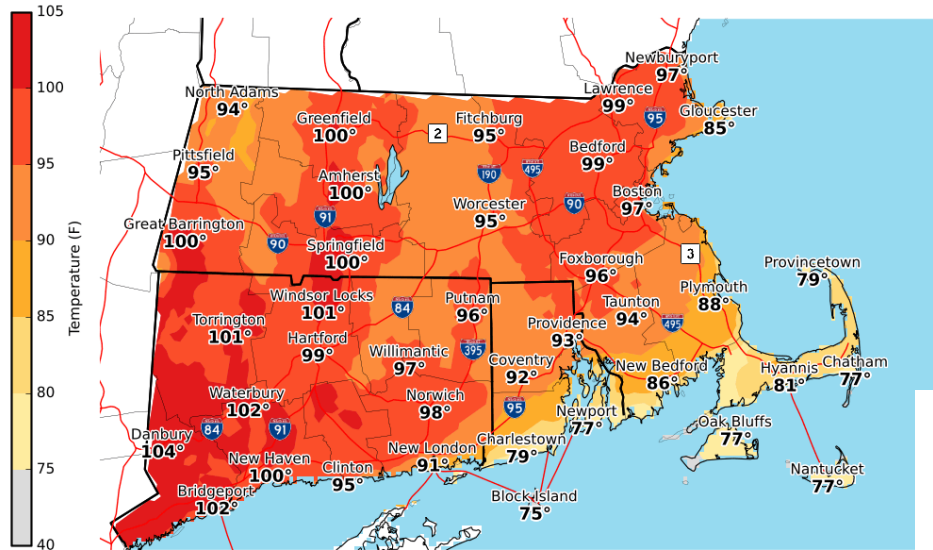
✓ Initial briefing packet

# Main Points

Hazard	Impacts	Location	Timing
<b>Dangerous Heat</b> 	<b>Hot temperatures &amp; high humidity may cause heat illnesses to occur</b>	<b>Much of southern New England except for Cape Cod and the Islands</b>	<b>Today through Friday during the afternoon Higher heat indices Thursday &amp; Friday</b>
<b>Severe Thunderstorms</b> 	<b>Localized damaging straight line winds &amp; street flooding possible</b>	<b>Much of interior southern New England</b>	<b>Thursday and Friday afternoon into the evening</b>

# Forecast Maximum Heat Index Today & Thursday

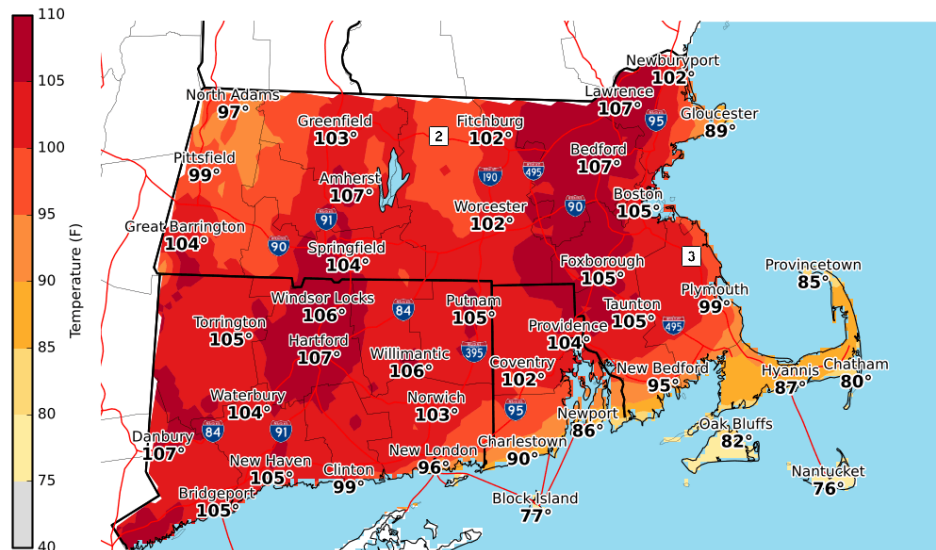
**Max Apparent Temperature**  
Valid: Today



National Weather Service  
Boston/Norton, MA  
08/11/2021 04:15 AM EDT

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**Max Apparent Temperature**  
Valid: Thursday



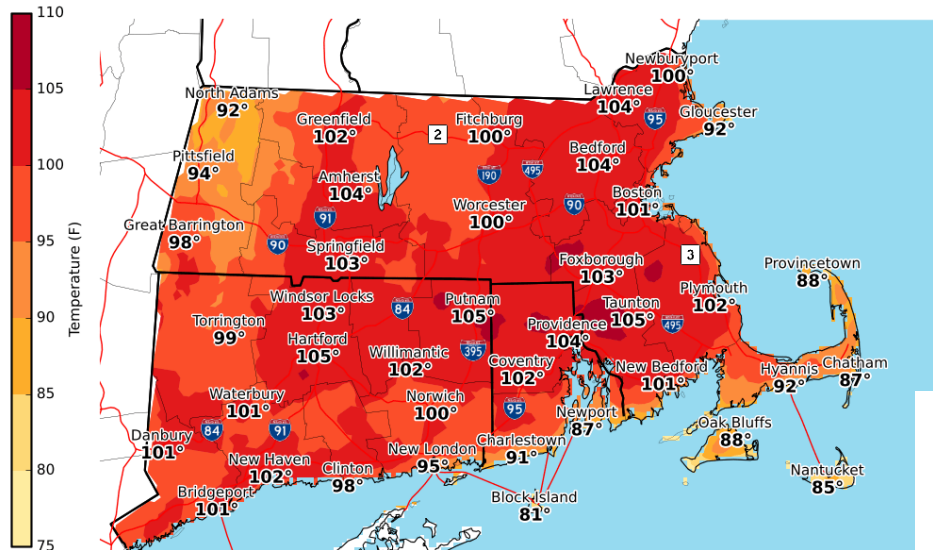
National Weather Service  
Boston/Norton, MA  
08/11/2021 04:18 AM EDT

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# Forecast Maximum Heat Index Friday & Saturday

## Max Apparent Temperature

Valid: Friday

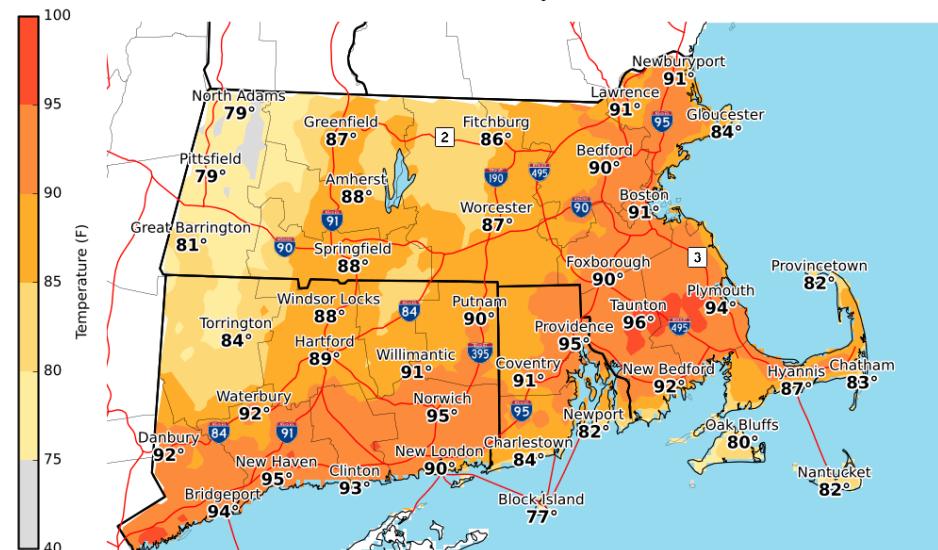


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## Max Apparent Temperature

Valid: Saturday



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## Severe Weather Outlook – Day 2

### ISOLATED STRONG TO SEVERE STORMS THURSDAY

#### WHAT

Scattered thunderstorms with isolated strong to severe storms

#### Main threats:

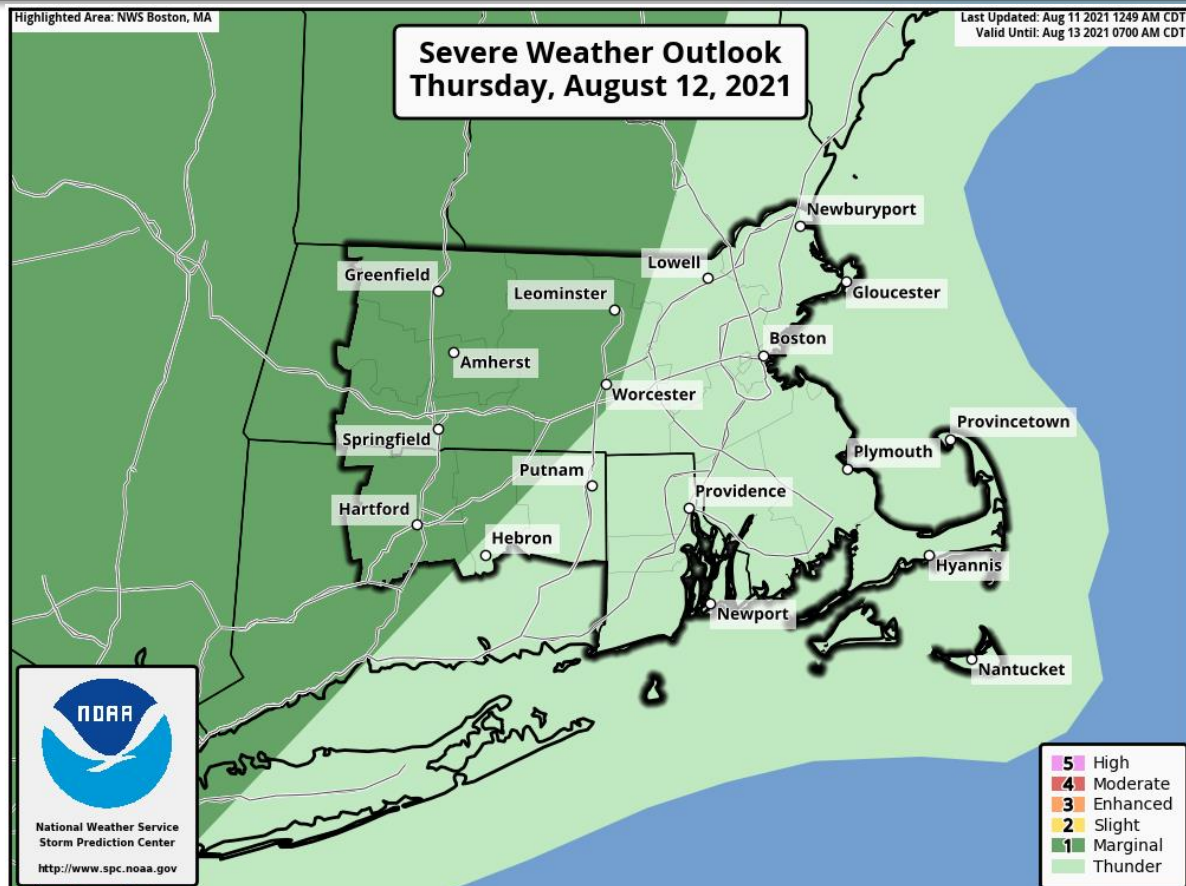
Damaging straight line wind gusts  
Heavy downpours which may lead to street flooding

#### WHERE

Much of interior southern New England

#### WHEN

Thursday afternoon into the evening



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

## Severe Weather Outlook – Day 3

### ISOLATED STRONG TO SEVERE STORMS FRIDAY

#### WHAT

Scattered thunderstorms with isolated strong to severe storms

Thunderstorm activity on Thursday will impact how things evolve on Friday, so confidence low at this point in time

#### Main threats:

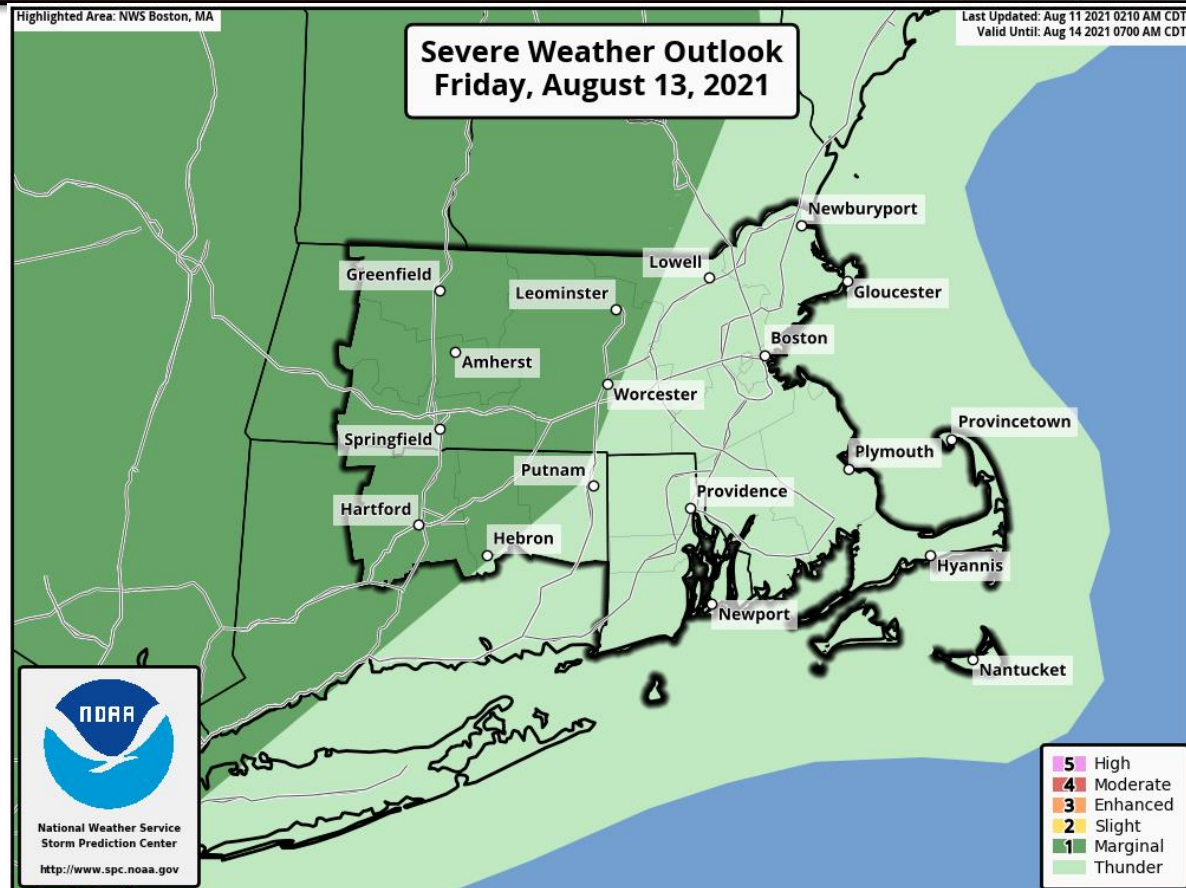
Damaging straight line wind gusts  
Heavy downpours which may lead to street flooding

#### WHERE

Much of interior southern New England

#### WHEN

Friday afternoon into the evening



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

# Threat Event Summary

## Confidence:

- ✓ High in the dangerous heat risk
- ✓ Less certain in the severe thunderstorm risk Thursday & Friday

## What:



Heat Index values of up to 100 today

Heat Index values of 105-109  
possible on Thursday and Friday

Extreme heat & humidity will  
significantly increase the potential for  
heat related illnesses



Strong to severe thunderstorms  
possible later on Thursday &  
Friday

Main threats

- Damaging wind gusts
- Heavy downpours – could lead  
to localized flooding

## Where & When:

- ✓ Heat risk for much of southern New England except Cape Cod & the Islands today  
through Friday
- ✓ Severe thunderstorm risk is highest across interior portions of southern New England  
Thursday & Friday afternoon into the evening

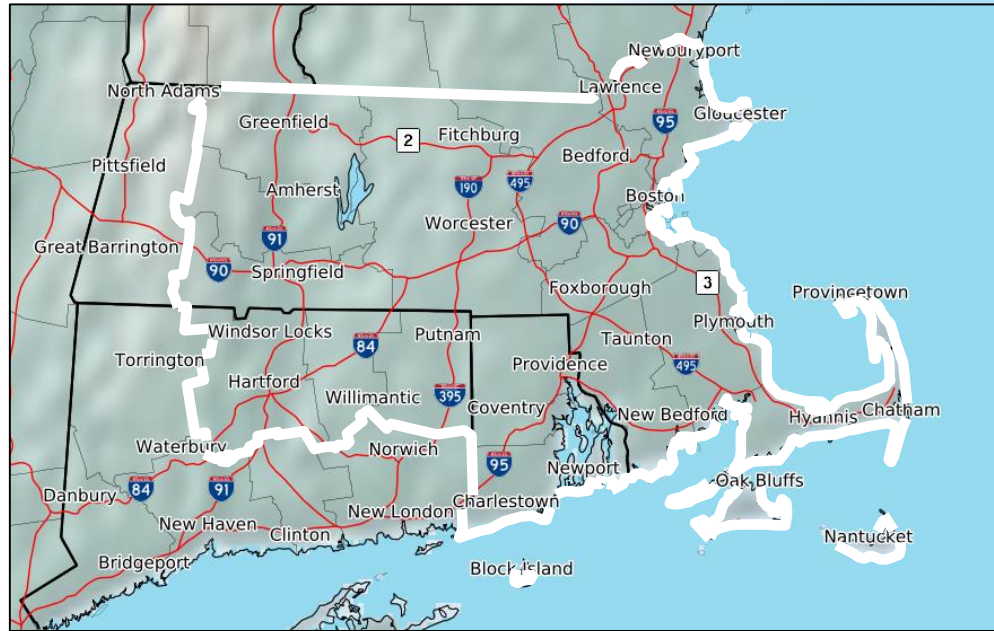


# Contact and Next Briefing Information

## Next Briefing

**When:** 6 pm, Wednesday, August 11th

**Method:** via email



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**Disclaimer:** The information contained within this briefing is time-sensitive,  
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