



# TROPICAL STORM ELSA BRIEFING

5:00 PM ET  
Thursday, July 8, 2021

What has changed: Area of greatest flash flood threat  
expanded east into northeast MA

Next Briefing: Friday, July 9 at 6 AM EDT



# Situation Overview

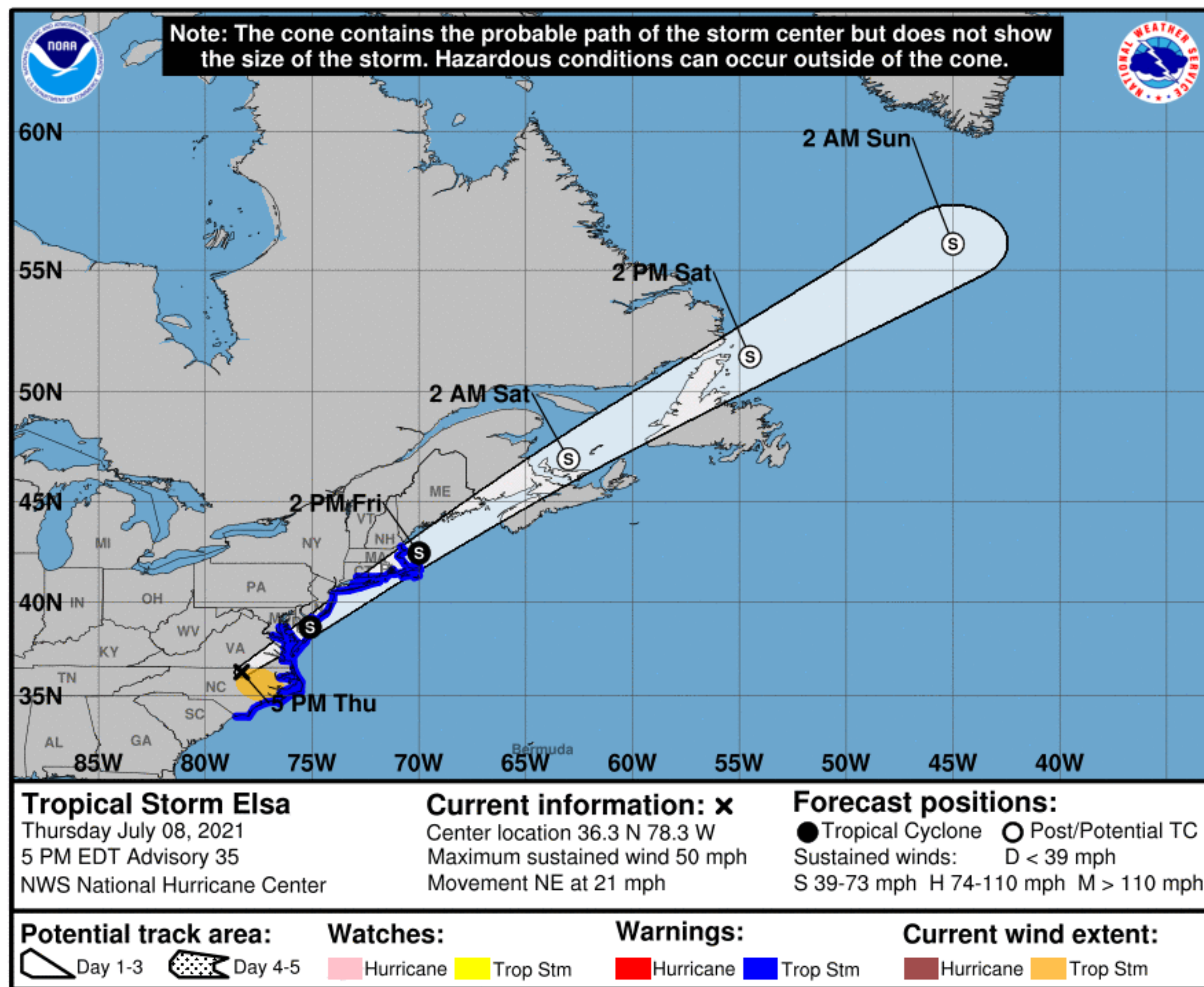
Tropical Storm Elsa

- Elsa expected to pass near or over southeast New England on Friday as a tropical storm
- Flash flooding is possible across much of southern New England due to heavy rainfall.
- Damaging winds (gusting 40 to 60 mph) and power outages are possible where Tropical Storm Warnings have been issued.
- Potential for dangerous marine conditions along with rough surf and rip currents along south coastal beaches
- No coastal/storm surge flooding expected



# Situation Overview

## Tropical Storm Elsa



- No major changes to the track
- A Tropical Storm Warning is now in effect as far north as the Merrimack and this includes to the Boston to Providence corridor.

**NOTE:** Do not focus on the exact track.

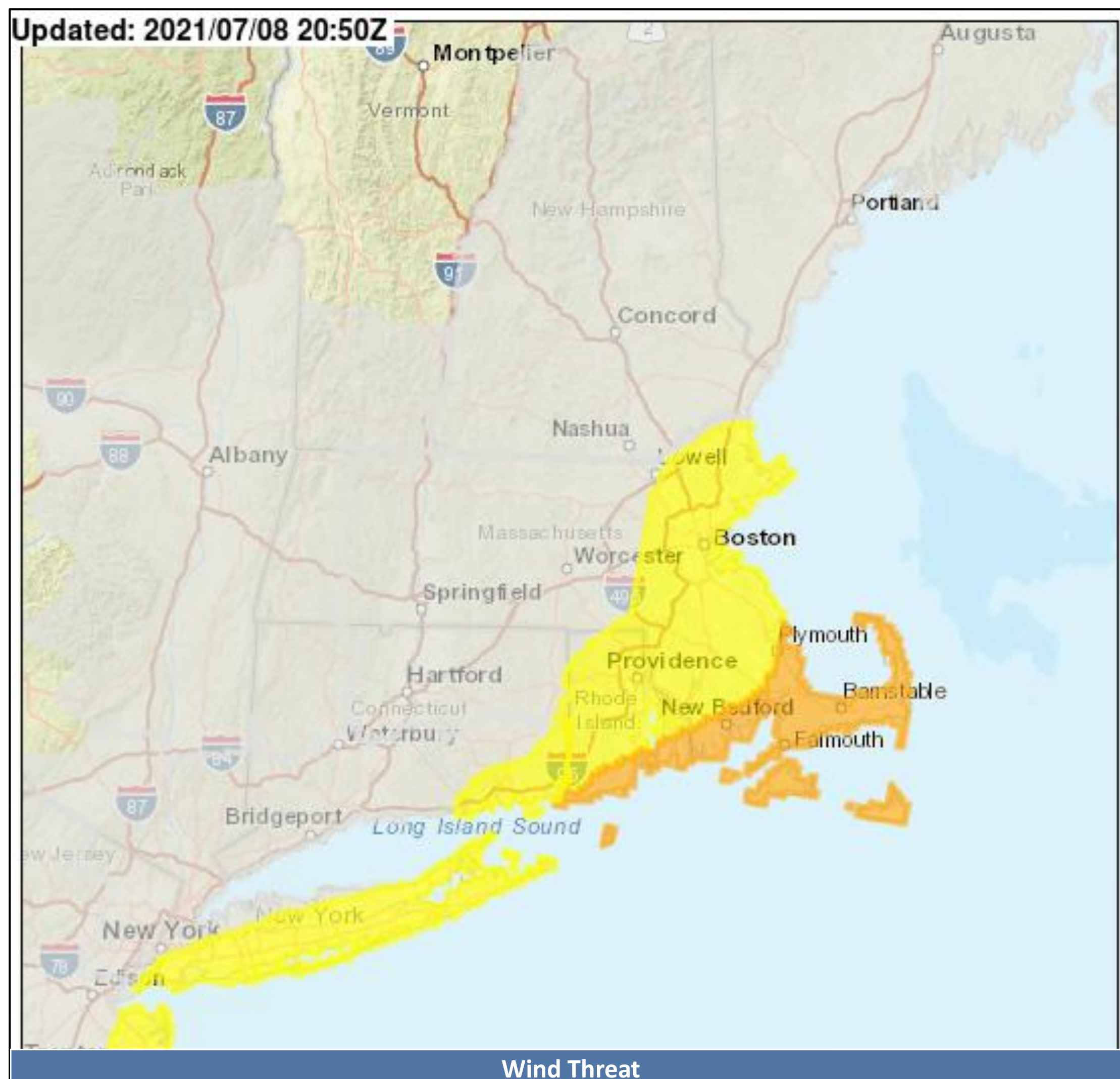
Impacts can occur well outside the area enclosed by the cone.





# Wind Threat / Potential Impact

Tropical Storm Elsa

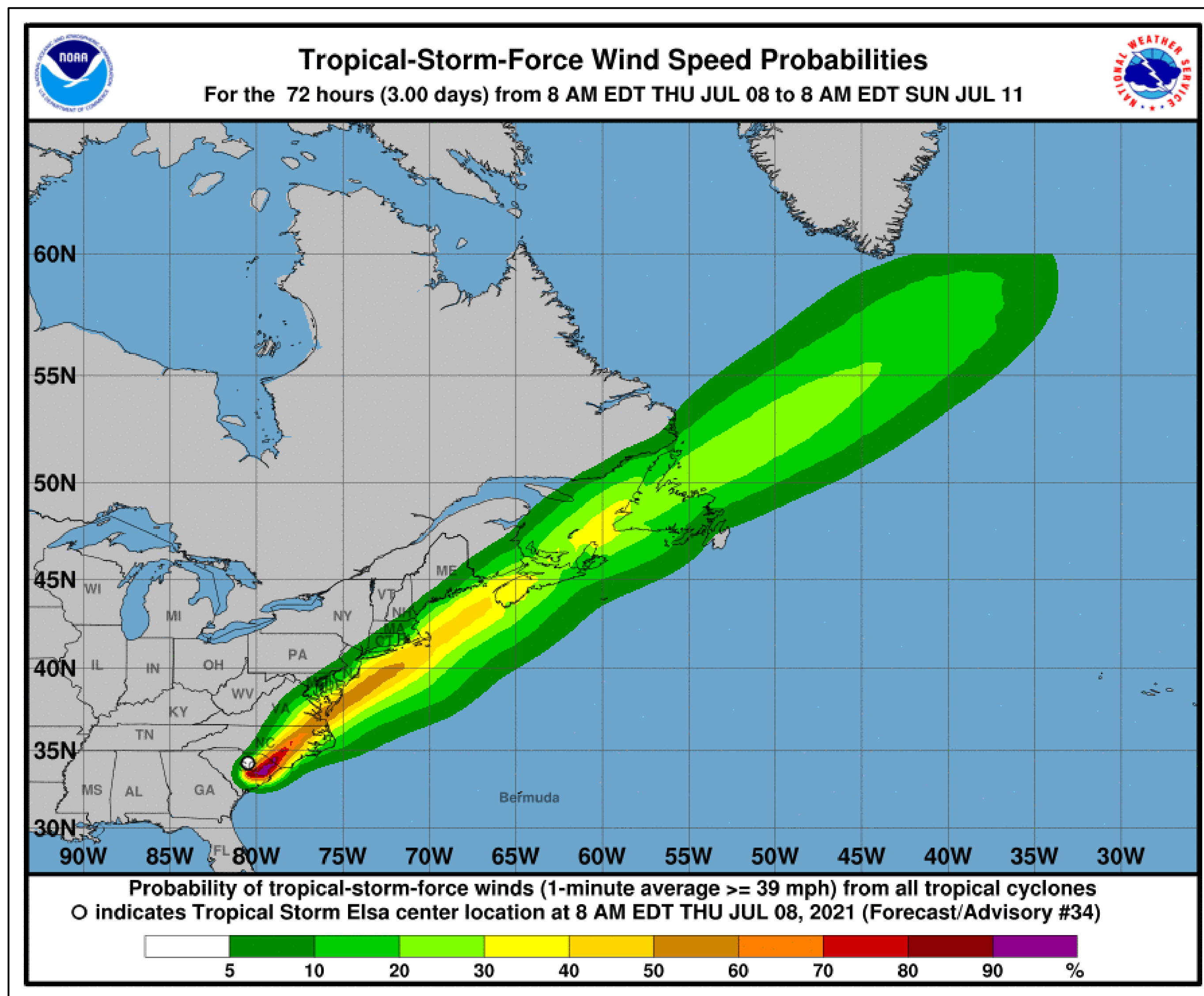


- Potential for 40 to 60 mph gusts on Cape Cod and the Islands
- The risk for power outages is highest along the south coast, including Cape Cod and the Islands due to damaging winds
- There is a lower risk of wind damage and power outages from the Providence to Boston corridor



# Tropical Storm Wind Speed Probabilities

Tropical Storm Elsa



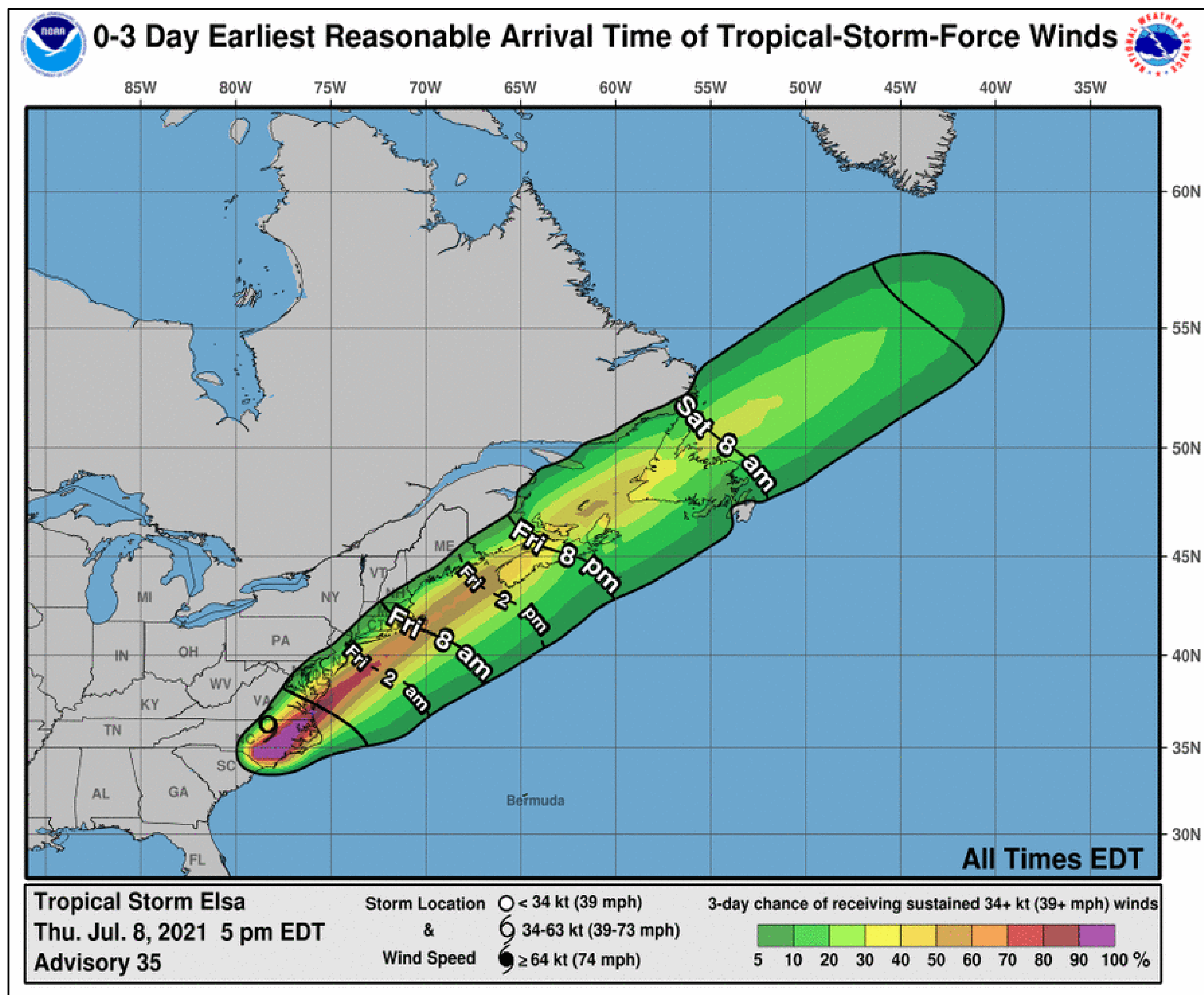
- Roughly 4 in 10 chance of winds reaching tropical storm force (sustained 40 mph) on Nantucket.
- Only 2 in 10 chance of tropical storm force winds across Rhode Island and southeast Massachusetts





# Earliest Reasonable Time of Arrival

## Tropical Storm Elsa

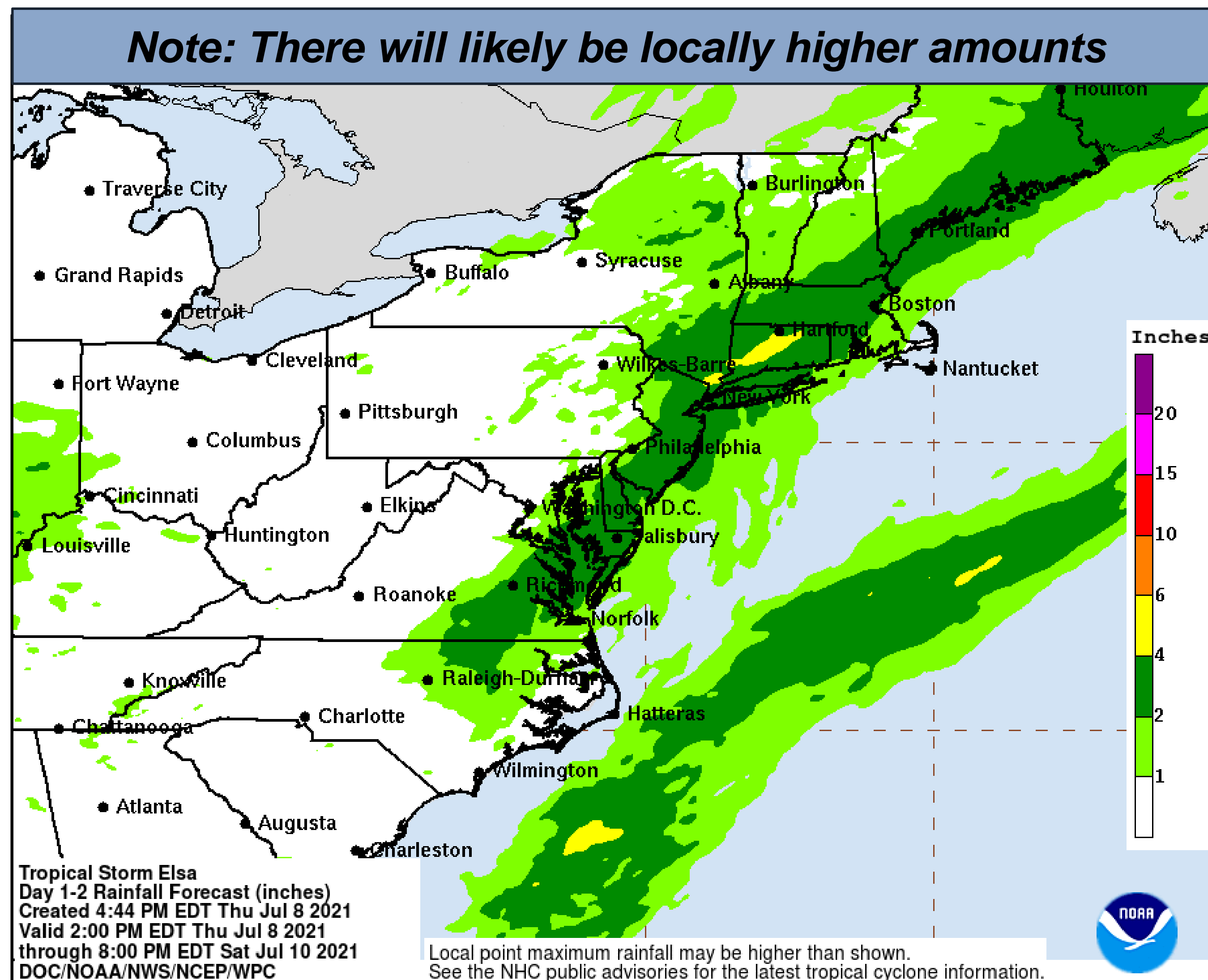


- The earliest reasonable time of arrival of tropical storm force winds, if they were to occur, would be Friday morning
- Period of strongest winds will only be about 8 hours



# Expected Storm Total Rainfall

Tropical Storm Elsa

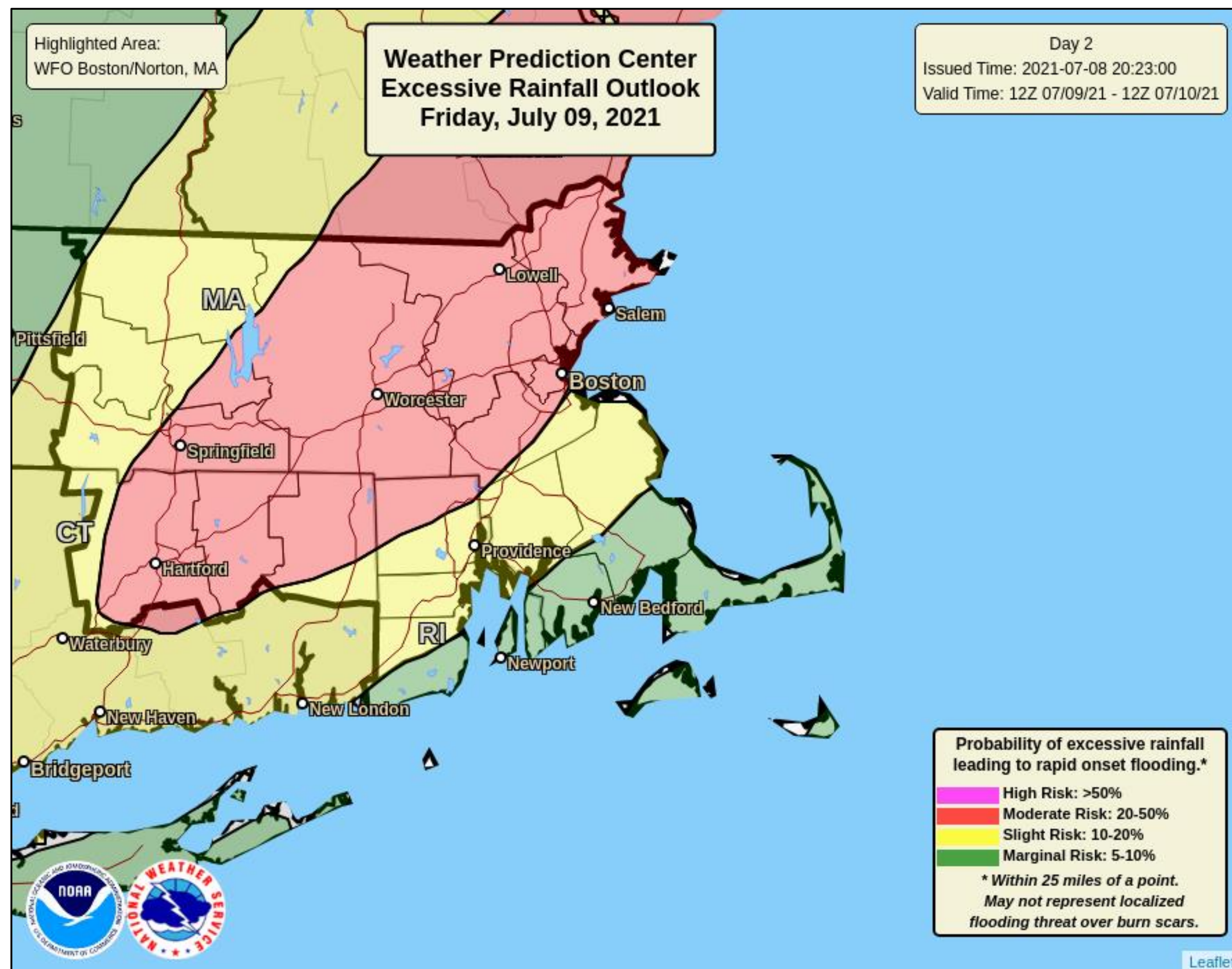






# Excessive Rainfall Outlook

Tropical Storm Elsa



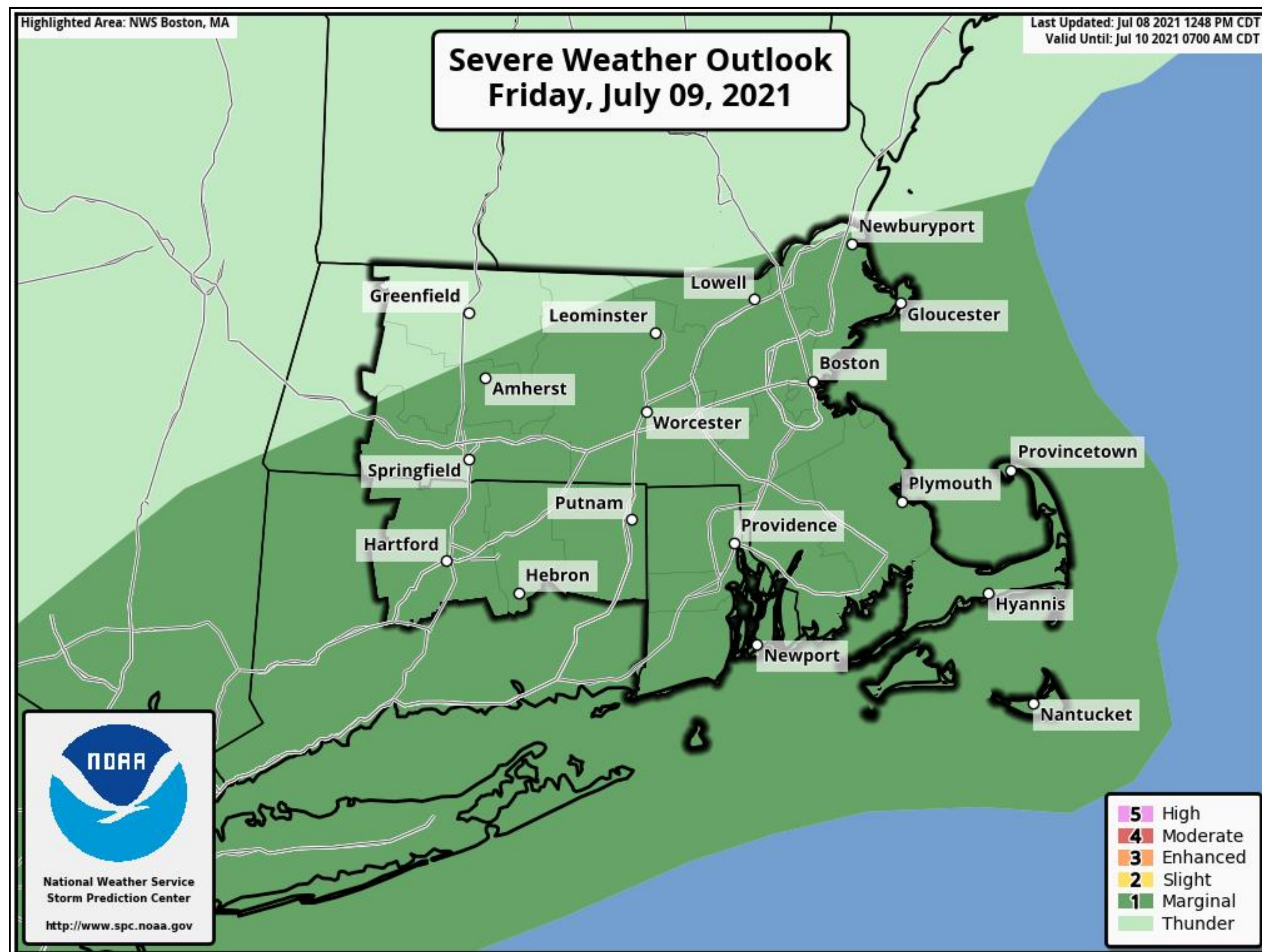
- Areas outlined in red have the greatest potential for flash flooding.





# Tornado Potential

Tropical Storm Elsa



- Main threat of tornadoes would be Friday morning into the afternoon.
- Additionally, there will be a risk of some scattered strong to severe storms behind the system, Friday evening.





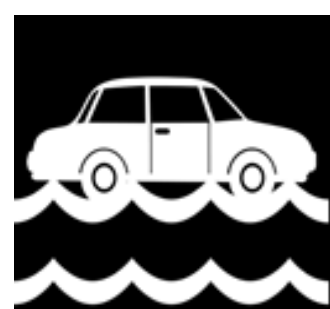
# Key Take-Aways

## Tropical Storm Elsa

Confidence is HIGH that the event will occur  
Confidence is HIGH regarding impacts



Potential for south /southeast wind gusts 40 to 60 mph, mainly south/east of Elsa's track. Greatest chances are in Rhode Island and southeast Massachusetts.



No coastal flooding anticipated



Heavy rain expected north/west of Elsa's track. This may lead to flash flooding.





Dangerous marine conditions expected across the coastal waters, especially around and south of the Cape and Islands. Potential for rough surf and rip currents, especially along the south coasts of RI and MA, which could linger into Saturday.






# Next Briefing: Friday around 6 AM Method: Email


**Web:** [weather.gov/box](http://weather.gov/box)

**Phone:** (508) 622-3250 (public)

**E-mail:** [box.operations@noaa.gov](mailto:box.operations@noaa.gov)

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