



TROPICAL STORM ELSA BRIEFING

5:00 AM ET
Thursday, July 8, 2021

What has changed: Tropical Storm Warnings and Flash Flood
Watches have been issued.

Next Briefing: Thursday, July 8 at 12 PM EDT

Disclaimer: The information contained within is time-sensitive. Do not use after 12:00 PM EDT Thursday.



Situation Overview

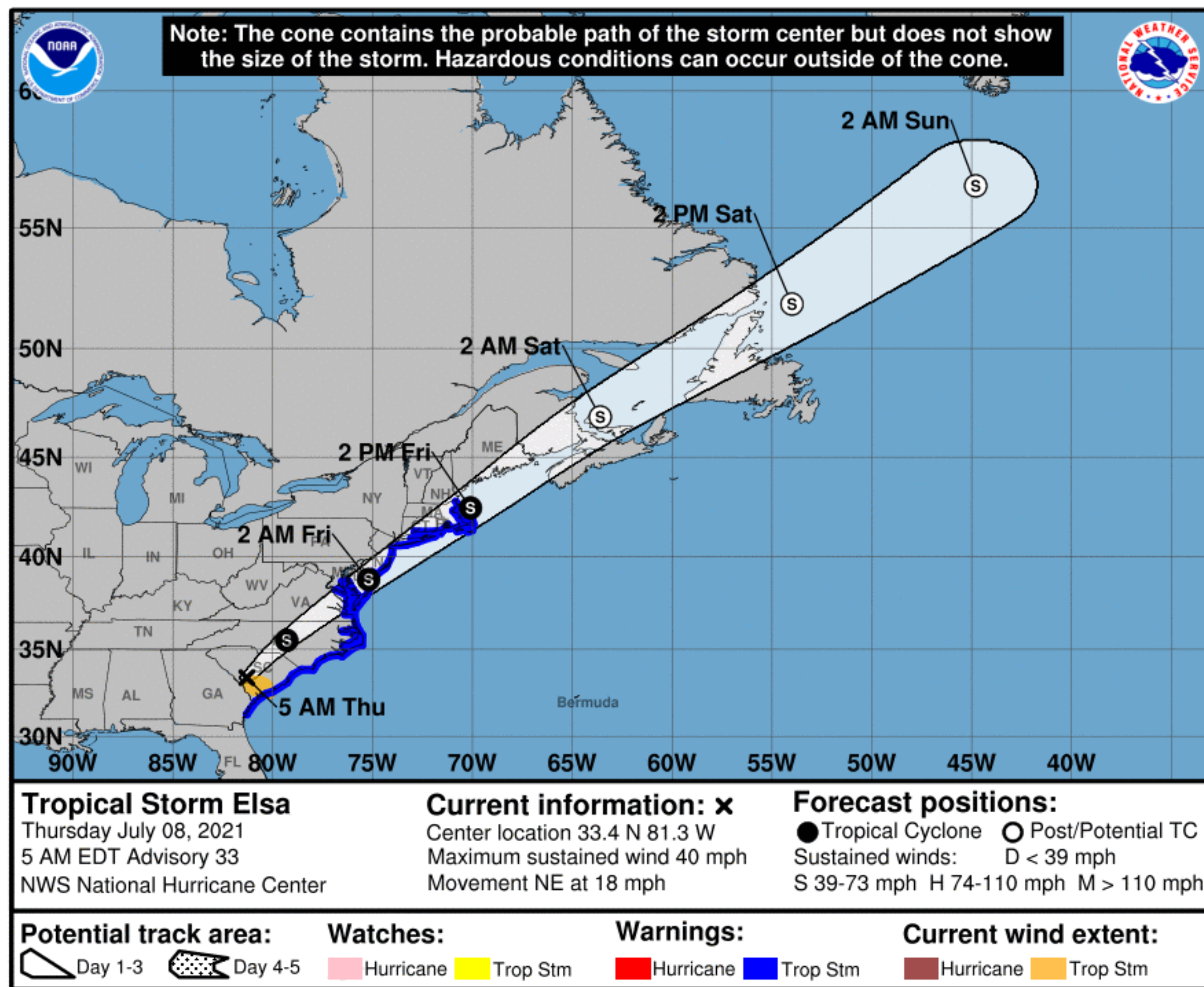
Tropical Storm Elsa

- 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 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.

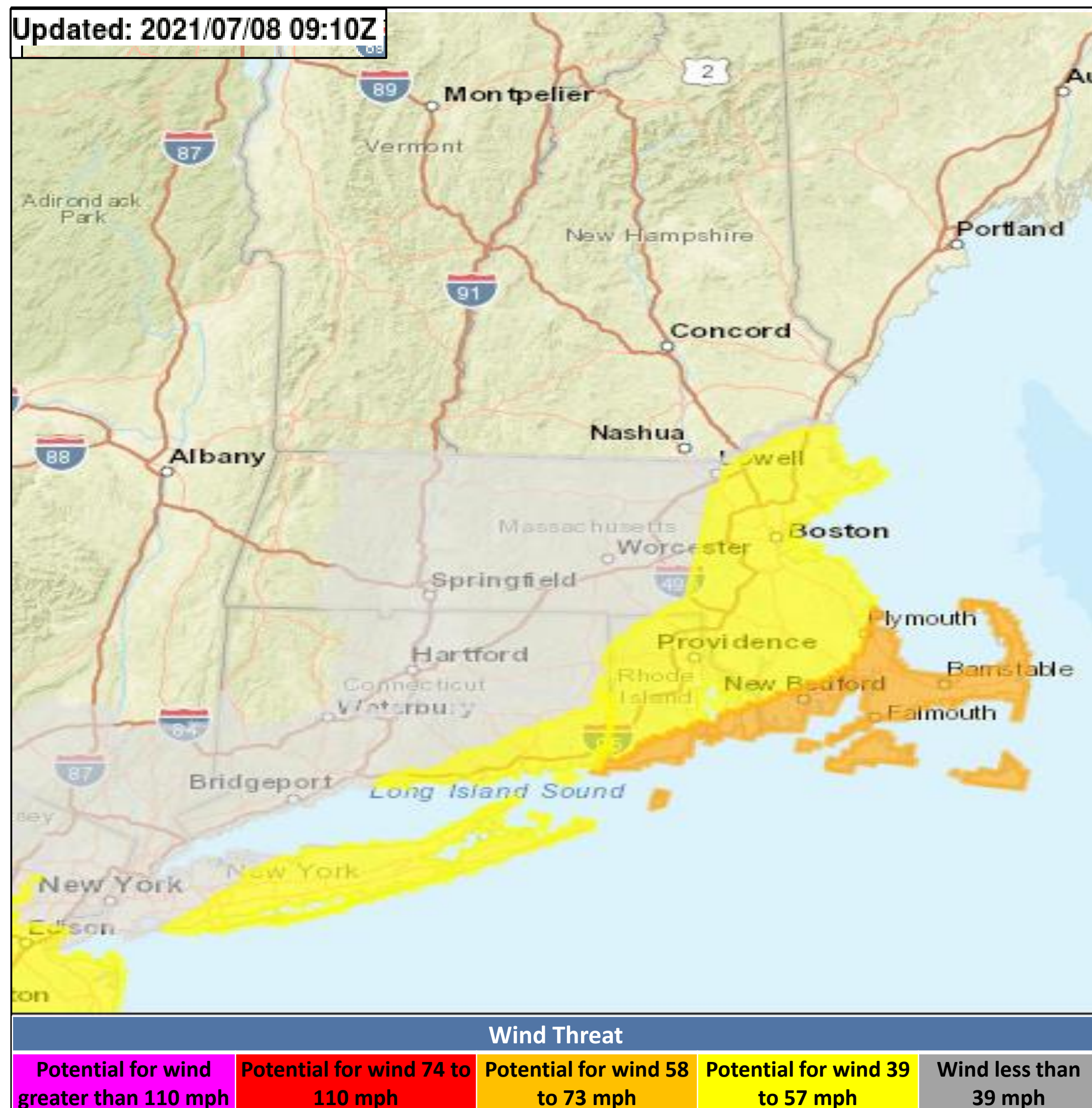
NOTE: Do not focus on the exact track.

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



Wind Threat / Potential Impact

Tropical Storm Elsa



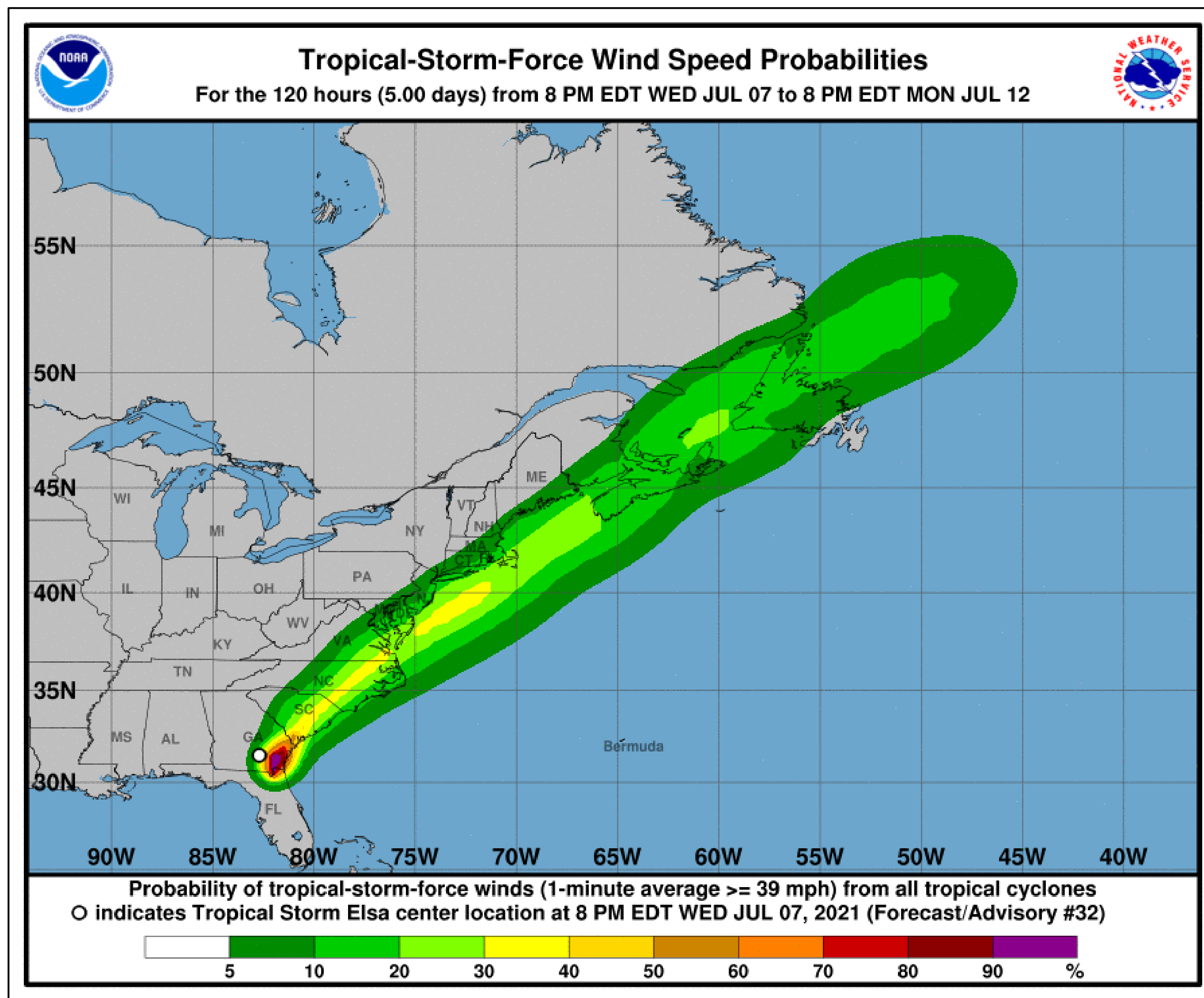
There is a potential for:

- 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

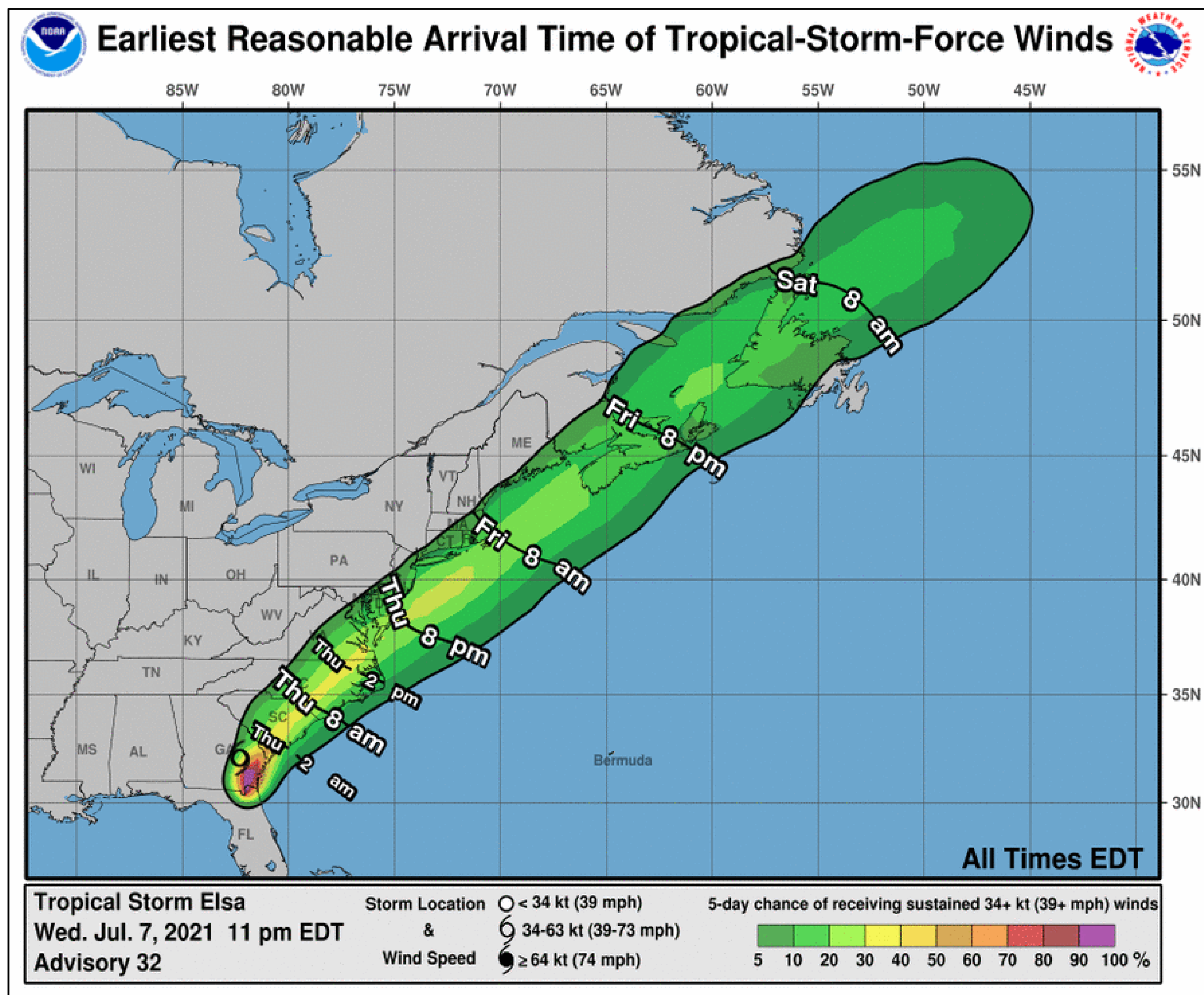


- Roughly 2 in 10 chance of winds reaching tropical storm force (sustained 40 mph) on Nantucket.
- Only 1 in 10 chance of tropical storm force winds across Rhode Island and southeast Massachusetts
- Tropical Storm Force gusts up to 50 mph are more likely in the warning area



Earliest Reasonable Time of Arrival

Tropical Storm Elsa

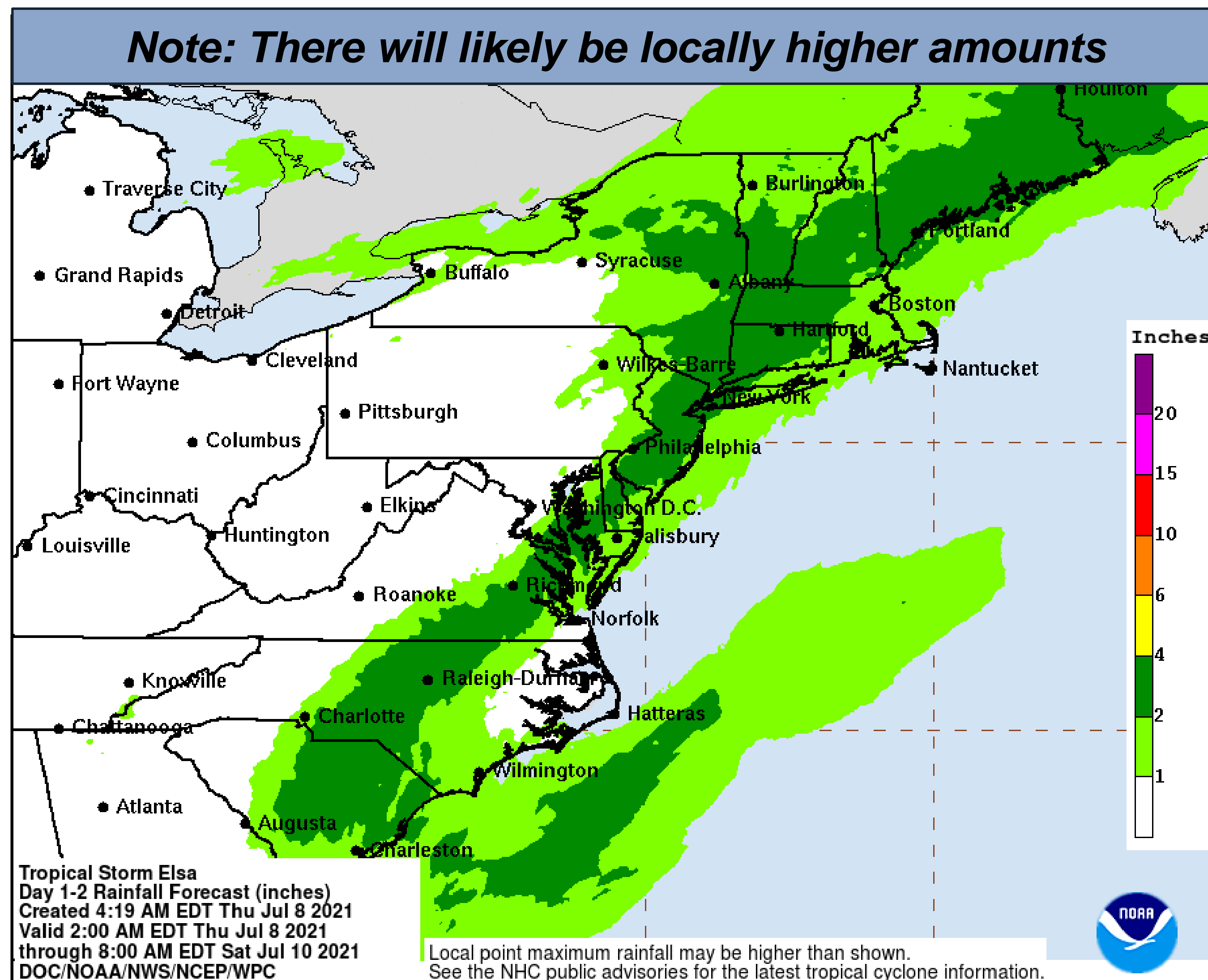


- The earliest reasonable time of arrival of tropical storm force winds, if they were to occur, would be Friday morning
- Period of strongest winds will only be about 8 hours



Expected Storm Total Rainfall

Tropical Storm Elsa

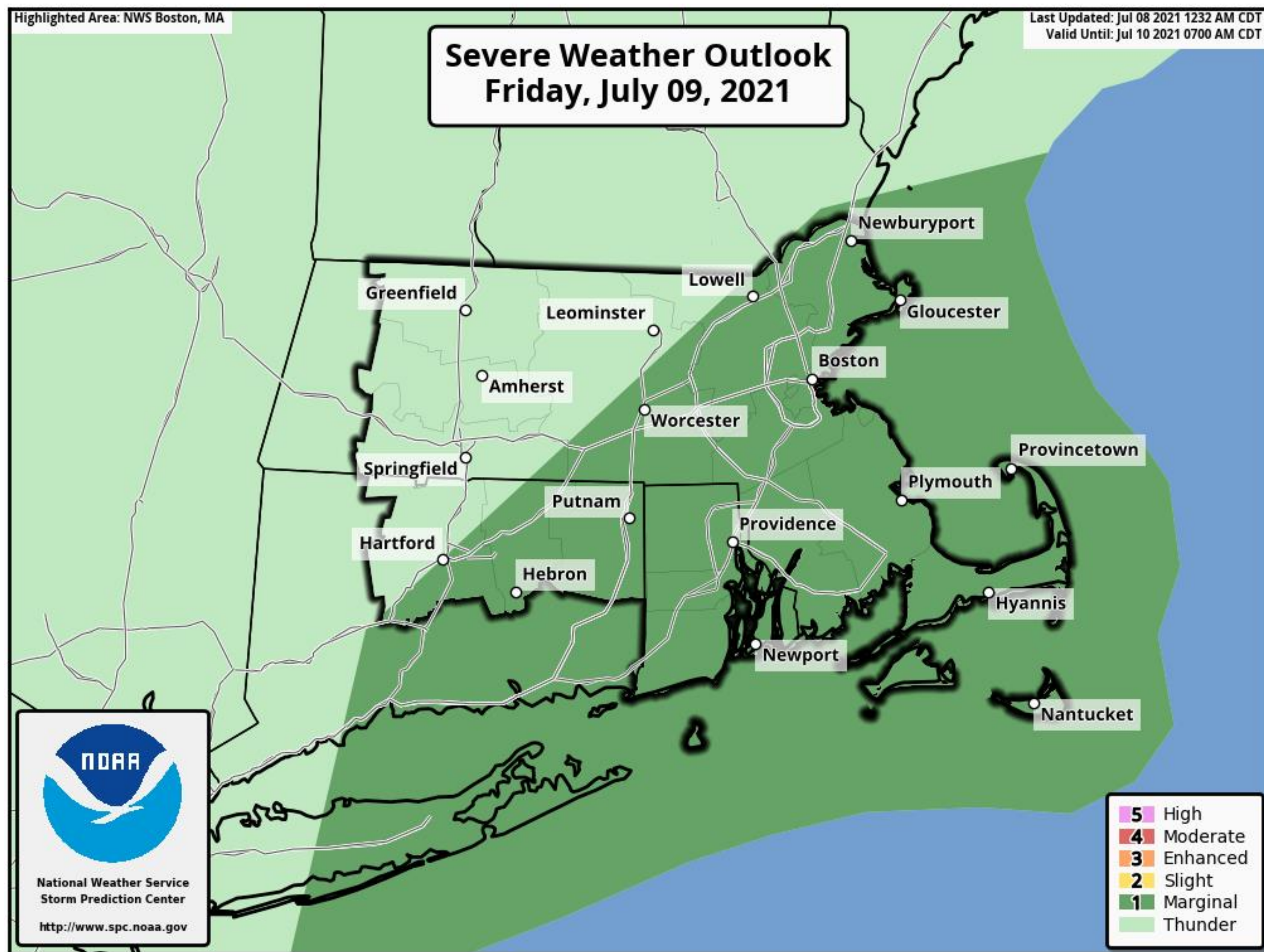


- Rain totals of 2-4 inches with isolated amounts up to 6 inches are possible.
- A Flash Flood Watch has been issued for much of southern New England.
- The graphic on the left shows the storm total rainfall valid from Thursday morning through Saturday morning
- Locally, most rain will occur on Friday



Tornado Potential

Tropical Storm Elsa



- Main threat of tornadoes would be Friday morning into the afternoon



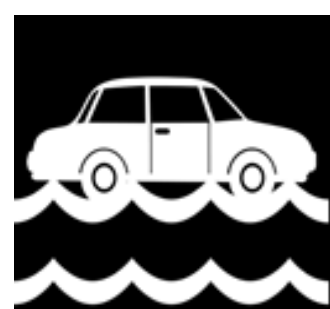
Key Take-Aways

Tropical Storm Elsa

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



Potential for south/southeast wind gusts up to 50 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: Thursday around 12 PM Method: Email

**Web:** weather.gov/box

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

**E-mail:** box.operations@noaa.gov

**Facebook:** NWSBoston

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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/box/tropical