



# TROPICAL STORM ELSA BRIEFING

Noon EDT  
Wednesday, July 7, 2021

What has changed: Track slightly farther west  
Next Briefing: Wednesday, July 7 at 6 PM EDT

*Disclaimer: The information contained within is time-sensitive. Do not use after 6:00pm EDT Tuesday.*



# Situation Overview

## Tropical Storm Elsa

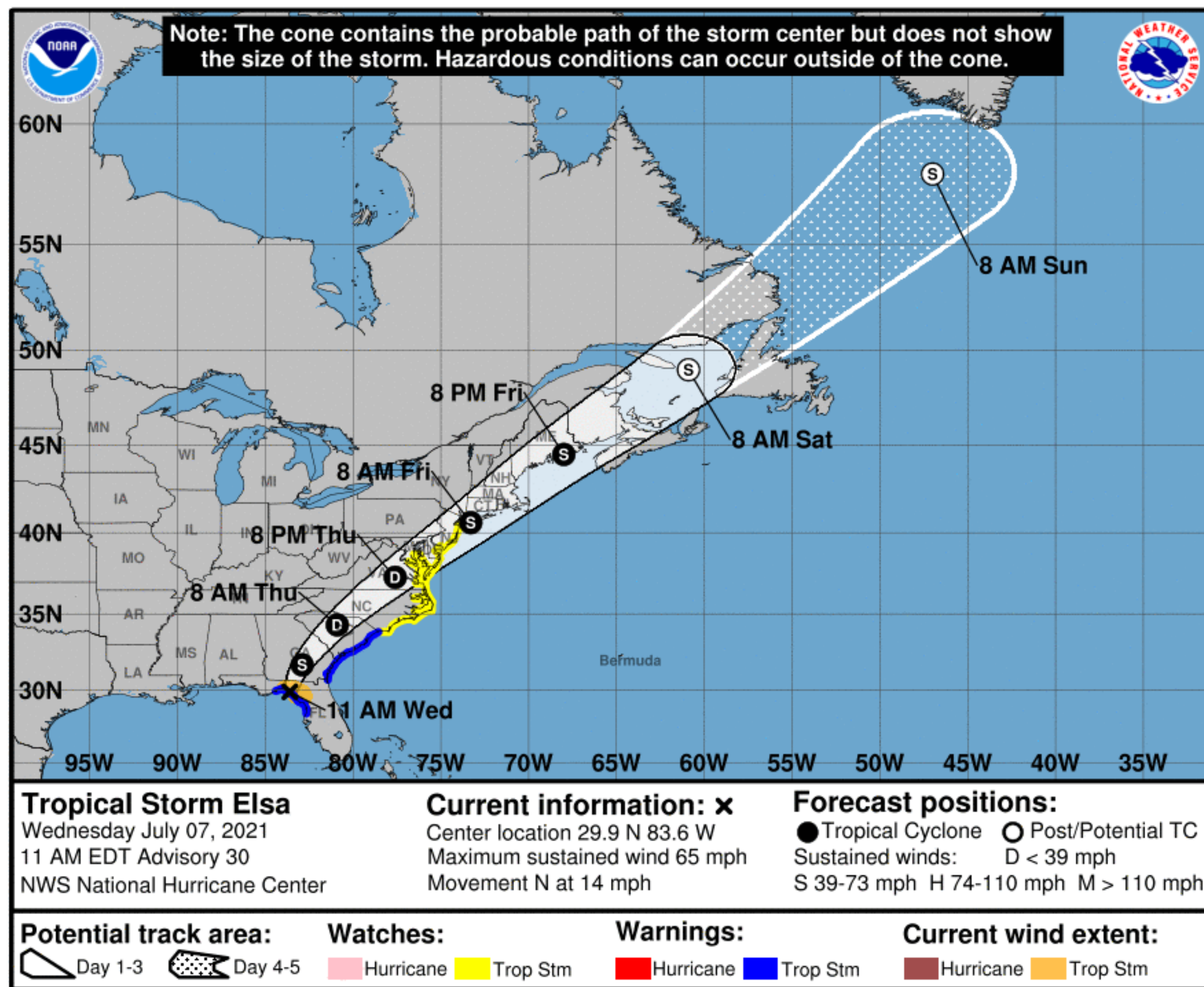
- Elsa expected to pass over southeast New England on Friday as a weak tropical storm
- Potential for heavy rainfall to the north of the storm's track
- Potential for wind gusts over 35 mph near and south of the storm's track
- Potential for dangerous marine conditions along with rough surf and rip currents along south coastal beaches
- No coastal/storm surge flooding expected





# Situation Overview

## Tropical Storm Elsa



- Track has shifted slightly farther west with less time over water, so intensity forecast is slightly lower than this morning. There is still some uncertainty with regard to exact track and intensity as Elsa makes its closest approach on Friday
- Confidence increasing that this will be a lower-end tropical storm.
- No watches are in effect at this time.

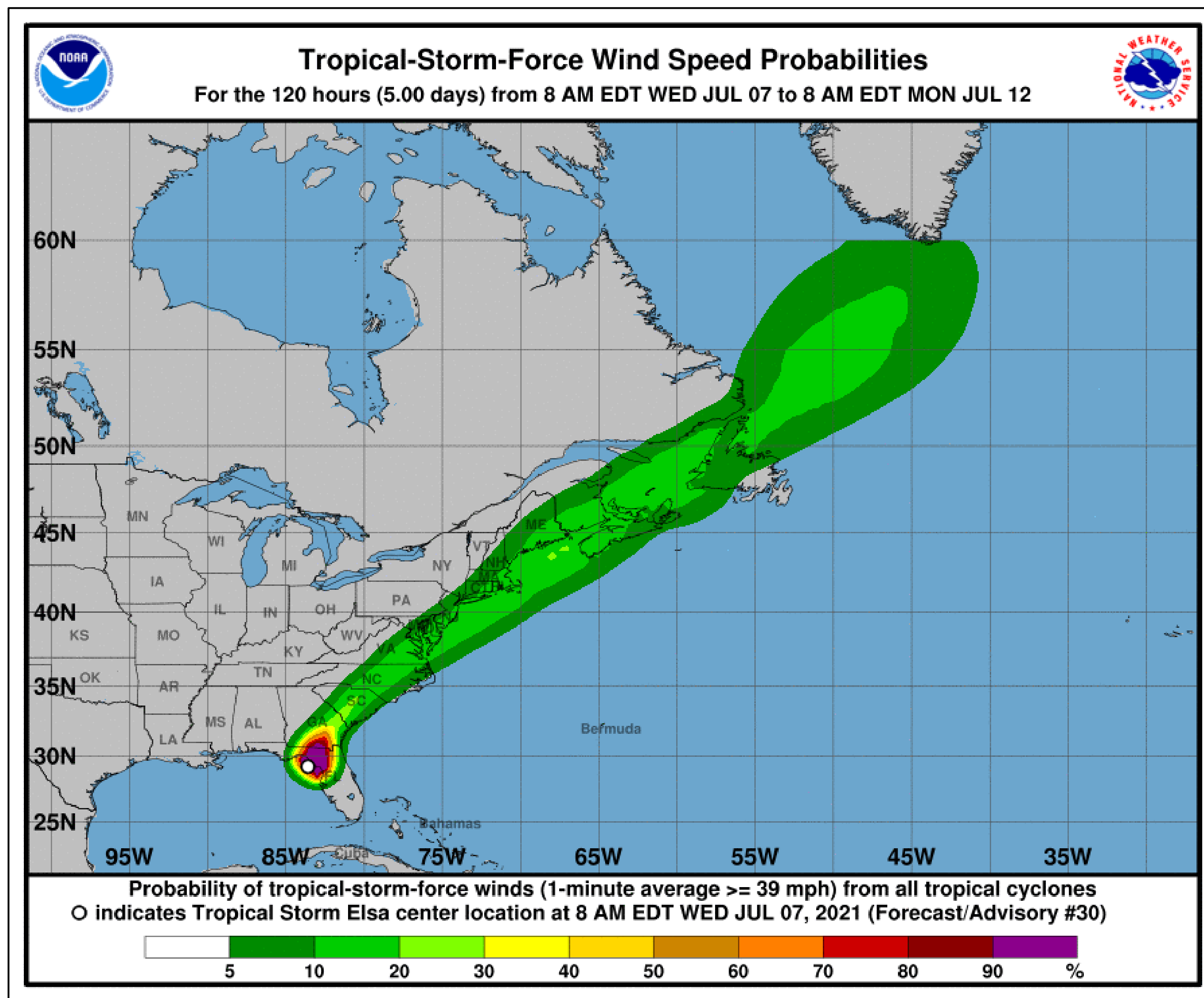
**NOTE:** Do not focus on the exact track.

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



# Tropical Storm Wind Speed Probabilities

Tropical Storm Elsa



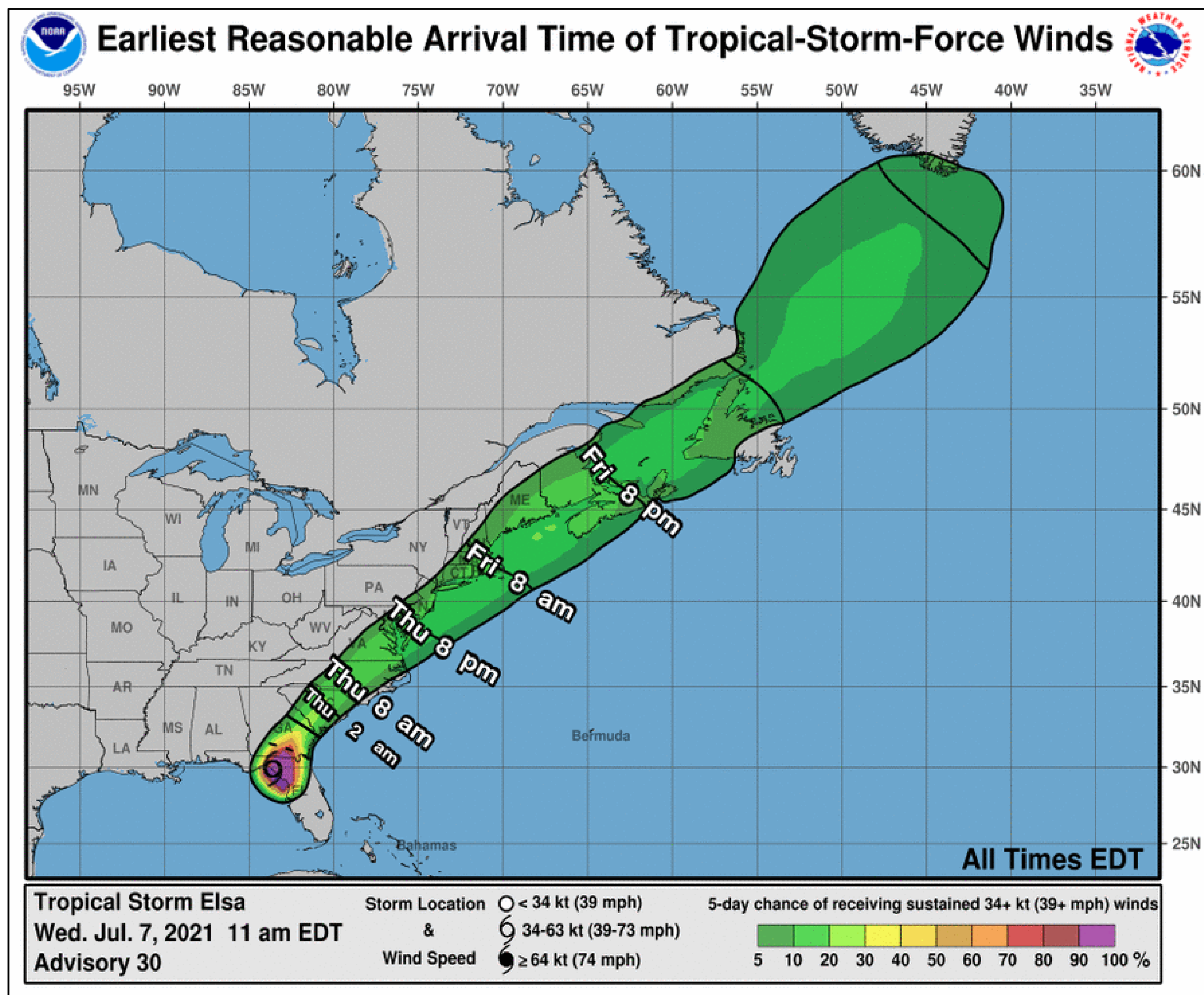
- Roughly 1 in 10 chance of winds reaching tropical storm force (sustained at 40 mph) across the Cape and Islands.
- Only 1 in 20 chance of tropical storm force winds (sustained at 40 mph) across Rhode Island and the rest of southeast Massachusetts.





# Earliest Reasonable Time of Arrival

Tropical Storm Elsa



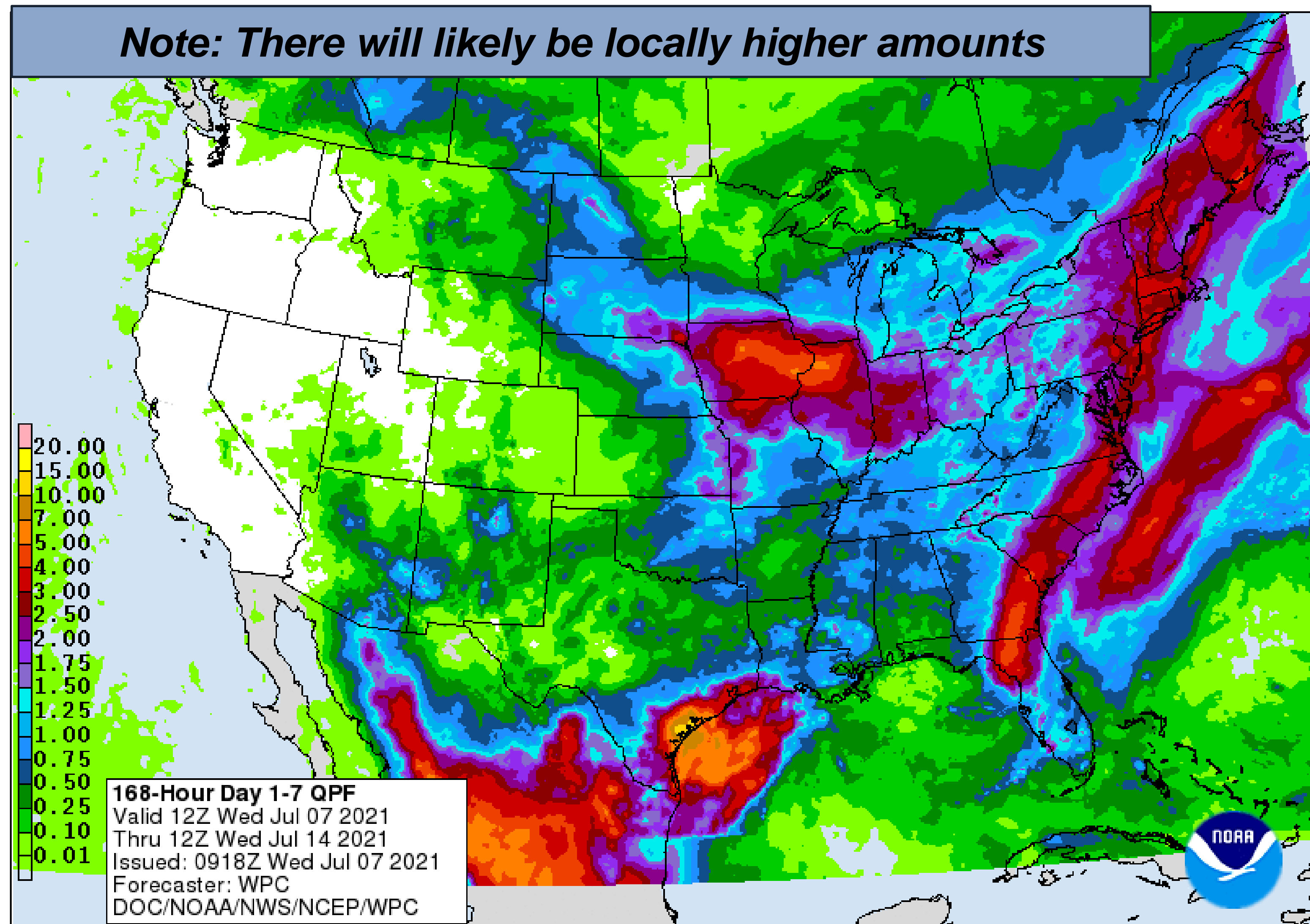
- The earliest reasonable time of arrival of tropical storm force winds, if they were to occur, would be around dawn Friday
- Period of strongest winds will only be about 6 hours



# Expected Storm Total Rainfall

Tropical Storm Elsa

**Note: There will likely be locally higher amounts**



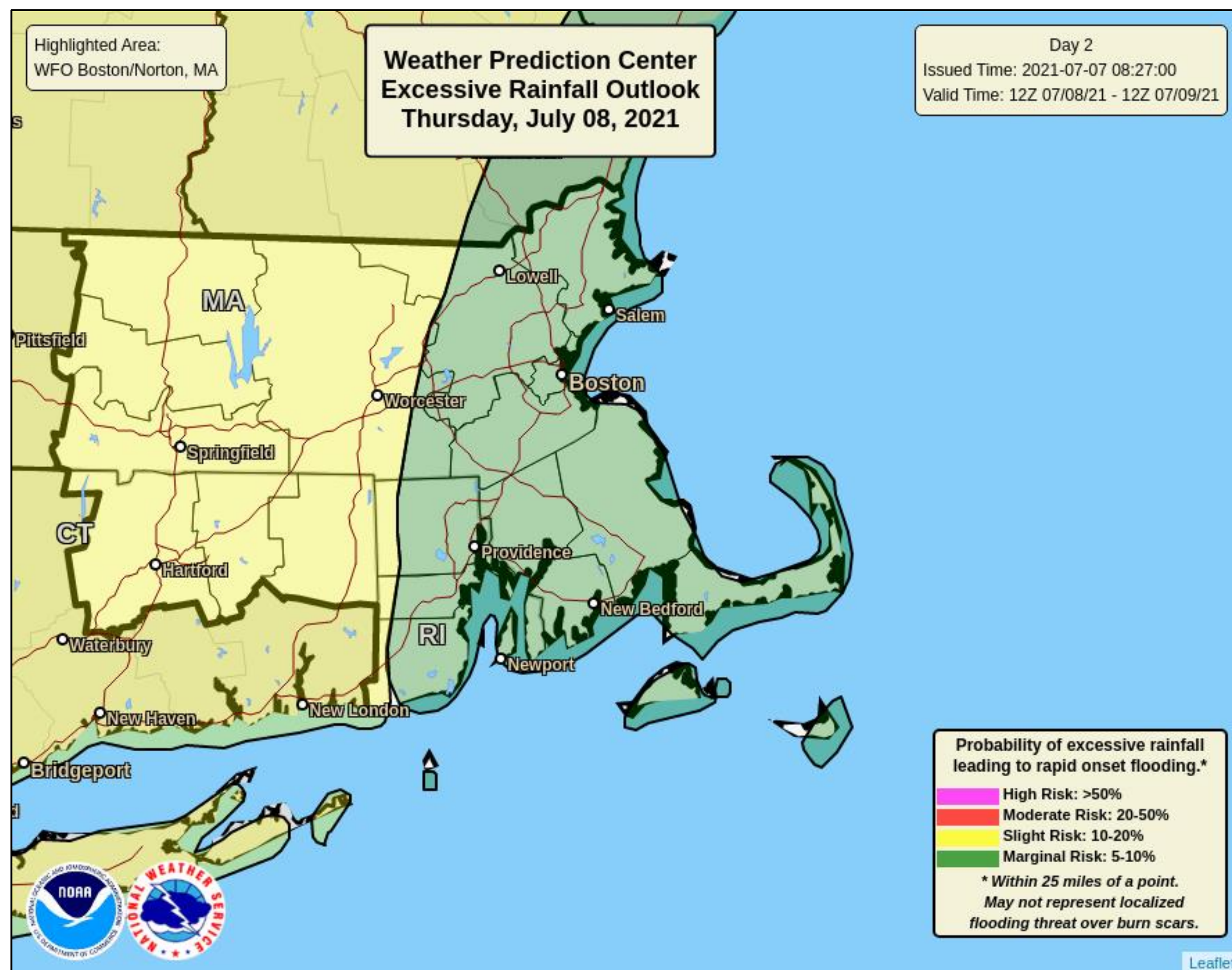
- Elsa could produce 2 to 3 inches of rainfall with locally higher amounts, mainly to the northwest of the track. Greatest risk is central and western MA and portions of northern CT and northern RI.
- Note: Map at left shows 7-day totals through July 14.





# Excessive Rainfall Outlook

Tropical Storm Elsa



- The map shows that western portions of southern New England are in a “Slight Risk” for excessive rainfall through Thursday night. Additional rain is likely Friday morning.





# Key Take-Aways

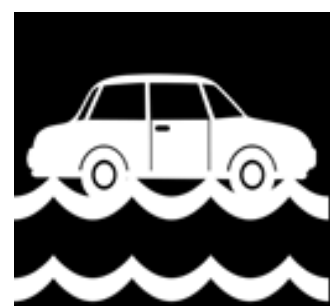
## Tropical Storm Elsa

Confidence is MODERATE that the event will occur

Confidence is MODERATE regarding impacts



Potential for gusty winds above 35 mph mainly south/east of Elsa's track. Greatest chances are in RI and eastern MA.



No coastal flooding anticipated



Heavy rain possible north/west of Elsa's track.





Dangerous marine conditions possible 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.








# Next Briefing: Wednesday around 6 PM Method: Email

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

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

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