

## IMPACTS FOR D8:

Winds – **High**

Storm Surge – **Moderate**

Rainfall/Flash Flooding – **Moderate**

Tornadoes – **Low**

Waves - **Moderate**

# HURRICANE HANNA BRIEFING



9:00 AM CDT  
Saturday, July 25, 2020

Prepared by:  
Chris Landsea

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

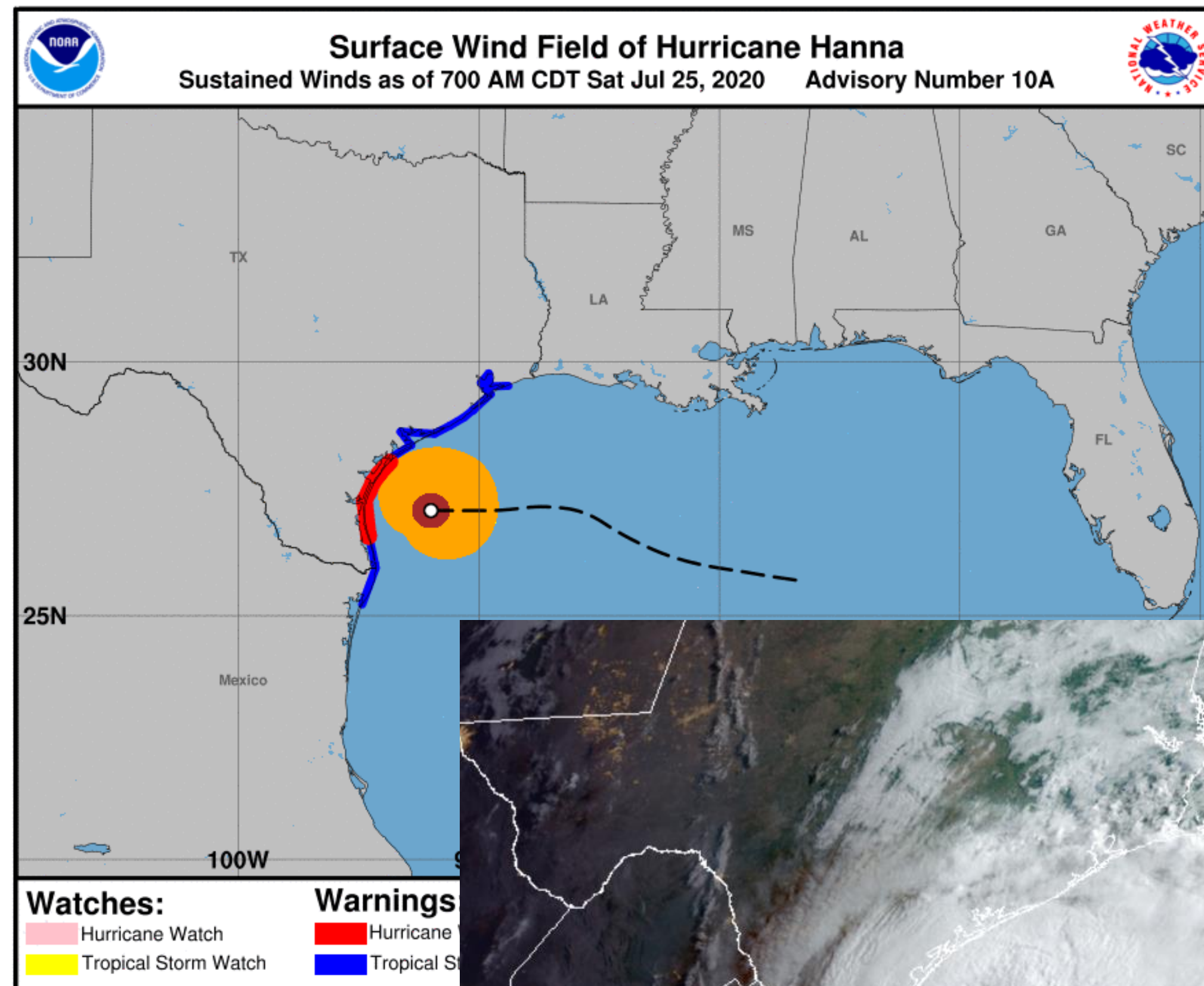


# Situation Overview

## Hurricane Hanna



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NWS National Hurricane Center



**...NOAA HURRICANE HUNTERS AND DOPPLER WEATHER RADARS FIND HANNA HAS BECOME THE FIRST HURRICANE OF THE 2020 ATLANTIC HURRICANE SEASON...**

### SUMMARY OF 700 AM CDT INFORMATION

LOCATION...27.1N 96.0W  
ABOUT 90 MI ENE OF PORT MANSFIELD TX  
ABOUT 100 MI ESE OF CORPUS CHRISTI TX  
MAXIMUM SUSTAINED WINDS...65 KT  
PRESENT MOVEMENT...W AT 8 KT

### SIZE (IN NAUTICAL MILES)

64 KT..... 20NE 0SE 0SW 00NW.  
50 KT..... 40NE 30SE 0SW 30NW.  
34 KT..... 80NE 70SE 20SW 70NW.  
12 FT SEAS..105NE 45SE 30SW 90NW.

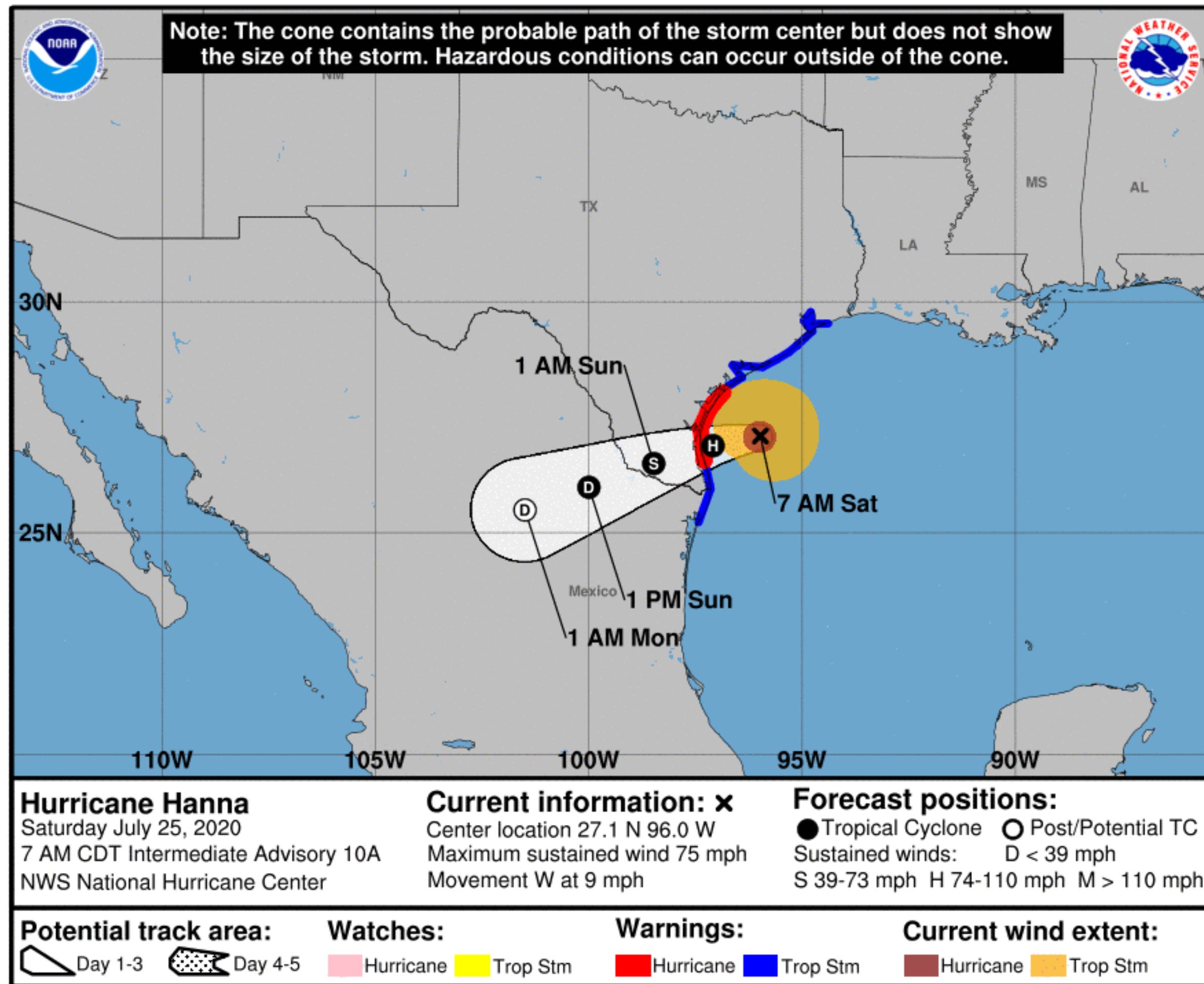


# Forecast Information

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**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- A track toward the west-southwest is expected with landfall later today in south coastal Texas
- Some slight additional intensification may occur before landfall, followed by quick weakening
- Current center forecast positions through the next 3 days illustrated by dots
- White swath of potential track is average track error added to each side of the forecast track through day 3

**\*\* Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.**





# Hazards Map

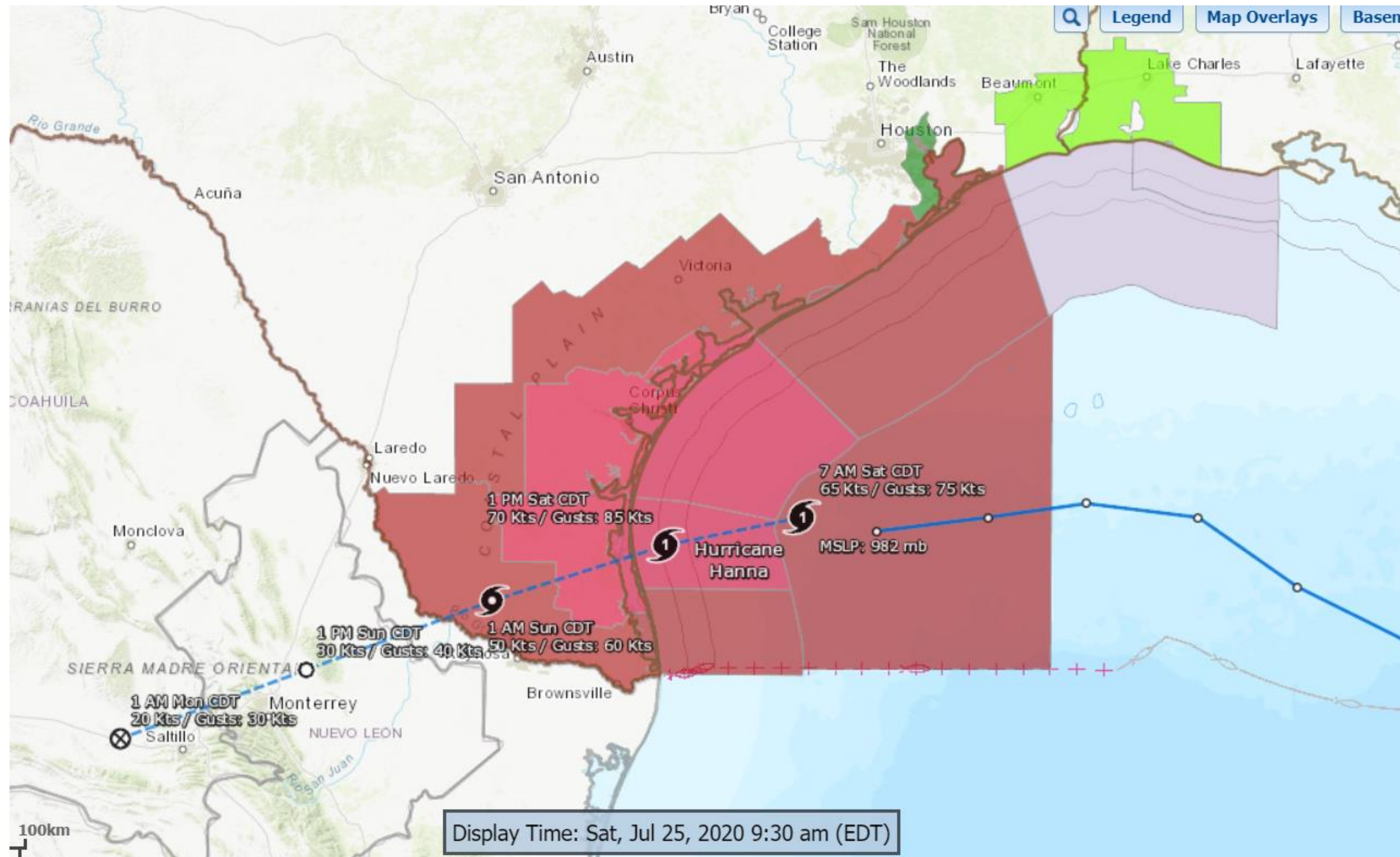
## Hurricane Hanna



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<https://nowcoast.noaa.gov/>

 Hurricane Warning  
 Tropical Storm Warning



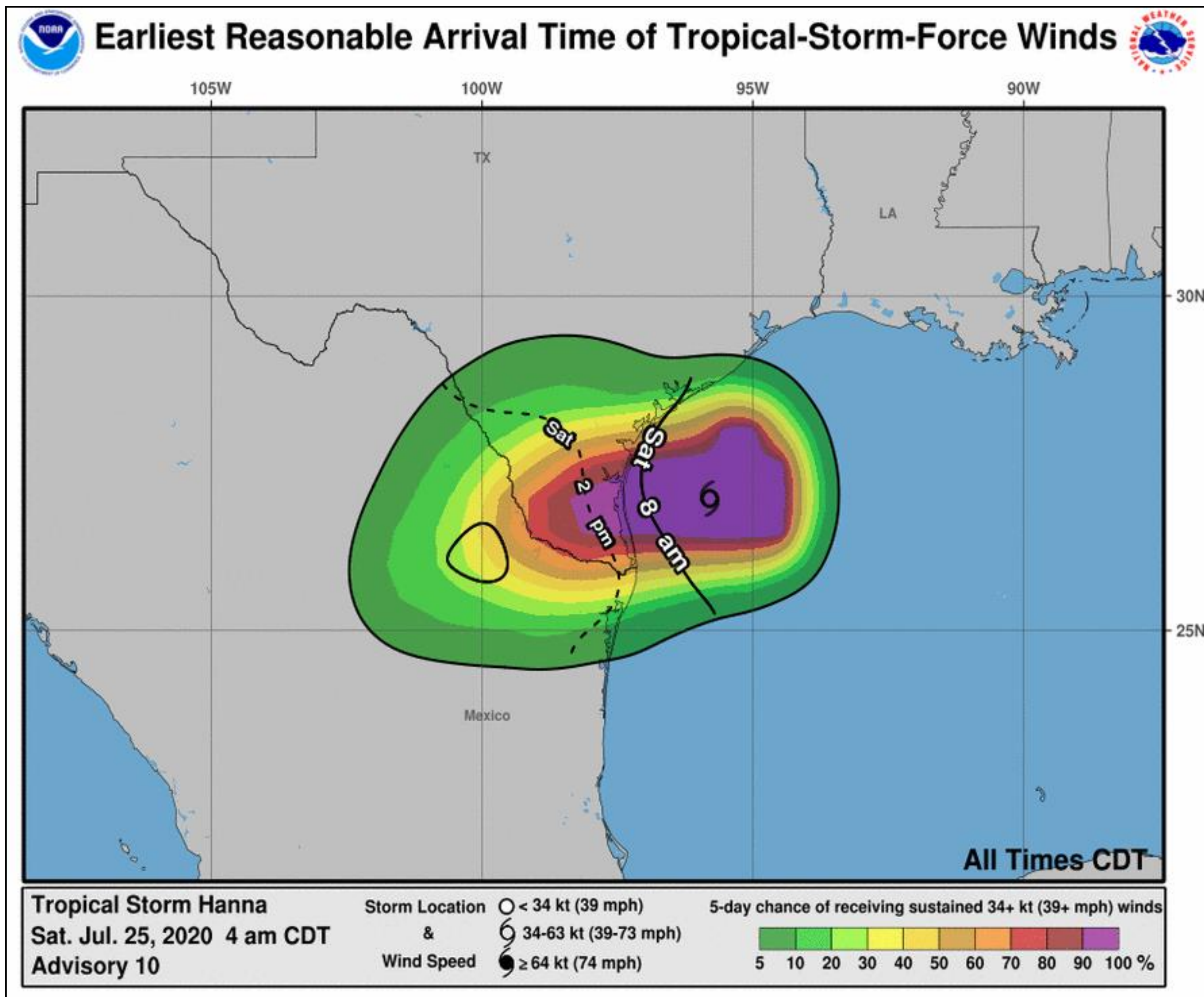


# Earliest Reasonable Time of Arrival of Tropical Storm Winds



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## Hurricane Hanna



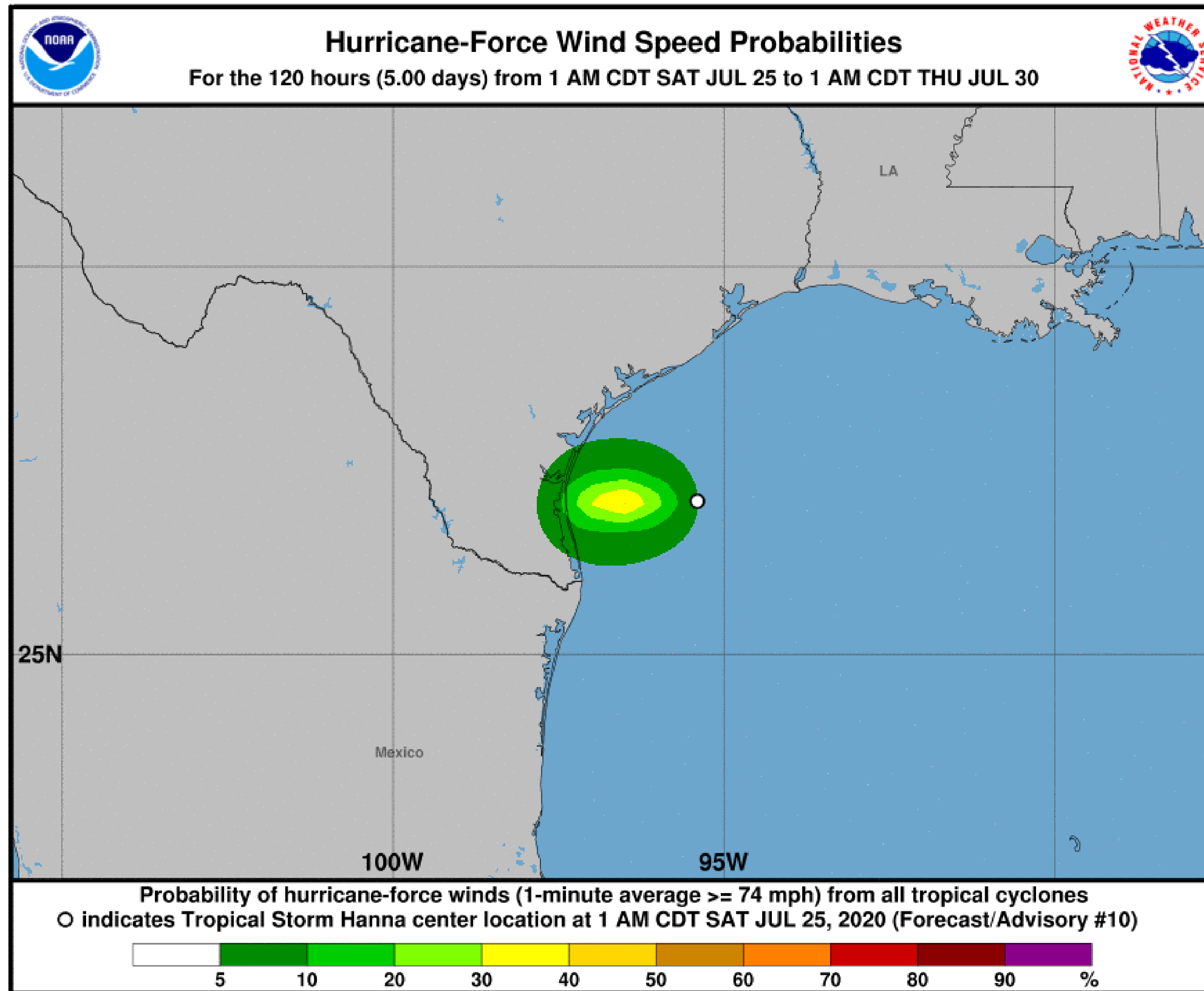
- Tropical Storm winds will impact south coastal Texas and inland now through Sunday
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

# Hurricane Wind Probabilities

Hurricane Hanna



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- **Hurricane Winds are expected along coastal south Texas, but not inland locations**
- **Probabilities will go up at next advisory**
- The chance Hurricane Force Winds (64 kt and greater) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- See the color bar below the image for more details.

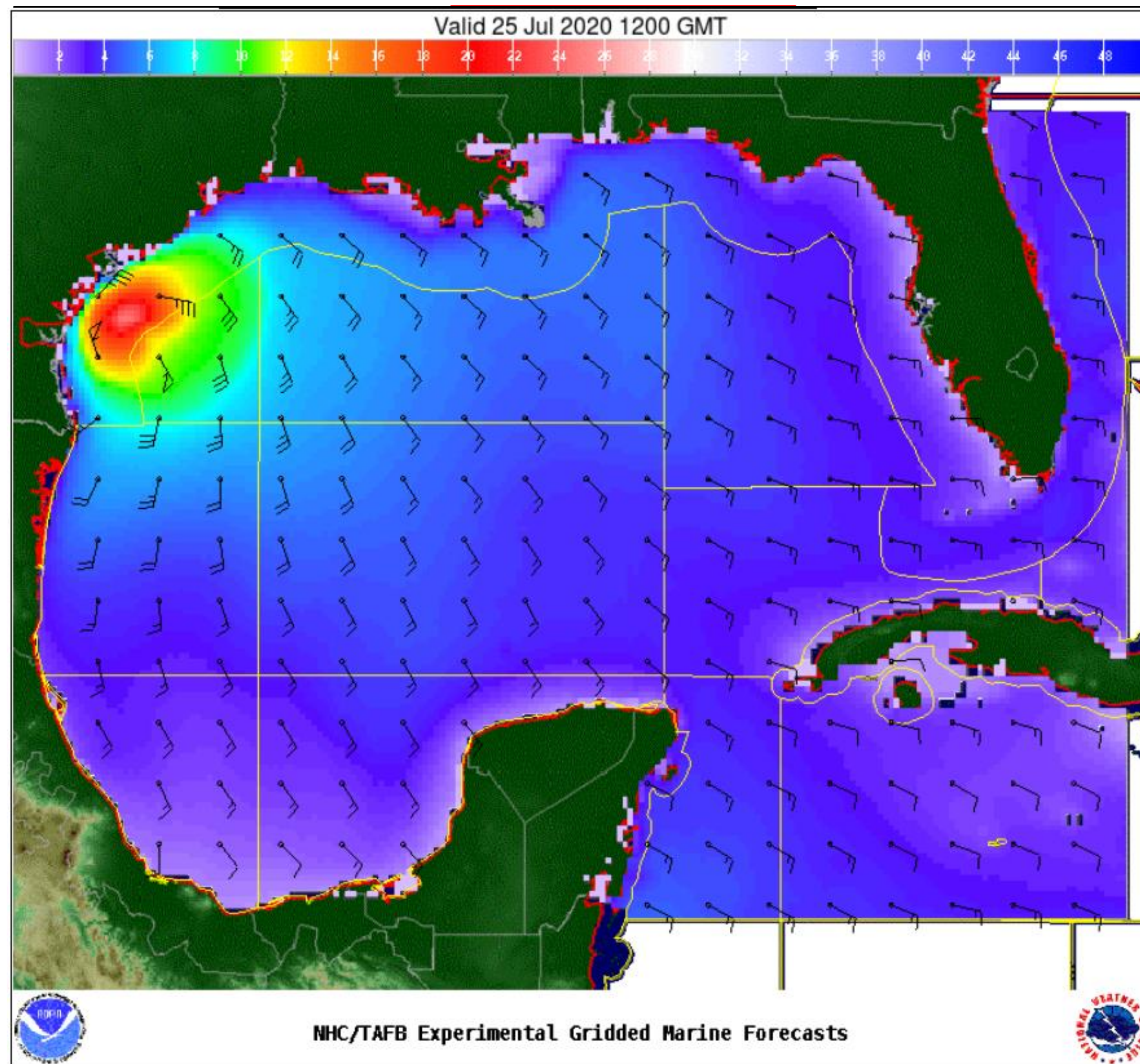


# Wind And Waves

Hurricane Hanna



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## Current Conditions

**0700 CDT, Saturday, July 25<sup>th</sup>, 2020**

Peak Winds: 65 kt

Peak Seas: 22 ft

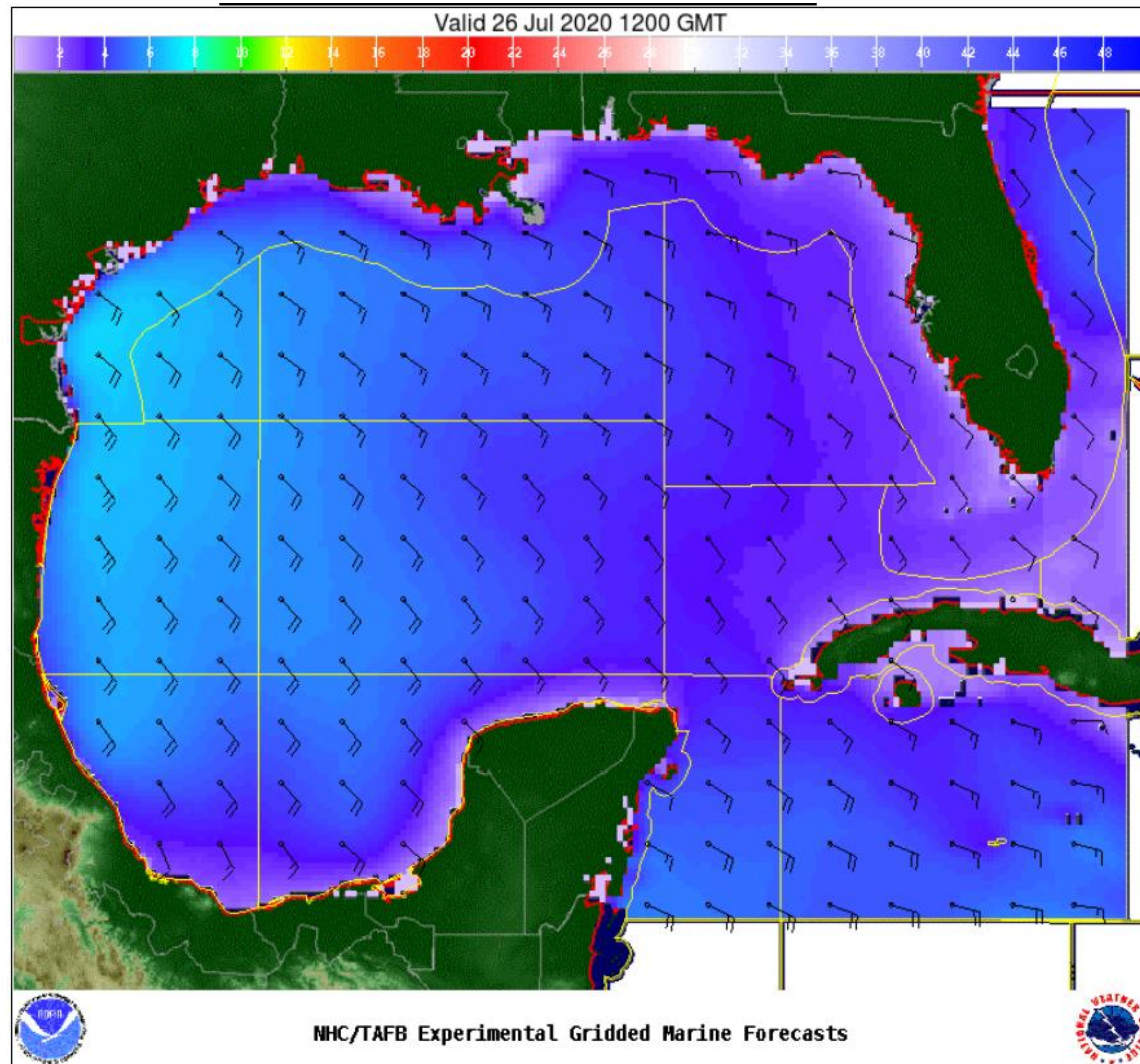


# Wind And Waves

Hurricane Hanna



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## 24 Hour Forecast

**0700 CDT, Sunday, July 26<sup>th</sup>, 2020**

Peak Winds: 25 kt (over water)

Peak Seas: 10 ft

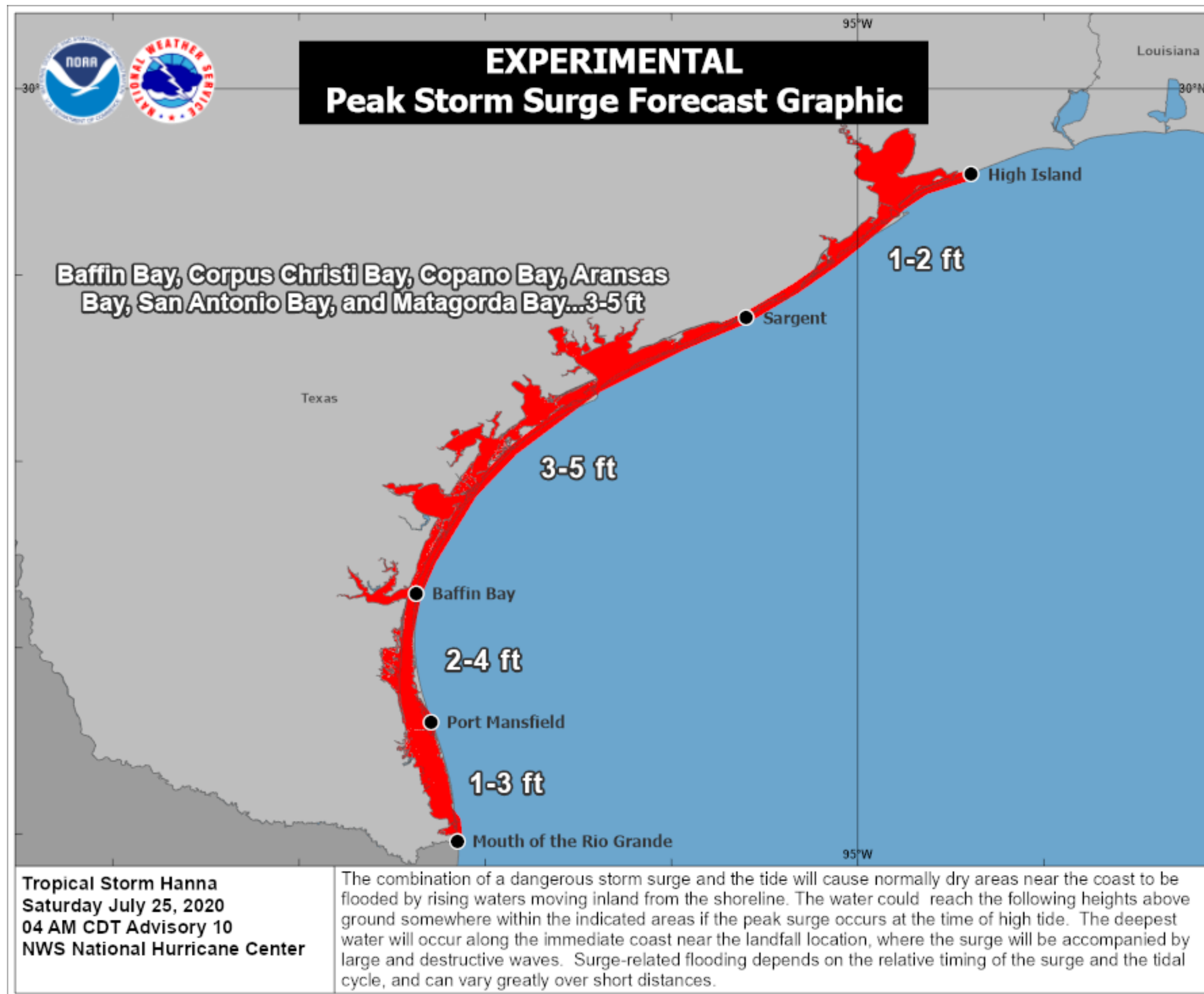


# Potential Peak Storm Surge and Storm Surge Warnings

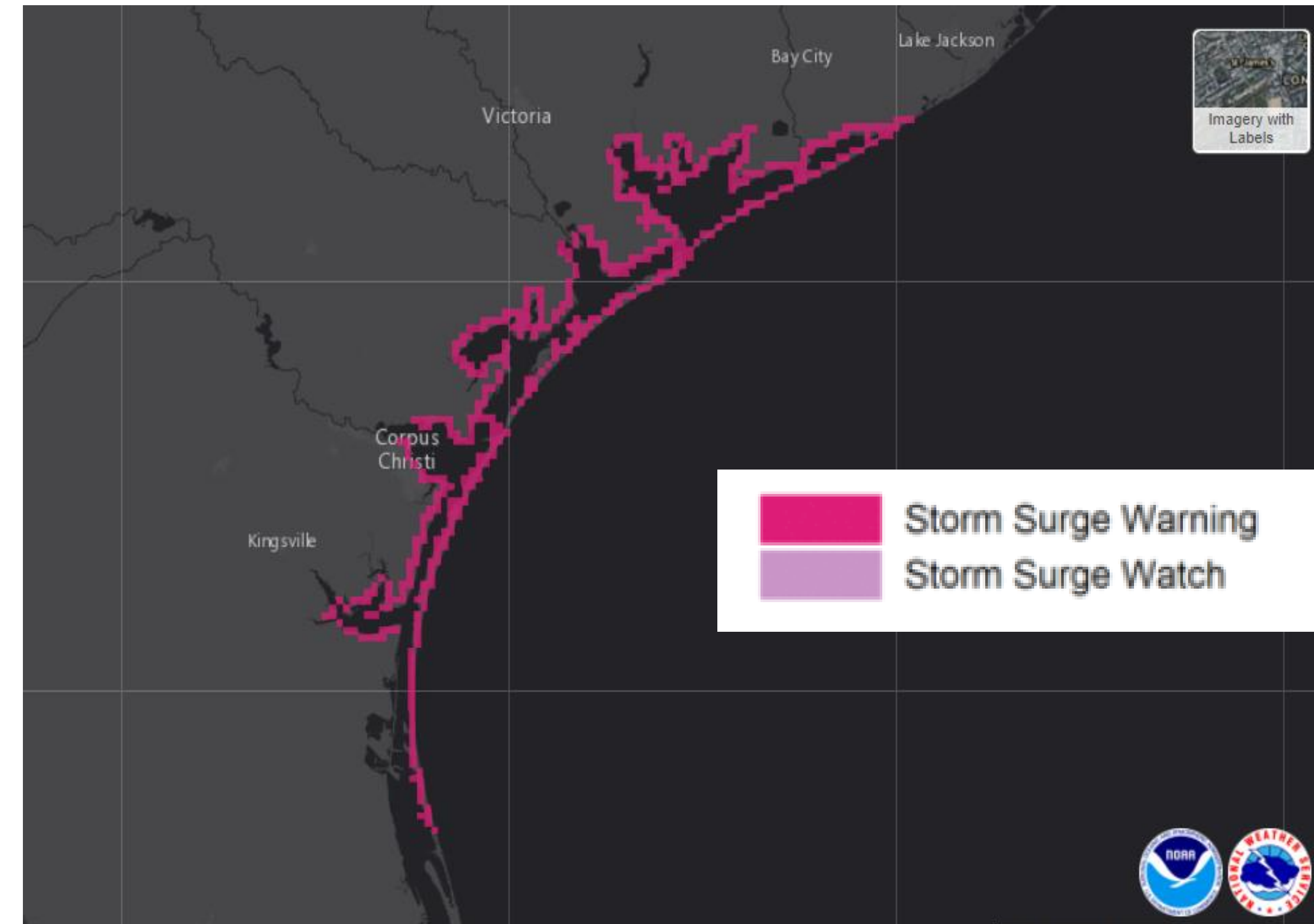


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## Hurricane Hanna



- Potential storm surge is represented in feet above the ground at any given point.



For a warning, there is a danger for life threatening inundation of 3 ft or greater.

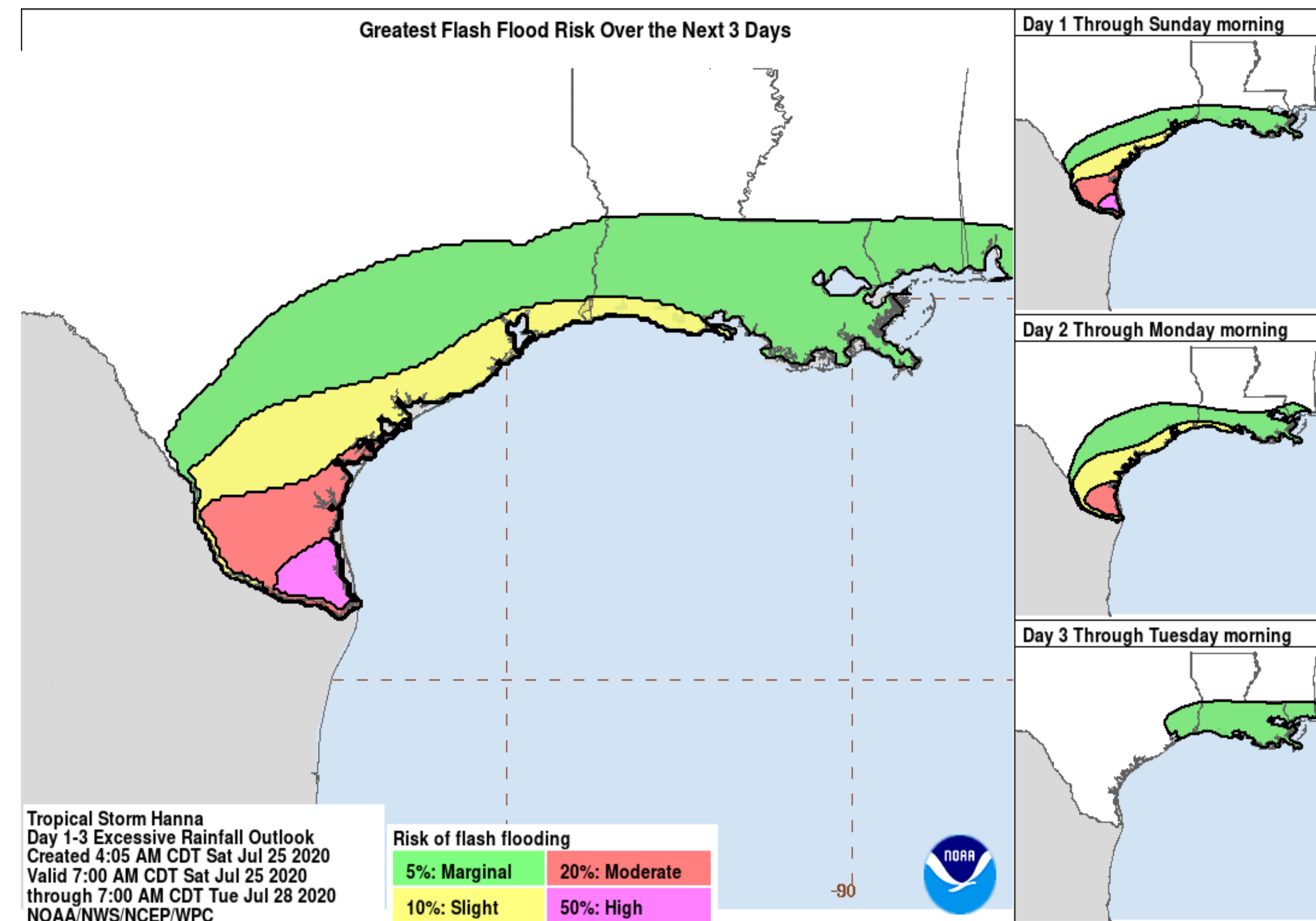
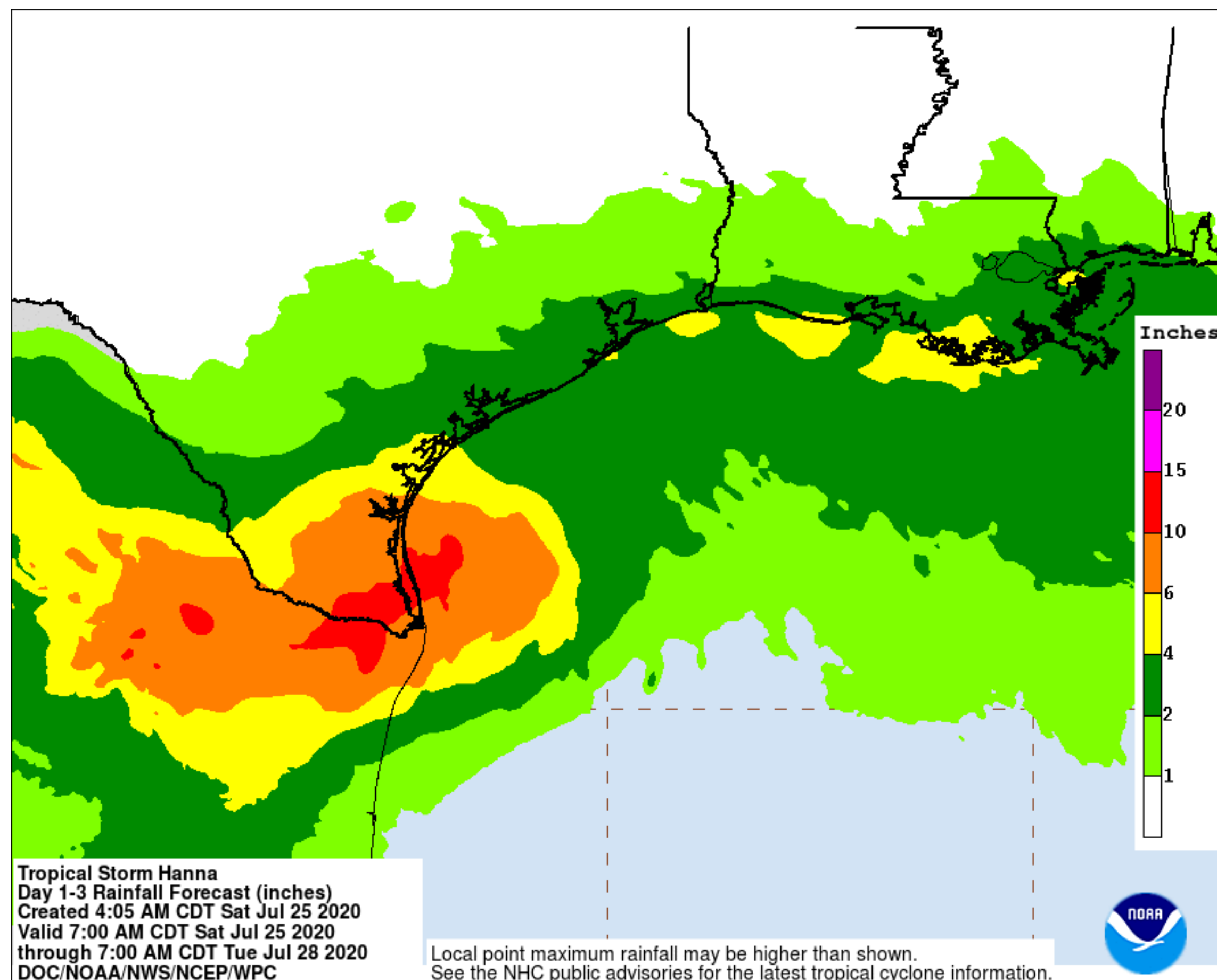


# Expected Storm Total Rainfall

Hurricane Hanna



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- Total rainfall in inches through Tuesday morning

Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point

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

Chance of flooding rain through Tuesday morning



# Key Messages

## Hurricane Hanna



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### Key Messages for Tropical Storm Hanna

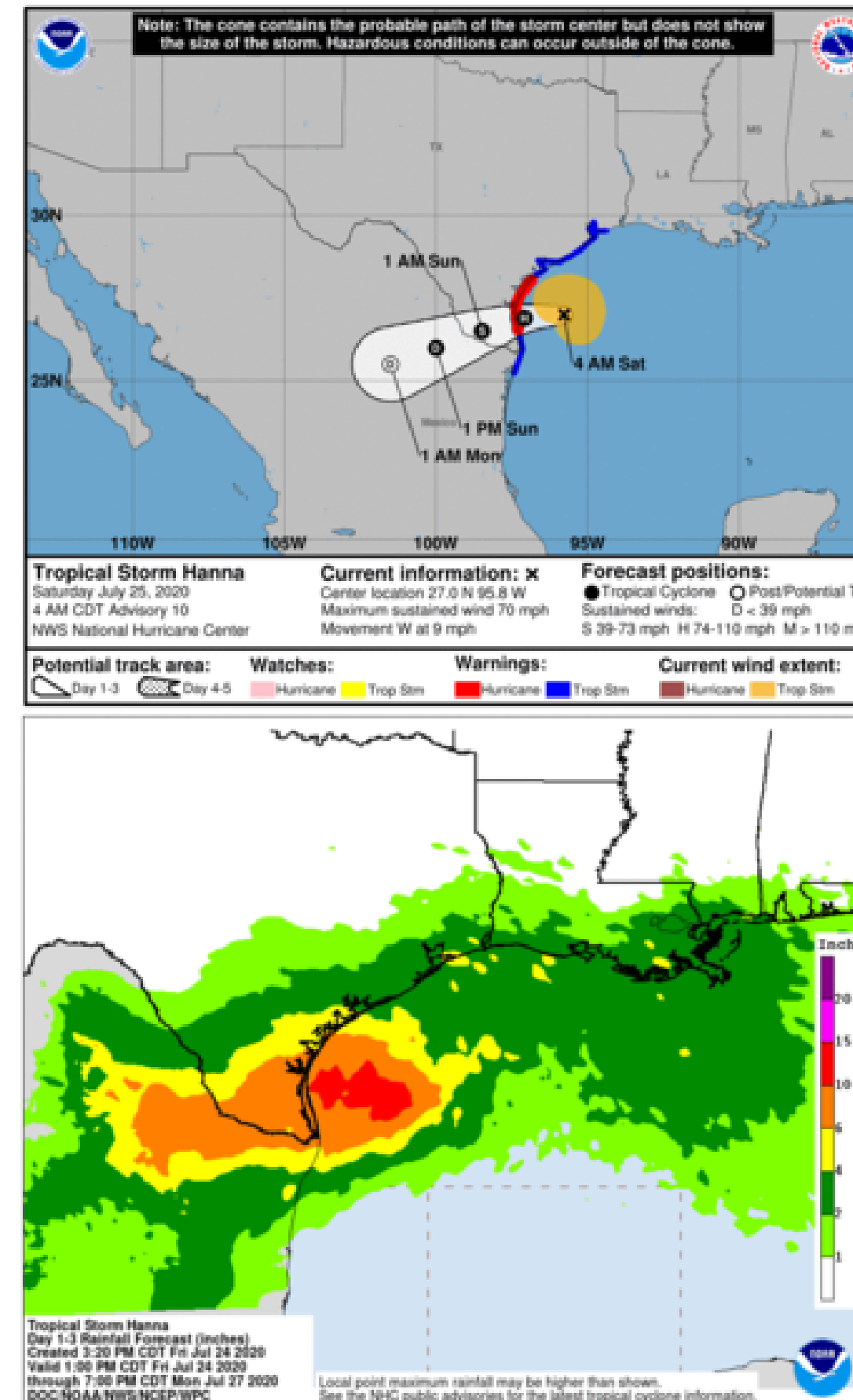
Advisory 10: 4:00 AM CDT Sat Jul 25, 2020



1. There is a danger of life-threatening storm surge along the Texas coast from Port Mansfield to Sargent, where a Storm Surge Warning is in effect. Residents in these locations should follow advice given by local emergency officials.

2. Hurricane conditions are expected along the Texas coast from Port Mansfield to Mesquite Bay, where a Hurricane Warning is in effect. Tropical storm conditions are expected to first reach the coast within the warning area this morning.

3. Hanna is expected to produce heavy rains across portions of southern Texas and northeastern Mexico. These rains could result in life-threatening flash flooding and isolated minor to moderate river flooding.



For more information go to [hurricanes.gov](https://hurricanes.gov)

- **Marine Key Messages:**
- Peak Seas off of south Texas are near 22 ft.
- Winds and seas will subside on Sunday.





# HURRICANE HANNA BRIEFING

You can contact the Tropical Analysis and Forecast Branch at  
305-229-4424

*The Next Briefing Will Be:  
Sunday / 0:00 AM CDT*

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*



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