



# TROPICAL STORM HANNA BRIEFING

4:30 PM CT

Friday, July 24, 2020

*Prepared by: Melissa Huffman, WFO Corpus Christi*

What has changed: **A Hurricane Warning is now in effect.**  
**A Storm Surge Warning is now in effect.**

*Disclaimer: The information contained within is time-sensitive. View latest information at [www.hurricanes.gov](http://www.hurricanes.gov).*

# Situation Overview

Tropical Storm Hanna



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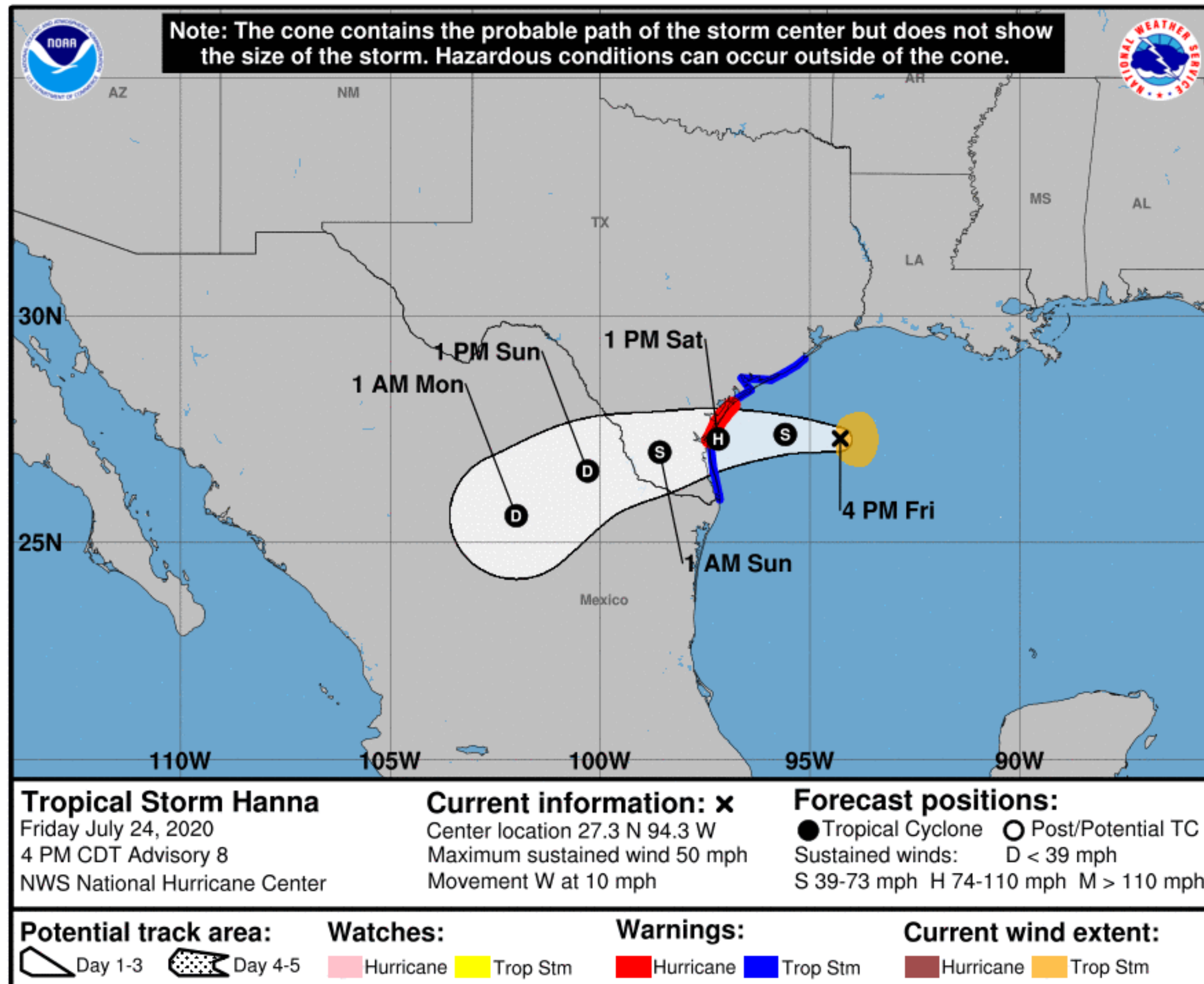
- **A Hurricane Warning is now in effect from Baffin Bay to Mesquite Bay**
- **A Tropical Storm Warning remains in effect from Mouth of the Rio Grande to San Luis Pass**
  - Hanna is forecast to become a Category I Hurricane before making landfall on the South Texas Coast on Saturday afternoon or evening. **Wind gusts over 80 MPH possible!**
  - Wind impacts could include some structural damage to homes and unanchored mobile homes, downed trees and power lines
- **A Flash Flood Watch is in effect for most of South Texas**
  - Slow storm motion after landfall could result in several days of heavy rainfall and a potential for dangerous flooding!
  - Impacts could include several evacuations or water rescues and the flooding of some structures
- **A Storm Surge Warning is in effect for Baffin Bay to Sargent**
  - Storm tides with 2 to 4 ft inundation AGL along Gulf-facing beaches. Highest surge at times of high tide.
  - If Hanna intensifies further, inundation 3 to 5 ft possible
- **Isolated tornadoes possible Saturday**

# Situation Overview

## Tropical Storm Hanna



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- A Hurricane Warning is now in effect from Baffin Bay to Mesquite Bay
- Tropical Storm Warning in effect outside of the Hurricane Warning from Mouth of Rio Grande to San Luis Pass
- Hanna now forecast to become a Category 1 hurricane before landfall on Saturday afternoon or evening
  - **Wind gusts over 80 MPH possible near center of storm**

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

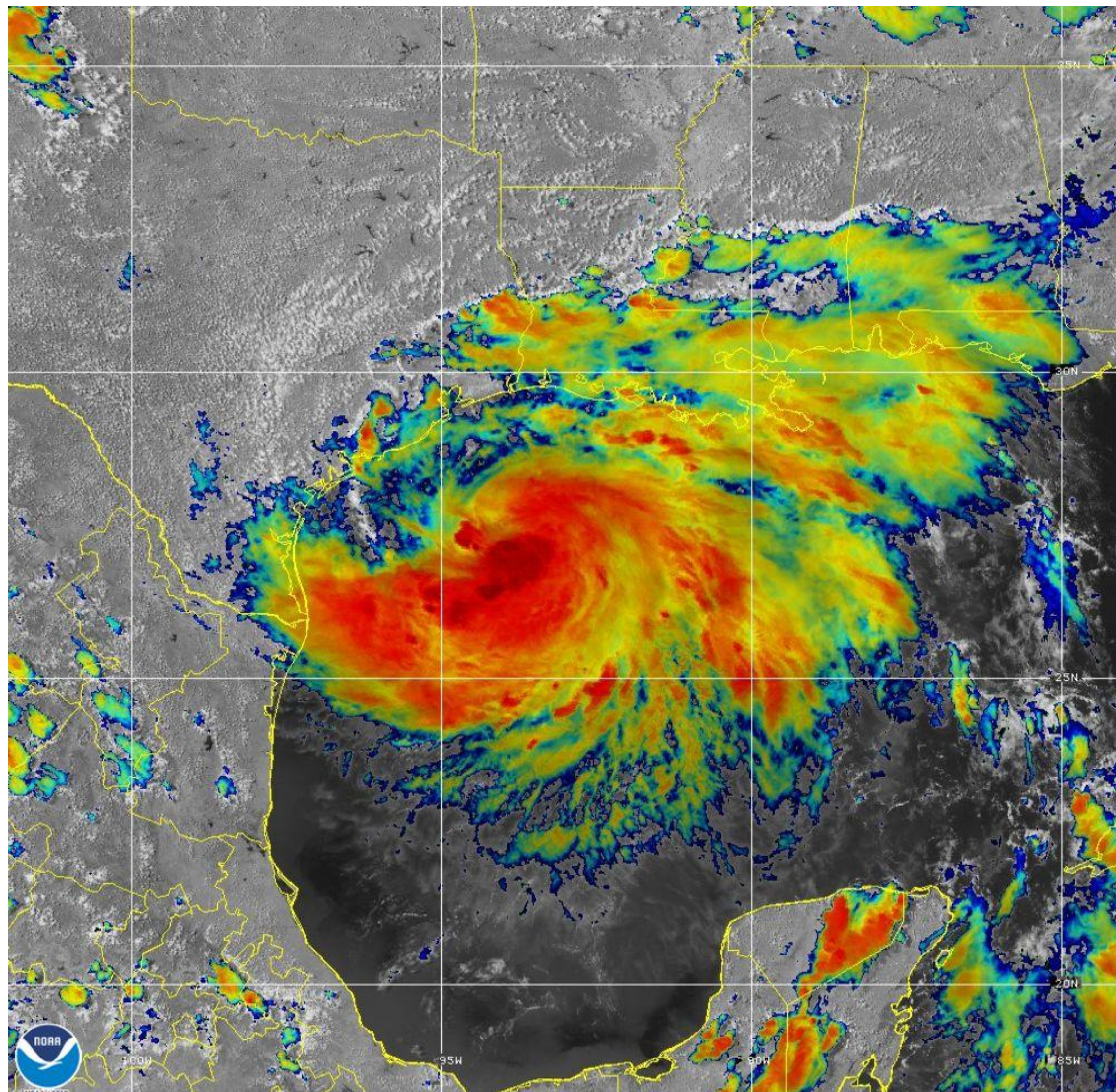


# Current Satellite View

Tropical Storm Hanna



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24 Jul 2020 20:20Z NOAA/NESDIS/STAR GOES-East Sandwich

- Satellite view shows Hanna closer to the Texas coast this afternoon
- Expect more storms to develop tonight as Hanna approaches the coast
  - Outer rain bands expected to reach coastal areas by 12 AM Saturday

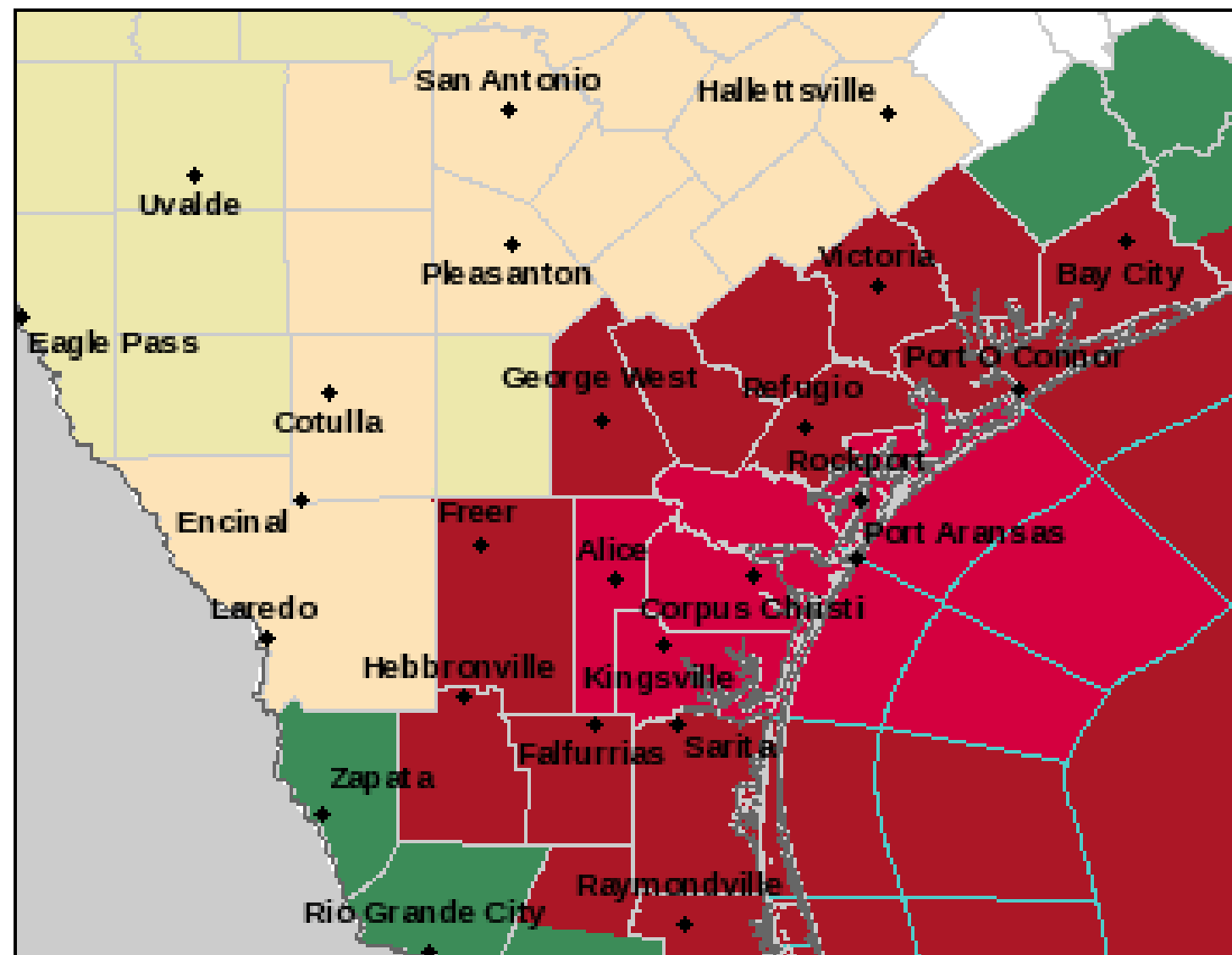


# Active Watches and Warnings

Tropical Storm Hanna

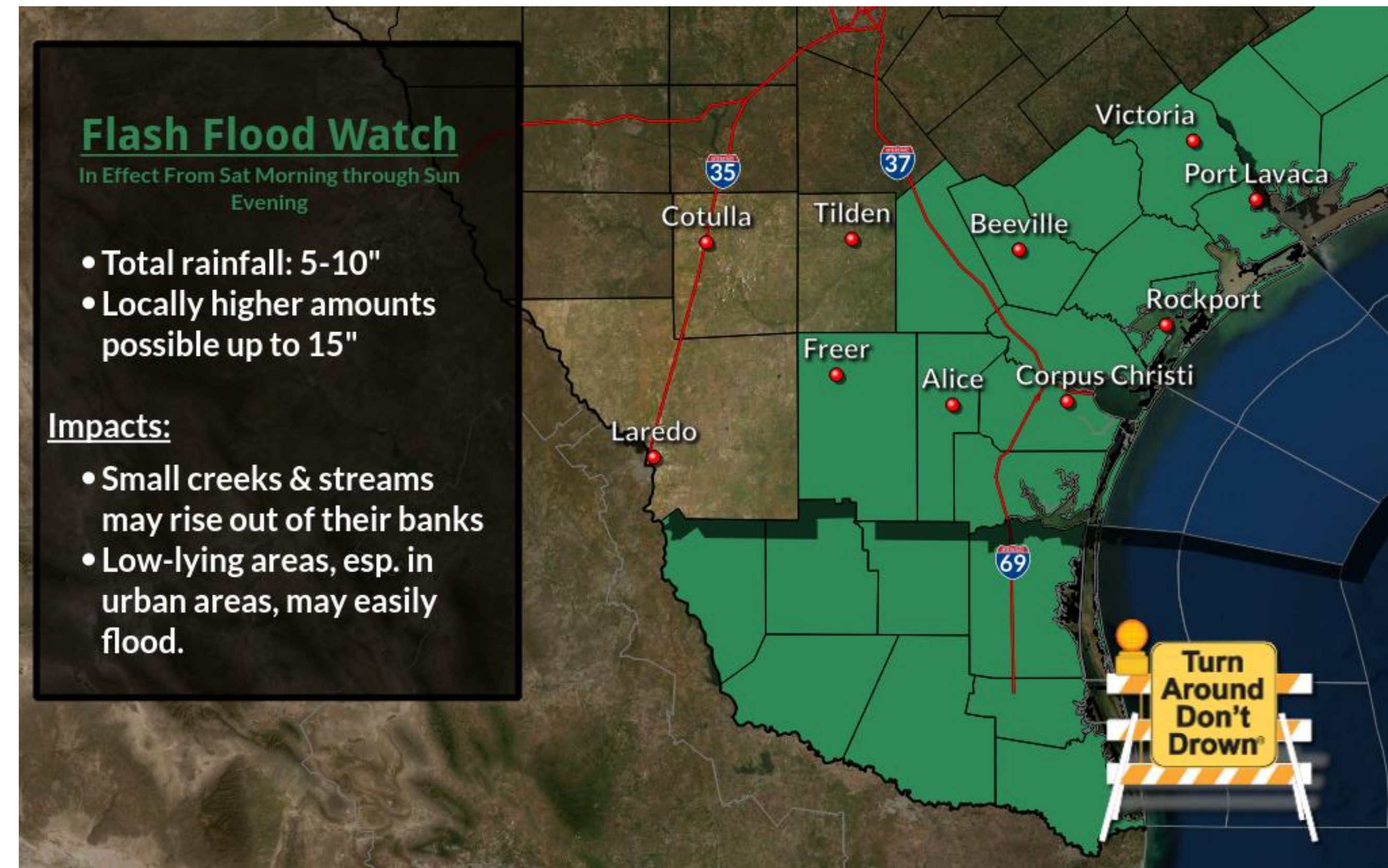


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Last Map Update: Fri, Jul. 24, 2020 at 4:08:12 pm CDT

Watches, Warnings & Advisories	
<a href="#">Storm Surge Warning</a>	
<a href="#">Hurricane Warning</a>	
<a href="#">Tropical Storm Warning</a>	
<a href="#">Coastal Flood Warning</a>	
<a href="#">Flash Flood Watch</a>	
<a href="#">Hurricane Local Statement</a>	
<a href="#">Coastal Flood Advisory</a>	
<a href="#">Rip Current Statement</a>	
<a href="#">Special Weather Statement</a>	
<a href="#">Hazardous Weather Outlook</a>	



- A Hurricane Warning is in effect for Baffin Bay to Mesquite Bay
- Tropical Storm Warning in effect from Mouth of Rio Grande to San Luis Pass
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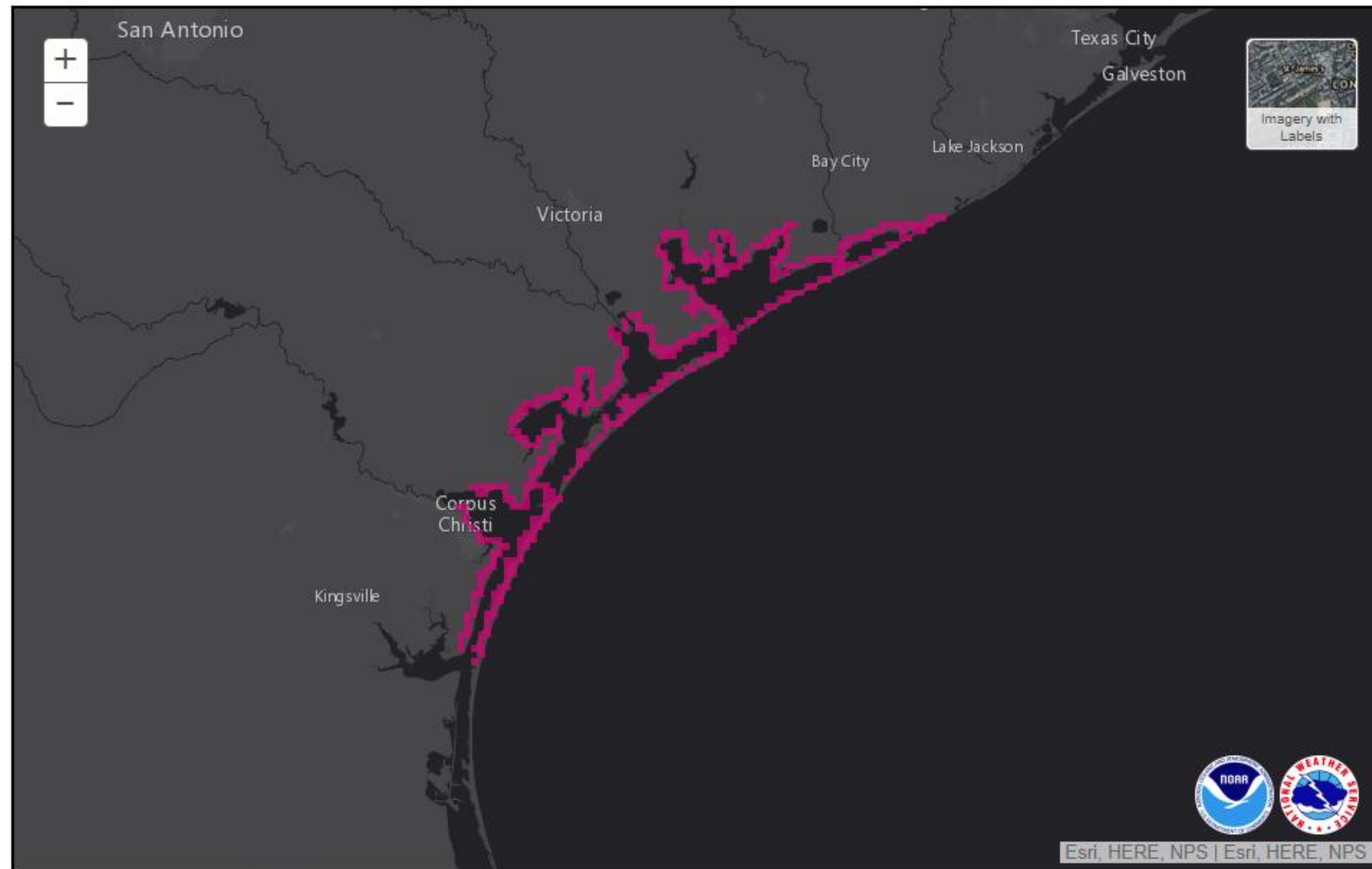


# Active Watches and Warnings

## Tropical Storm Hanna



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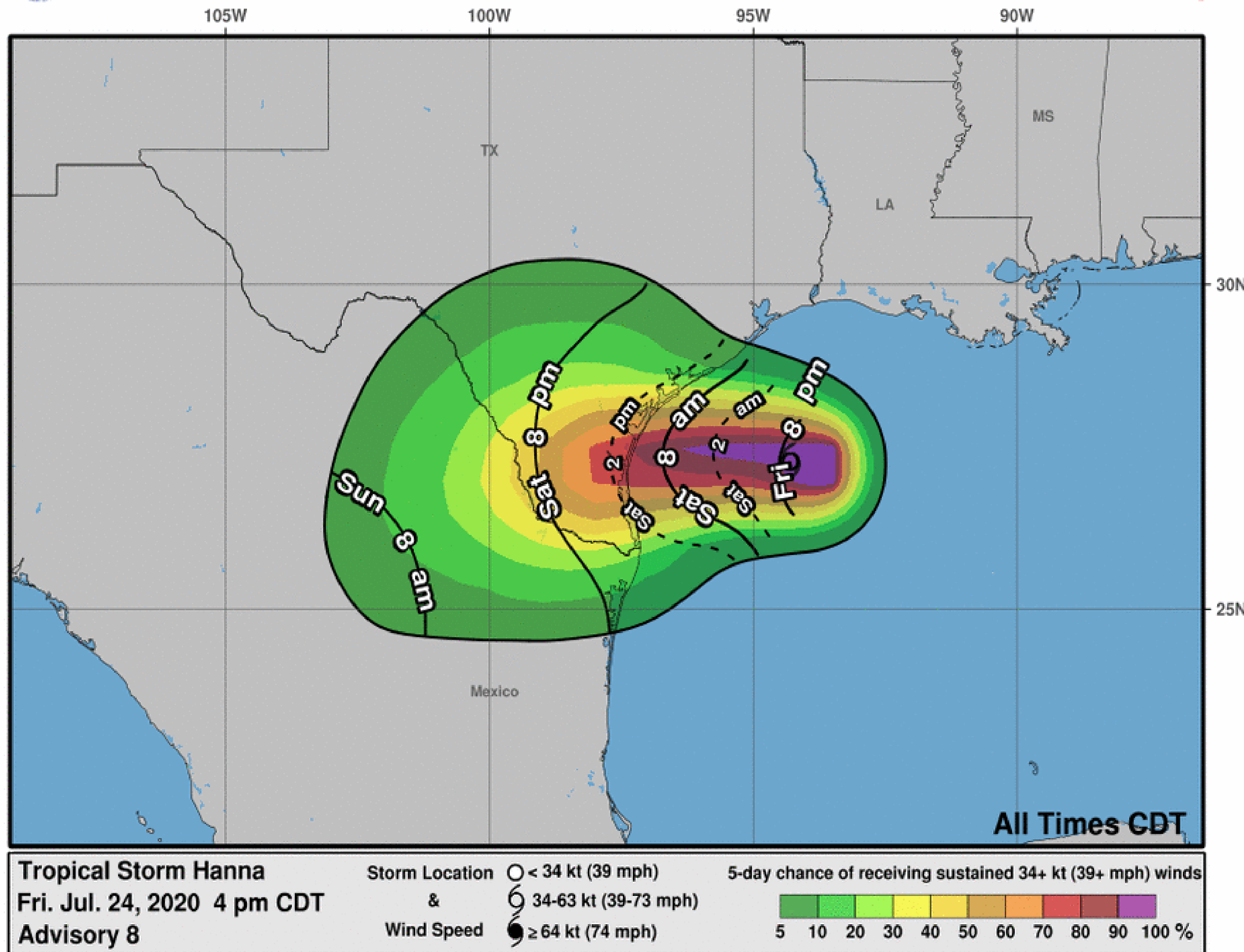
# Most Likely Time of Arrival

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## Most Likely Arrival Time of Tropical-Storm-Force Winds



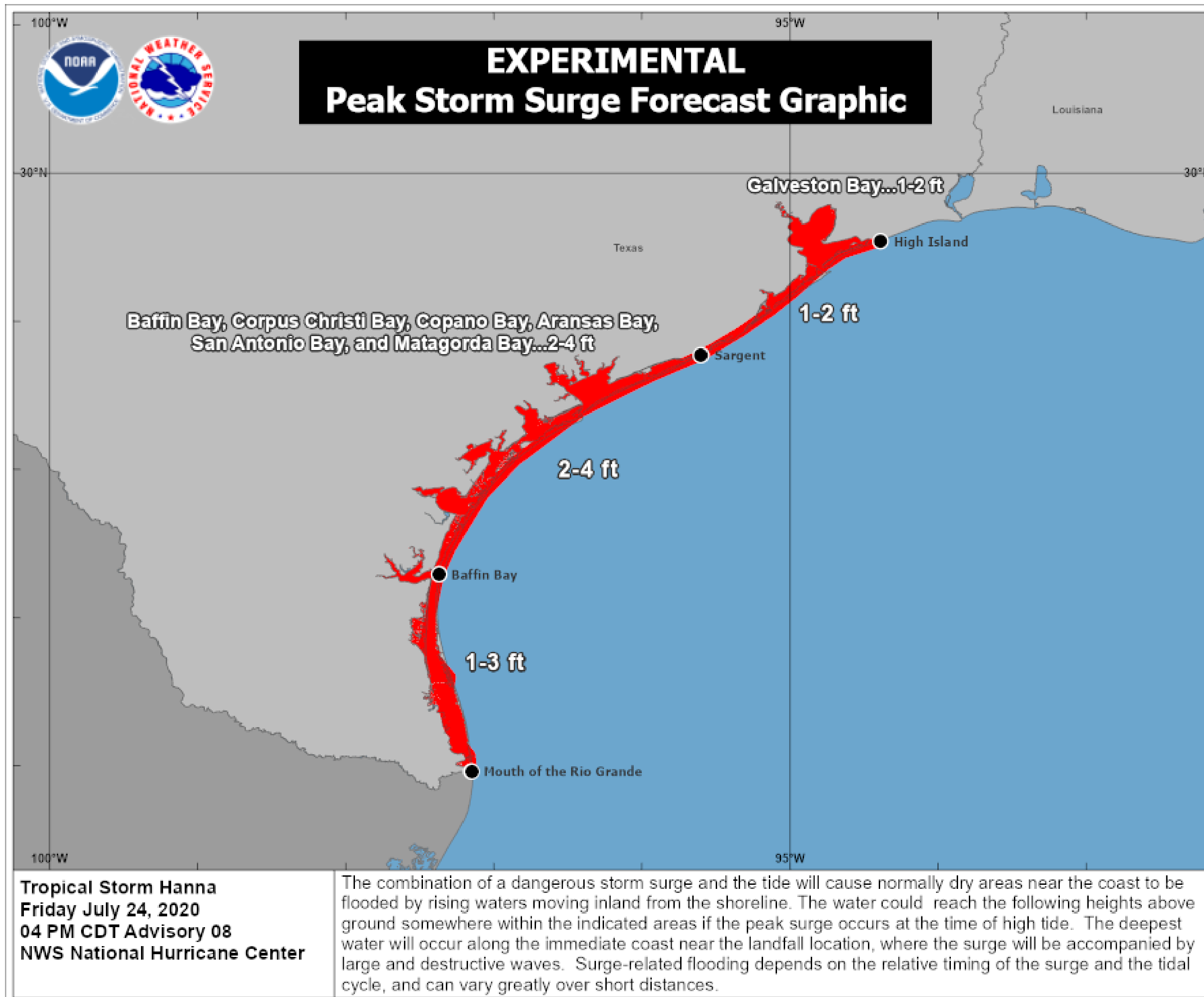
- Tropical-storm-force wind speed probabilities have **increased** since the last briefing
  - Locations with the highest probabilities for tropical-storm-force winds include:
    - Corpus Christi (70%)
    - Port Aransas (50%)
- The most likely time of arrival of Tropical Storm Force Winds for the mid Texas coast is midday Saturday.
  - However, this area could see Tropical Storm Force Winds as early as Saturday morning
  - Tropical-storm-force winds will be possible through Saturday afternoon through early Sunday morning

# Potential Storm Tide Impacts

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## Storm Surge:

- A Storm Surge Warning is in effect
- 2 to 4 feet of inundation (water above ground level, AGL) possible along beaches and bays of the Middle Texas Coast, especially along and to the right of where the center of Hanna crosses the coast.
- There is a potential for minor to moderate flooding of area beaches and beach access roads. Moderate dune erosion. Some damage to piers and marinas.
- Any intensity increase could result in increased storm surge (3 to 5 feet AGL)



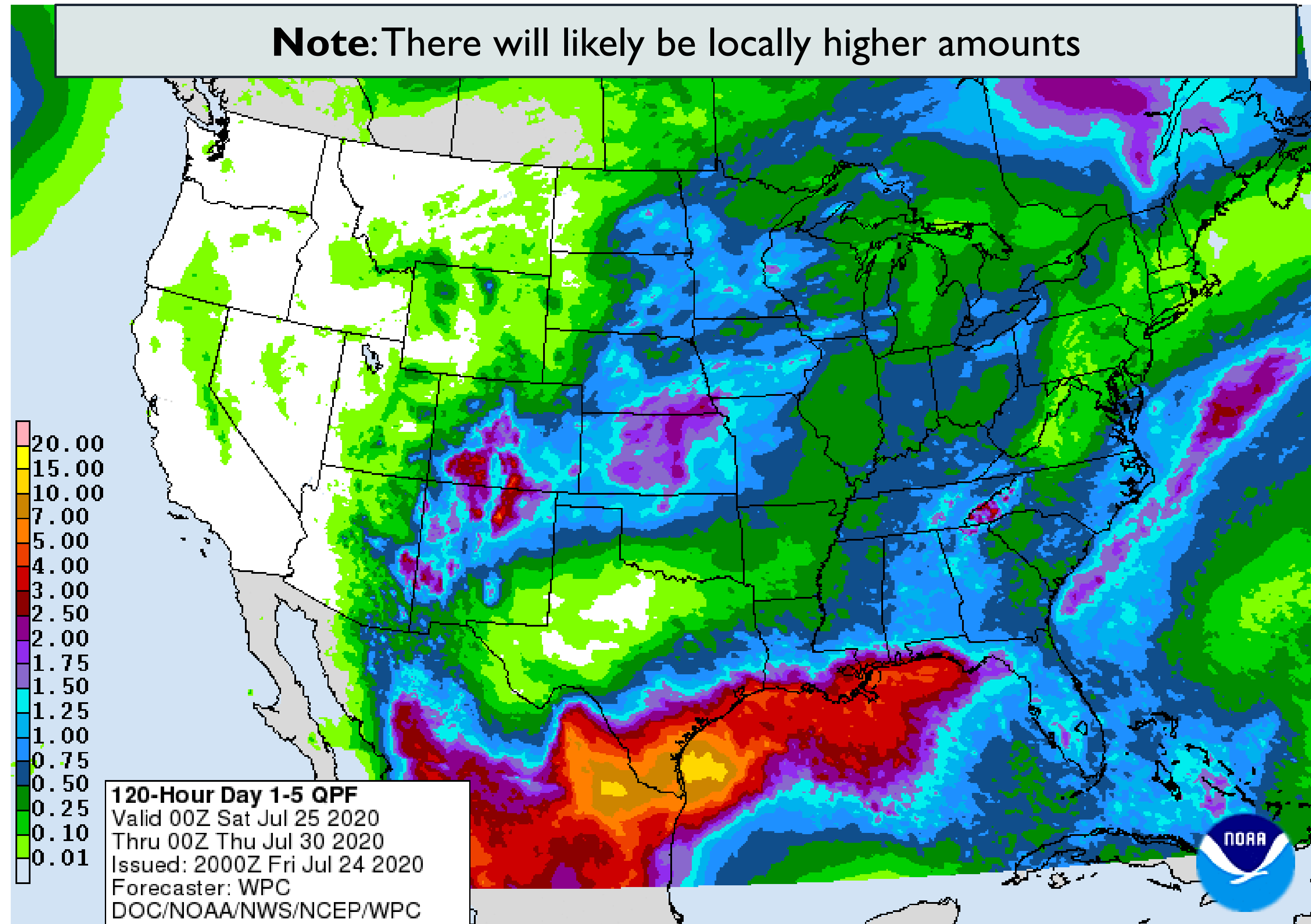
# Expected Storm Total Rainfall

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



- Storm Total rainfall forecast valid tonight through Wednesday
  - Heavy rain is expected to occur beginning tonight and continuing through Sunday
- 5 to 10" of rain possible across South Texas with isolated totals higher amounts of 15"
  - The map to the left **does not** indicate where isolated higher amounts may occur
- Hanna's slow movement will help increase rainfall amounts, which could be significant and dangerous flooding may result
- Impacts could include several evacuations and the flooding of some structures



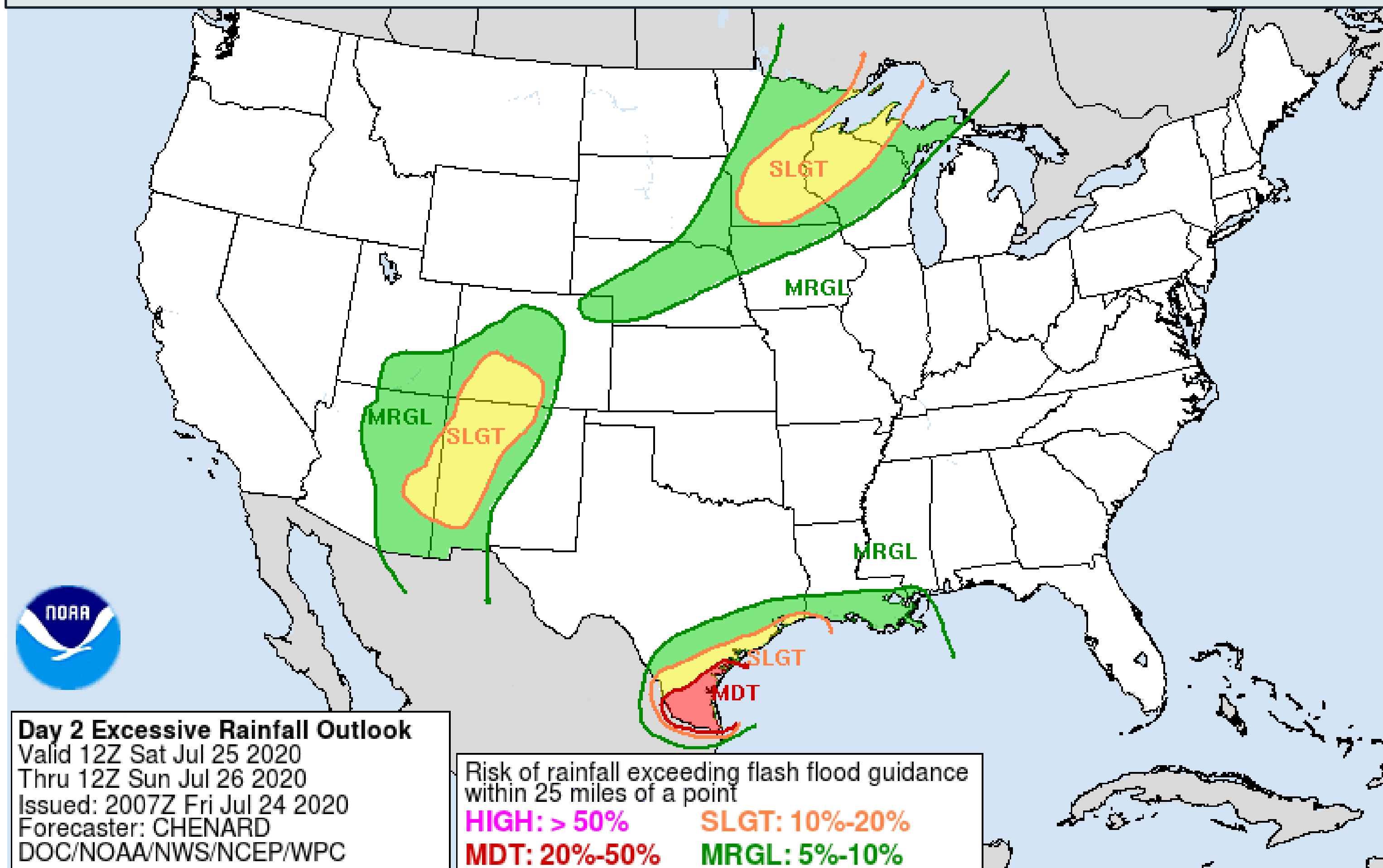
# Excessive Rainfall Outlook

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## Excessive Rainfall Outlook Valid Saturday



- The Flash Flood Threat for portions of the Coastal Bend has increased on Saturday. Flood Threat will continue across most of South Texas on Sunday.
- Location of any river flood or flash flood threats will occur will be dependent on where rain bands set up and center of storm tracks.
- **Heaviest rainfall often occurs at night!**

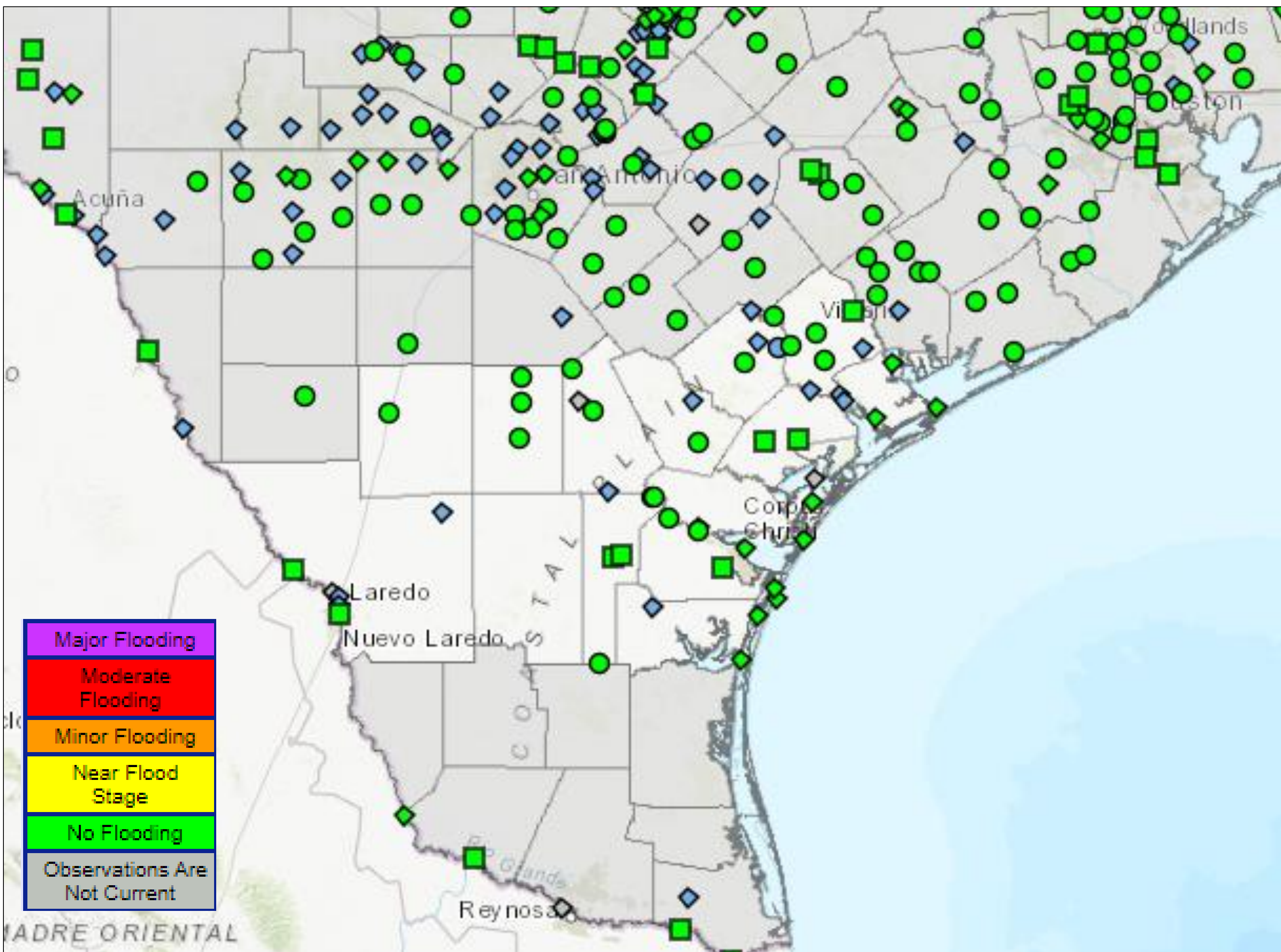


# Potential for River Flooding

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- All rivers are all currently running low due to dry conditions over the last month.
- However, predicted rainfall for this upcoming weekend could result in flooding!
  - The Rio Grande and Nueces River will be two rivers to watch



# Tropical Weather Outlook

Active in Central Atlantic

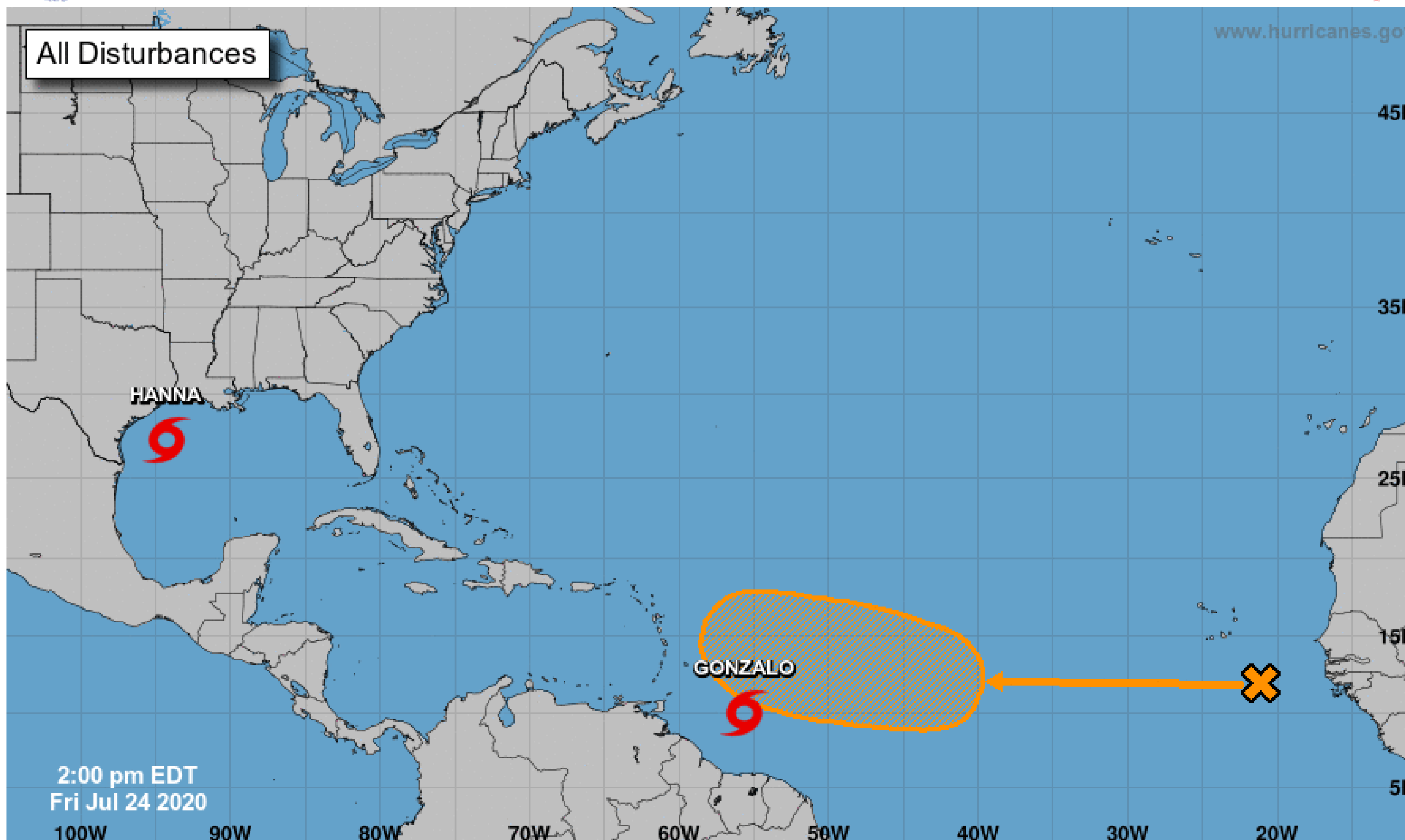


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## Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%  
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane  
 Post-Tropical Cyclone or Remnants

- Monitoring T.S. Gonzalo
- May dissipate in the central Caribbean, **HOWEVER**, it may still reform
- Still uncertain if Gonzalo will move into the Gulf of Mexico. Continue to monitor closely!
- Increasing chances for tropical cyclone development with tropical wave moving off Africa



# Main Take-Aways

## Tropical Storm Hanna



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- Isolated tornadoes possible Saturday
- TS Gonzalo still out there... tropics will continue to remain active





## *The Next Webinar: Saturday 10:30 AM CT*



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**Facebook:** NWSCorpus



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*For the latest graphics and information go to: [www.hurricanes.gov](http://www.hurricanes.gov) or [weather.gov/crp/tropical](http://weather.gov/crp/tropical)*

