

**IMPACTS FOR D8 (through next 5 days)**

**Winds – Extreme**

**Storm Surge – High**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Low**

**Waves - Extreme**

# Tropical Storm Adam BRIEFING

9:00 AM CDT

Tuesday, April 19, 2022

Prepared by:

**TAFB FORECASTER**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*

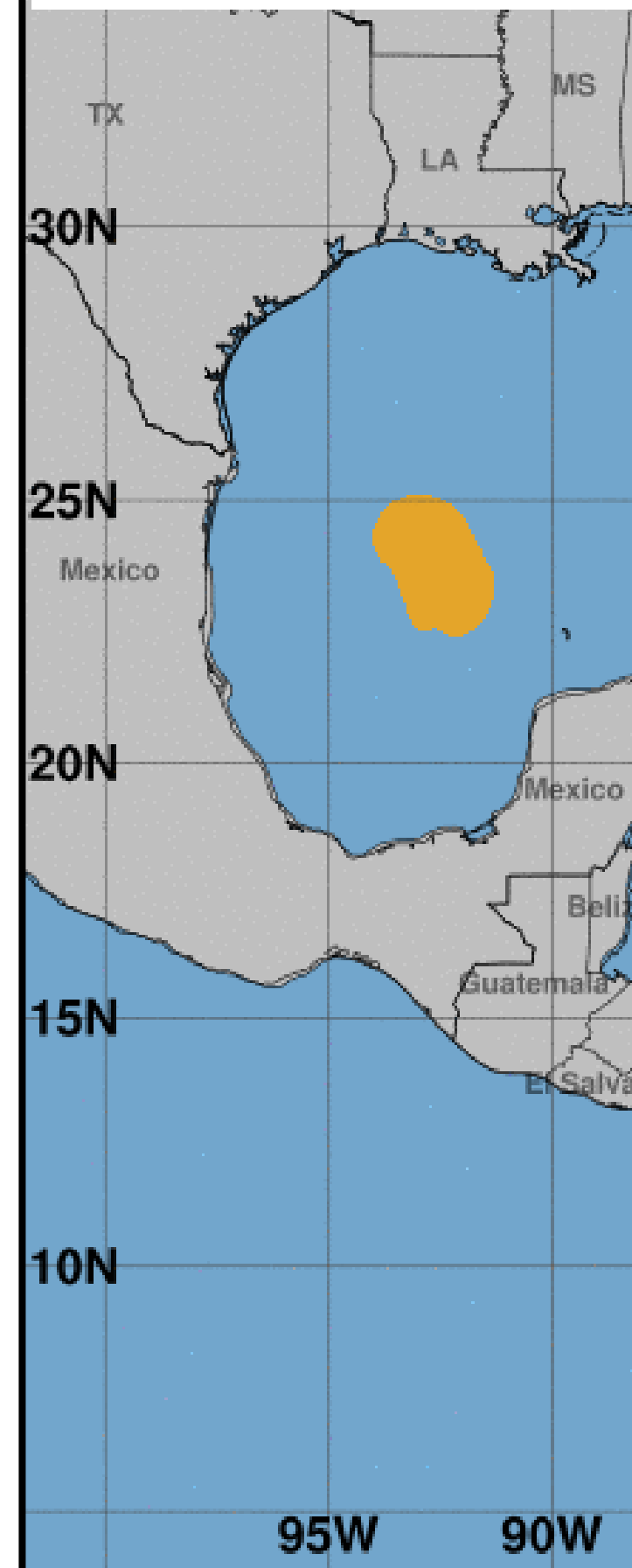


# Situation Overview

Tropical Storm Adam



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...HARVEY QUICKLY STRENGTHENING  
AND FORECAST TO BE A MAJOR  
HURRICANE WHEN IT APPROACHES THE  
MIDDLE TEXAS COAST...**

**...LIFE-THREATENING STORM SURGE AND  
FRESHWATER FLOODING EXPECTED...**

Summary of 1000 AM CDT Information

Location...24.0N 93.3W

About 315 nm SE of Corpus Christi, TX

About 315 nm SSE of Port O'Connor, Texas

Maximum Sustained Winds...55 kt

Present Movement...NNW at 10 kt

Minimum Central Pressure...982 MB

12 ft Seas... 90NE 30SE 30SW 90NW.

Peak Seas: 19 ft

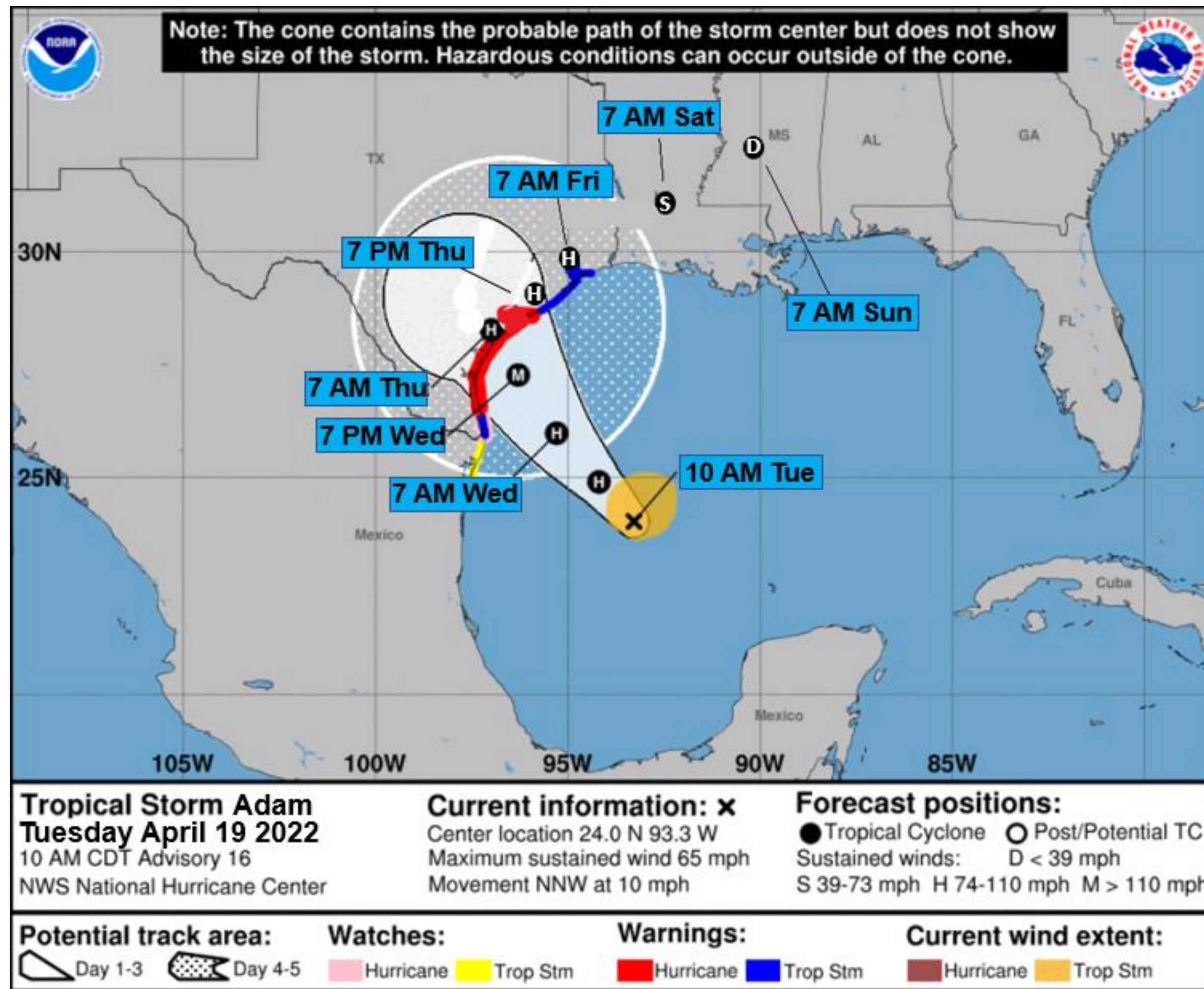


# Forecast Information

## Tropical Storm Adam



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

- **Adam is expected to strengthen into a hurricane later today as it continues moving WNW**
- **Adam has the potential to make landfall as a major hurricane sometime on Wednesday night along the South Texas coast**
- **As Adam moves inland, it will stay a hurricane as it turns ENE and moves across Southeast Texas and weaken to a tropical storm as it moves over Louisiana**
- Current center forecast positions through the next 5 days illustrated by dots
- White swath is potential track error through day 3
- Hatched swath is potential track error on days 4-5

\*\* Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.



# T.S. Wind Speed Probabilities

Tropical Storm Adam



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- Brownsville - 70%
- Corpus Christi - 100%
- Port O'Connor - 100%
- Galveston - 80%
- Port Arthur - 50%
- Lake Charles - 40%

Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.



# Hurricane Wind Speed Probabilities

Tropical Storm Adam



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NWS National Hurricane Center



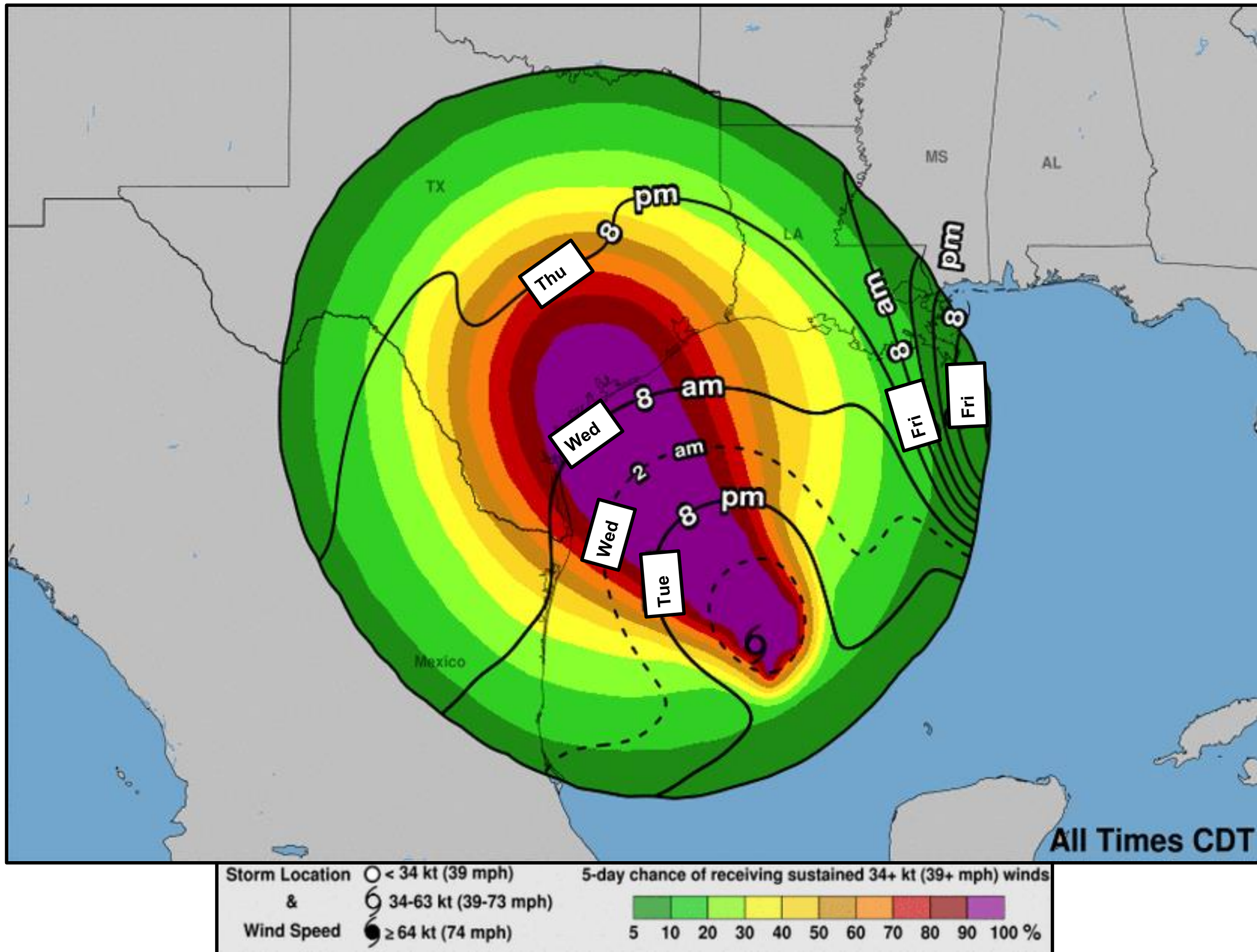
- Brownsville - 10%
- Corpus Christi - 50%
- Port O'Connor - 65%
- Galveston - 20%
- Port Arthur - 10%
- Lake Charles - 5%

Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.





## Tropical Storm Adam



- Tropical Storm force winds could begin along the South Texas coast as early as **Wednesday morning**
- 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.

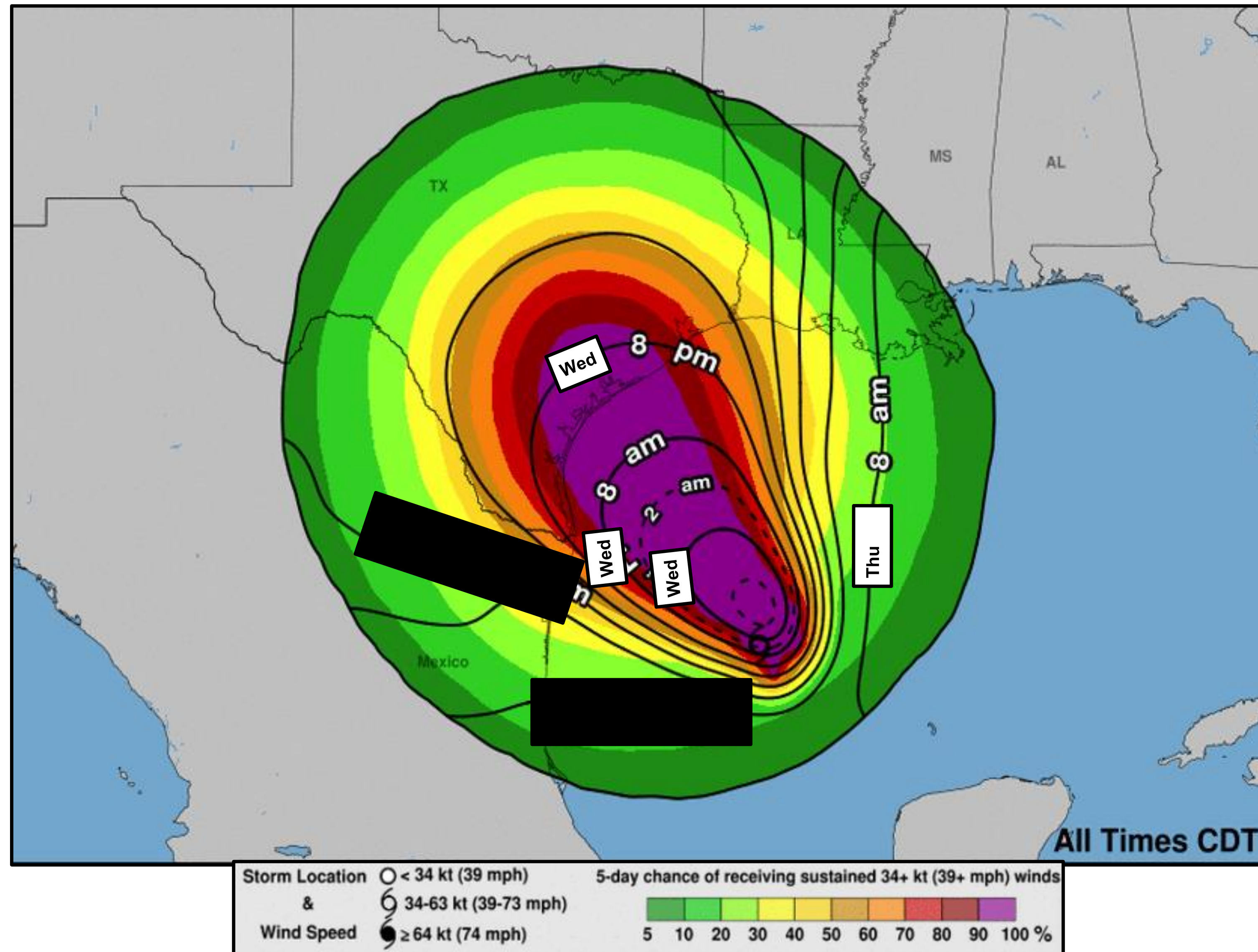


# Most Likely Time of Arrival and Tropical Storm Wind Speed Probabilities

## Tropical Storm Adam



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- Tropical Storm force winds most likely will begin along the South Texas coast by **Wednesday night**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.



# Potential Storm Surge

Tropical Storm Adam



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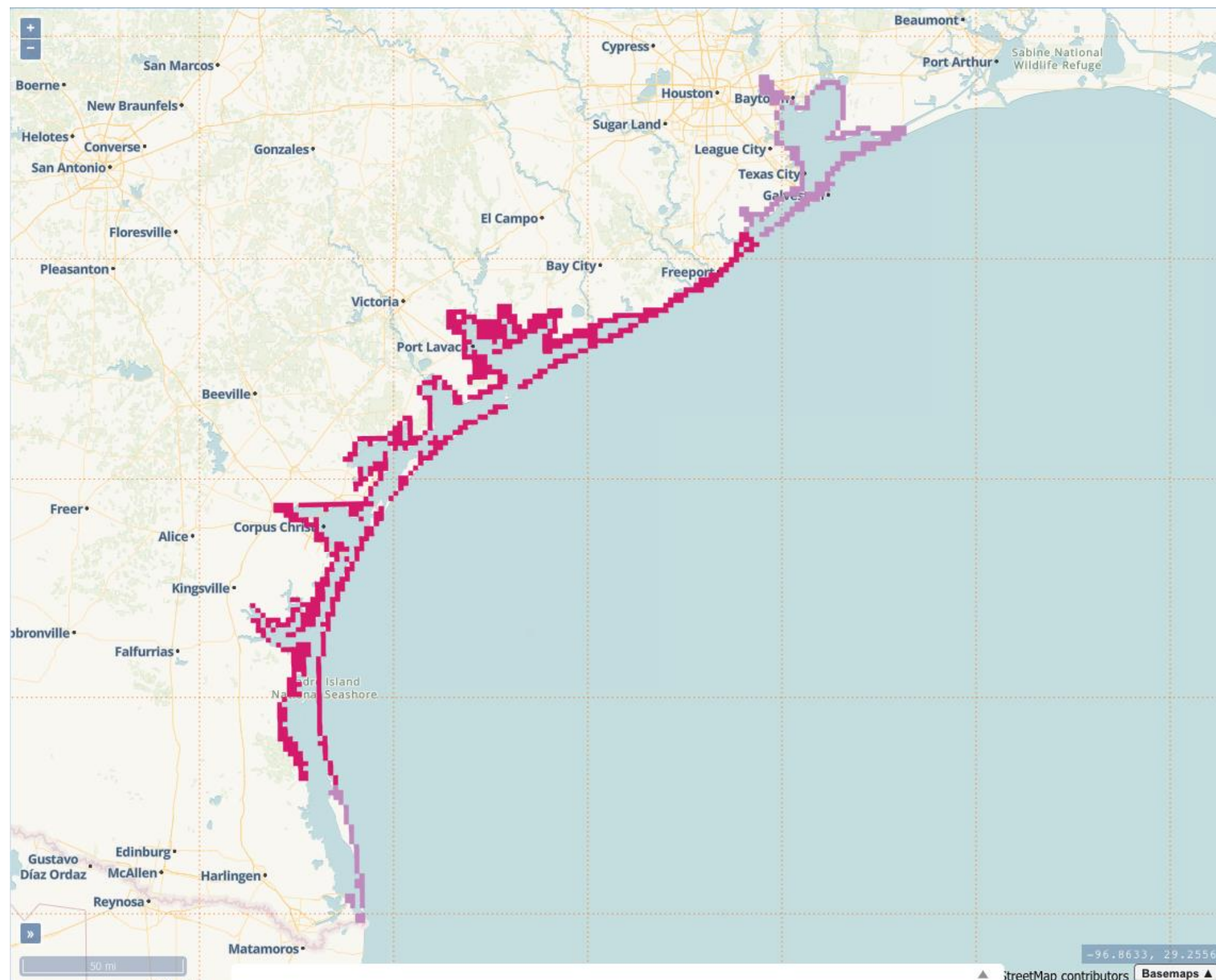
## A Storm Surge **Warning** is in effect for...

\* Port Mansfield to San Luis Pass Texas

## A Storm Surge **Watch** is in effect for...

\* South of Port Mansfield Texas to the Mouth of the Rio Grande

\* North of San Luis Pass to High Island Texas including Galveston Bay



The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide...

- N Entrance Padre Island Natl Seashore to Sargent...6 to 10 ft
- Sargent to San Luis Pass...5 to 7 ft
- Port Mansfield to N Entrance Padre Island Natl Seashore...5 to 7 ft
- San Luis Pass to High Island...2 to 4 ft
- Mouth of the Rio Grande to Port Mansfield...2 to 4 ft
- High Island to Morgan City...1 to 3 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and damaging waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

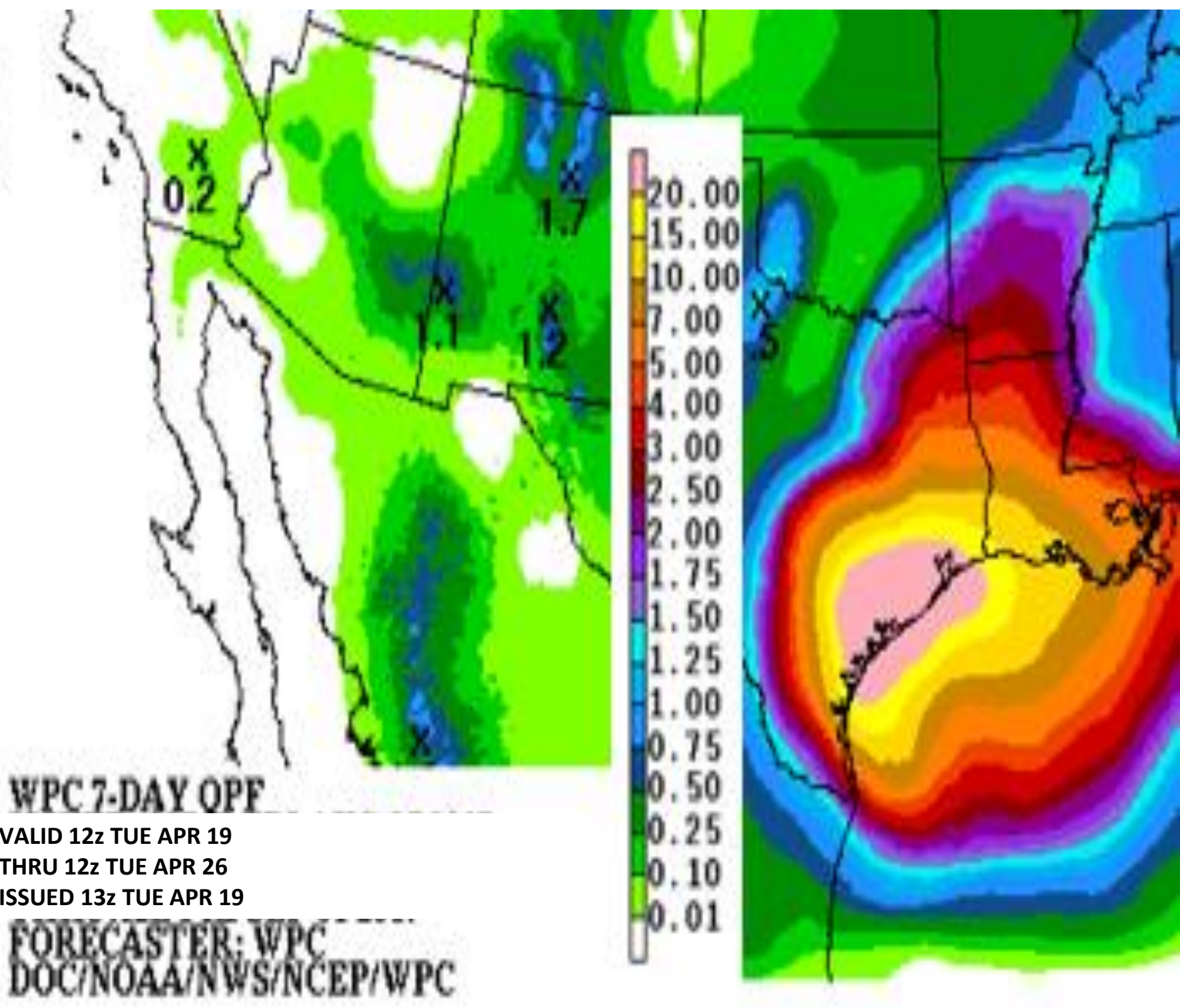
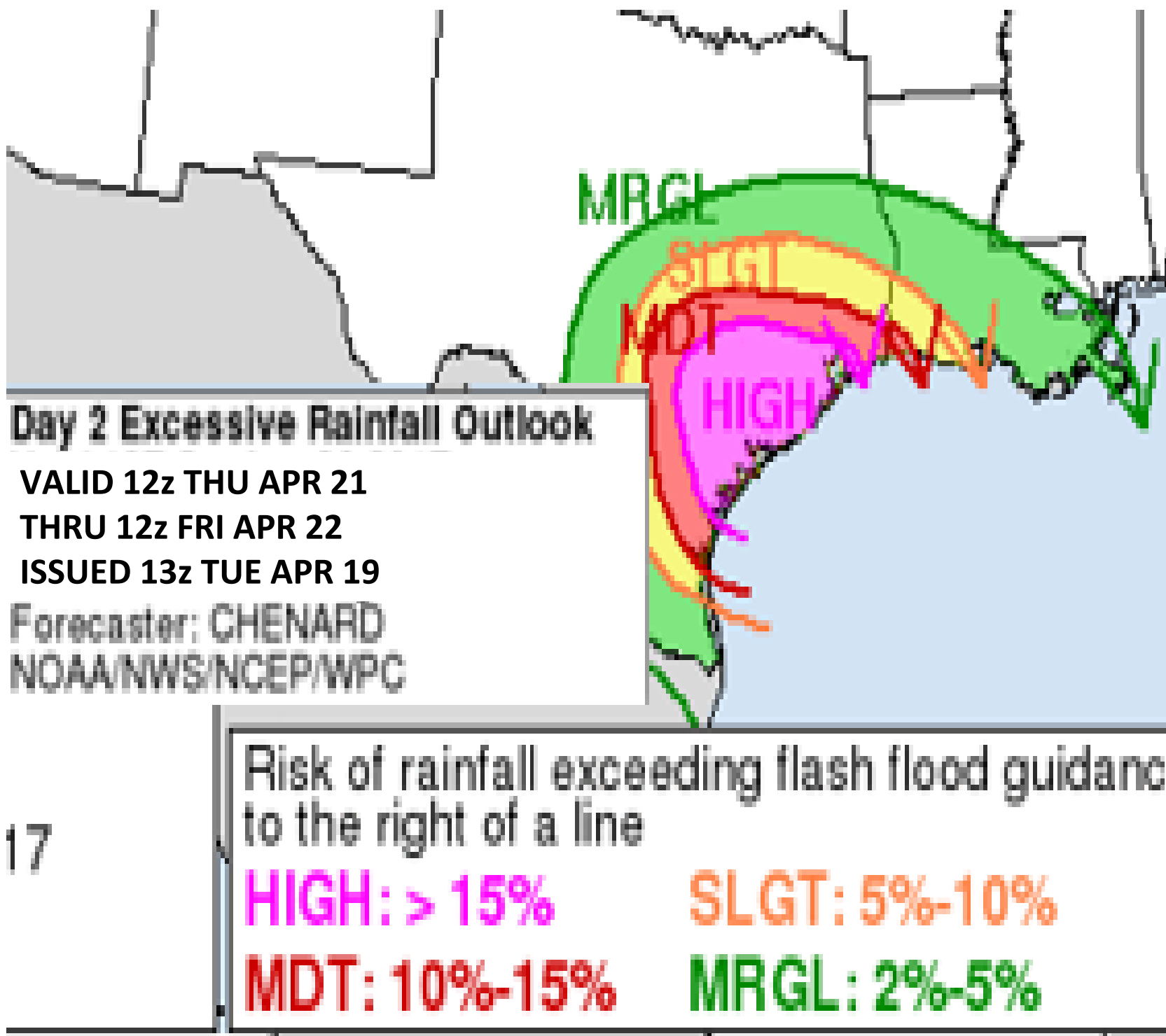


# Expected Storm Total Rainfall and Chance of Rainfall Flooding



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Tropical Storm Adam - Valid 12Z Apr 19 - 12Z Apr 26



Adam is expected to produce total rain accumulations of 12 to 20 inches and isolated maximum amounts of 30 inches over the middle and upper Texas coast through next Wednesday. During the same time period, Adam is expected to produce total rain accumulations of 5 to 12 inches in far south Texas and the Texas Hill Country to central Louisiana, with accumulations of less than 5 inches extending into other parts of Texas and the lower Mississippi Valley. Rainfall from Adam may cause life-threatening flooding.









- **Marine Key Messages:**
- Seas could build to 20-30 ft off the South Texas coast Wednesday into Thu

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**Tornadoes – Low**

**Waves - Extreme**





# BRIEFING

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

*The Next Briefing Will Be:*  
Wednesday, 9:00 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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[www.nhc.noaa.gov](http://www.nhc.noaa.gov)