



# TROPICAL STORM FRANCINE BRIEFING

7:00 AMCT

Tuesday, September 10, 2024

What has changed:

- Hurricane Warning has been issued from Morgan City to Grand Isle
- Tropical Storm Warning now in effect from Grand Isle to the mouth of the Pearl River; this includes the tidal lakes along with the Baton Rouge and New Orleans metros



# Situation Overview

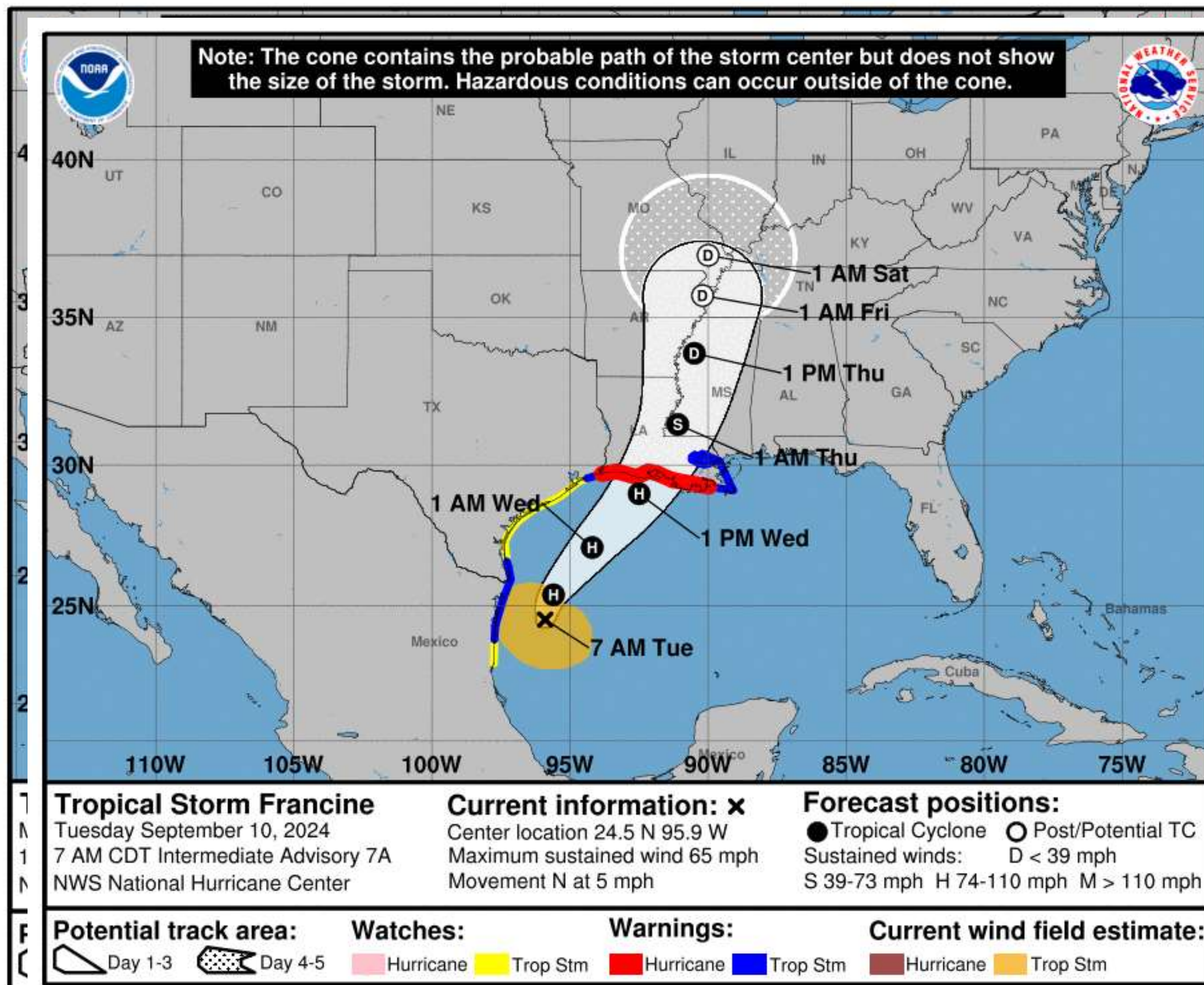
## Tropical Storm Francine

- **Hurricane Warning now in effect from Morgan City to Grand Isle and all parishes previously in the Hurricane Watch**
- **Tropical Storm Warning now replaces all parishes and counties previously in the Tropical Storm Watch**
- Francine is beginning to move more to the north and is expected to strengthen through the day. Francine will bring moderate to life-threatening coastal flooding, strong to damaging winds, heavy rain and a few tornadoes possibly as early as late tonight and through Thursday morning.
- **Small changes in storm track could result in large changes to expected impacts to specific areas.**



# Situation Overview

## Tropical Storm Francine



- Tropical Storm Francine is beginning to move just east of due north but did not strengthen overnight
- It is forecast to turn more to the northeast through today
- Francine is still forecast to strengthen to a category 2 hurricane before landfall along the Louisiana coast

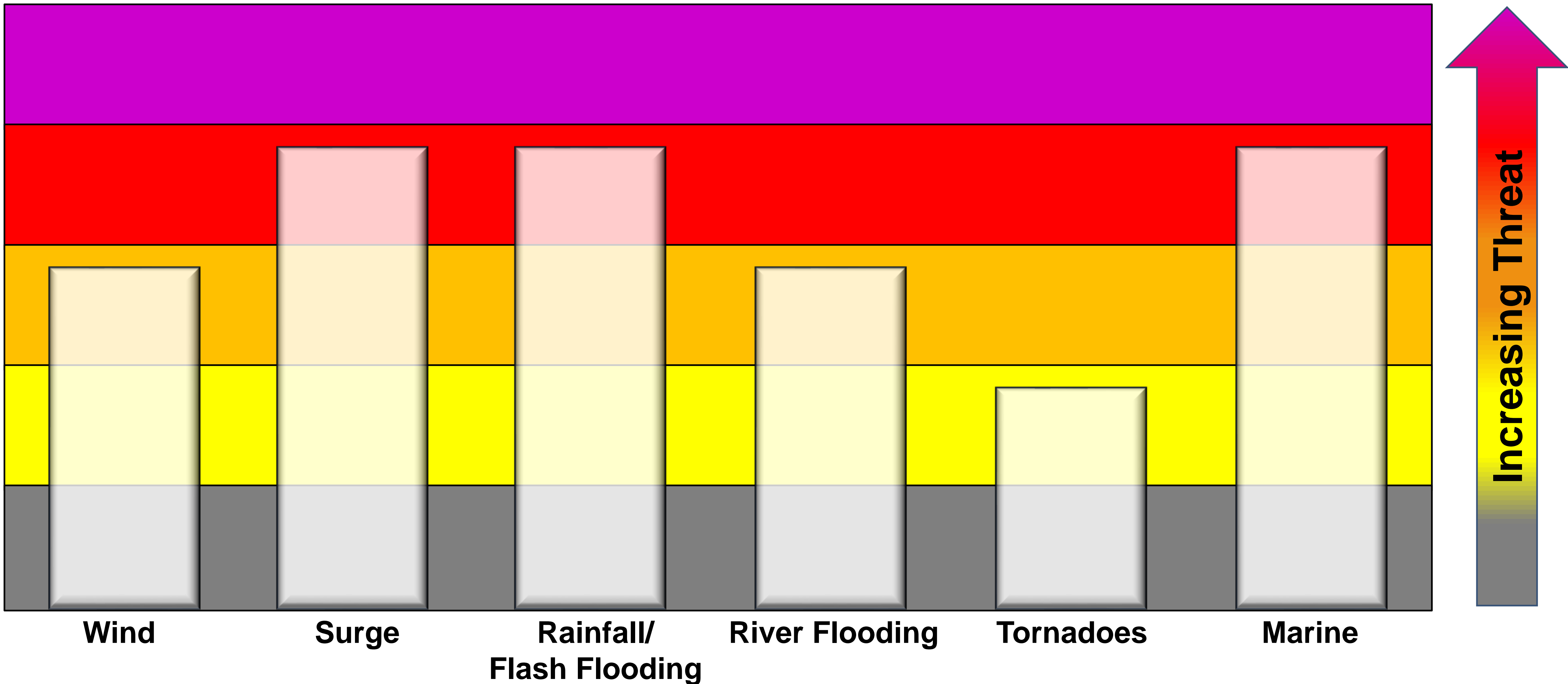
**NOTE:** Do not focus on the exact track.  
 Impacts can occur well outside the area enclosed by the cone.



# Threat Levels

Tropical Storm Francine

For information on specific hazards in this area, please go to <https://www.weather.gov/srh/tropical?office=lix>





# Storm Surge Watch

Tropical Storm Francine



## Tropical Storm Francine

Advisory 7 — Issued: 4:00 AM CDT Tue Sep 10



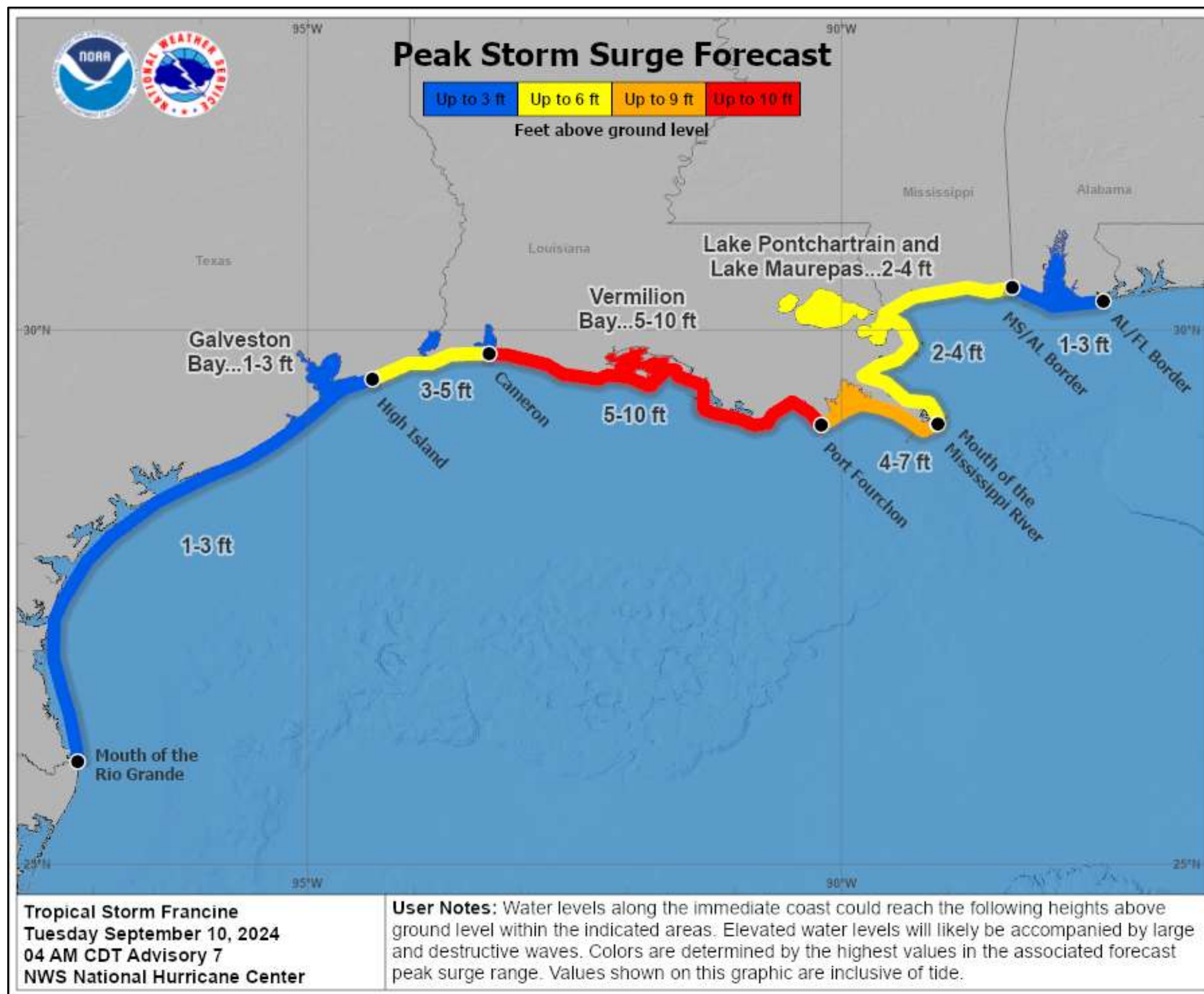
Storm Surge Warning  
Storm Surge Watch

- There were no changes to the Storm Surge Watch and Warning yet but the warning will likely be extended later today.
- Warning: Danger of life-threatening storm surge inundation within 36 hours
- Watch: Possibility of life-threatening storm surge inundation within the next 48 hours.



# Peak Storm Surge Forecast

Tropical Storm Francine

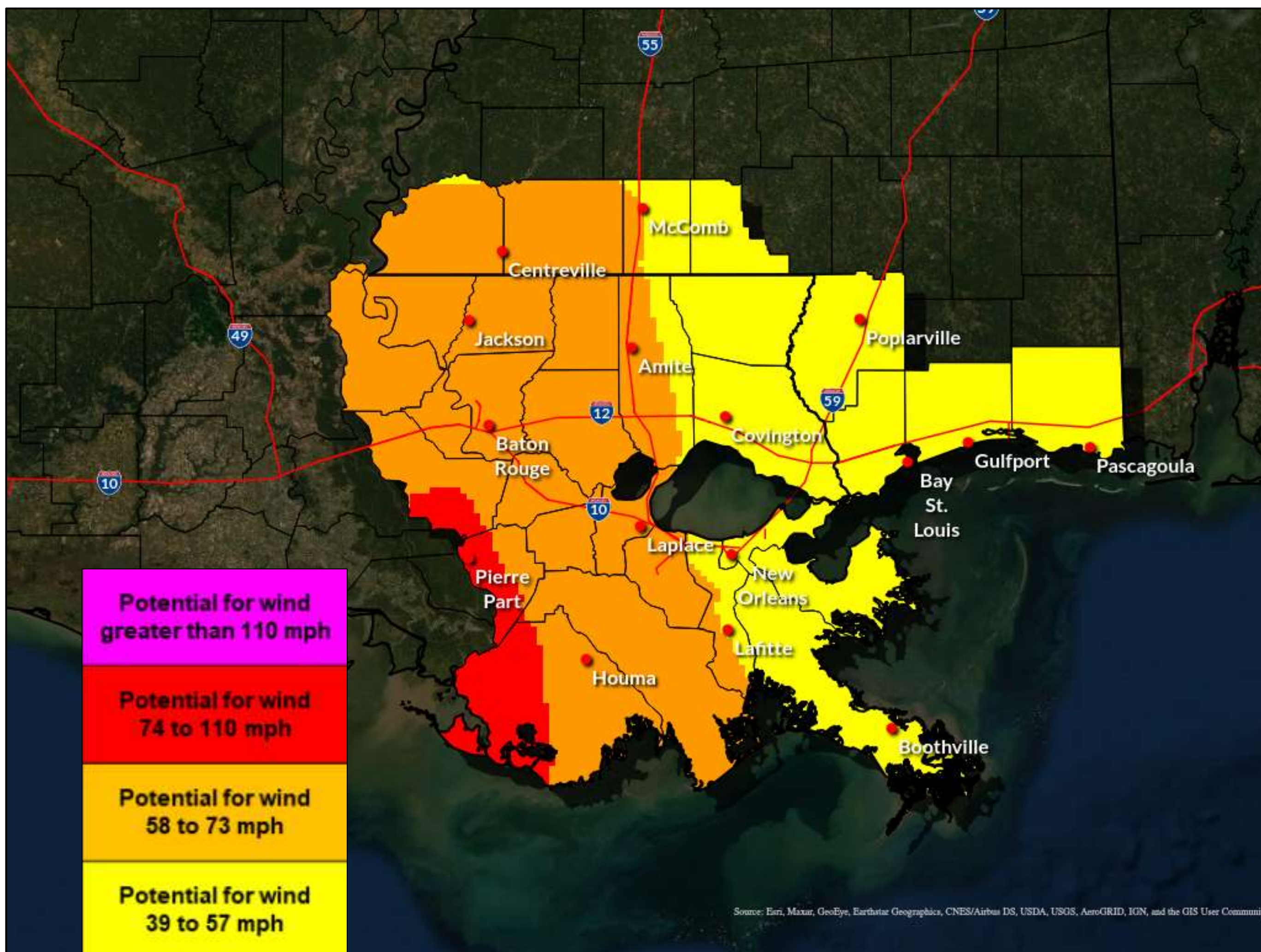


- The storm surge inundation could reach the following heights above ground level along the immediate coastal areas. This does NOT represent any impacts away from the immediate coast
- For potential water depths away from the coast, please reference the storm surge inundation map on NHC's website (it is delayed by about one hour from the forecast updates)
- Locations of greatest risk:
  - 5-10 ft: Atchafalaya River to Port Fourchon
  - 4-7 ft: Port Fourchon to the MS River
  - 2-4 ft: MS River to MS/AL border as well as Lakes Borgne, Pontchartrain and Maurepas



# Wind Threat / Potential Impact

Tropical Storm Francine



- Areas generally along and west of line from McComb to Kenner to Grand Isle should prepare for damaging winds of 58 to 73 mph
- Any sustained hurricane winds should be limited to coastal areas just to the east of where Francine makes landfall and then north along the Atchafalaya and towards the Baton Rouge metro.
- Possible impacts, especially W of I-55, include:
  - Damage to trees, mobile homes and some roofs
  - Power outages

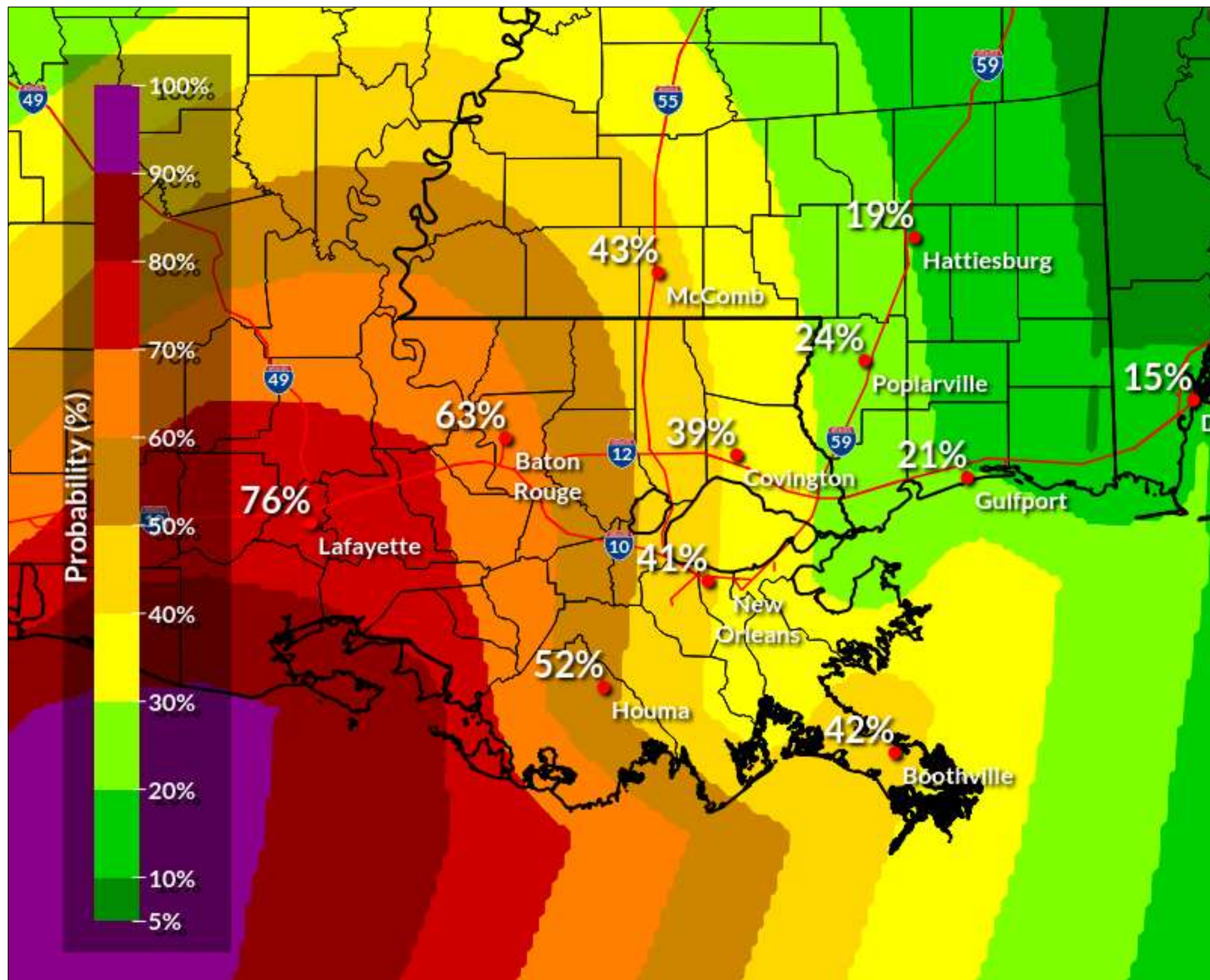


# Tropical Storm Wind Speed Probabilities

Tropical Storm Francine

## NO CHANGES TO THIS IN THE INTERMEDIATE ADVISORIES

- The probability of sustained TS winds has increased across most of the area again since the last advisory. There is at least a 50% chance of sustained tropical storm force winds at all points west of a line from near McComb to near Kenner to near Grand Isle.
- The highest probabilities are still generally at points nearest the Atchafalaya River

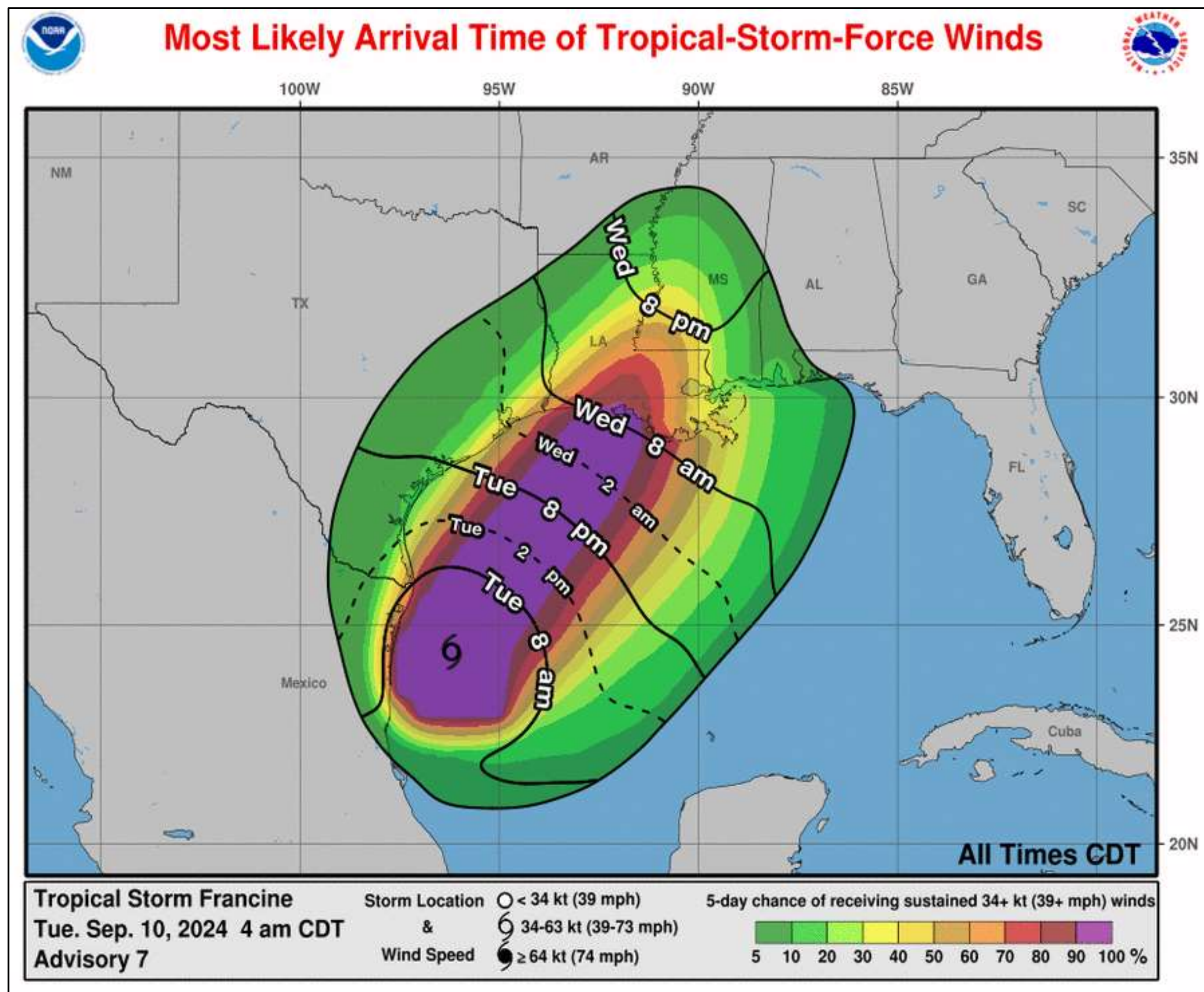






# Most Likely Time of Arrival

Tropical Storm Francine



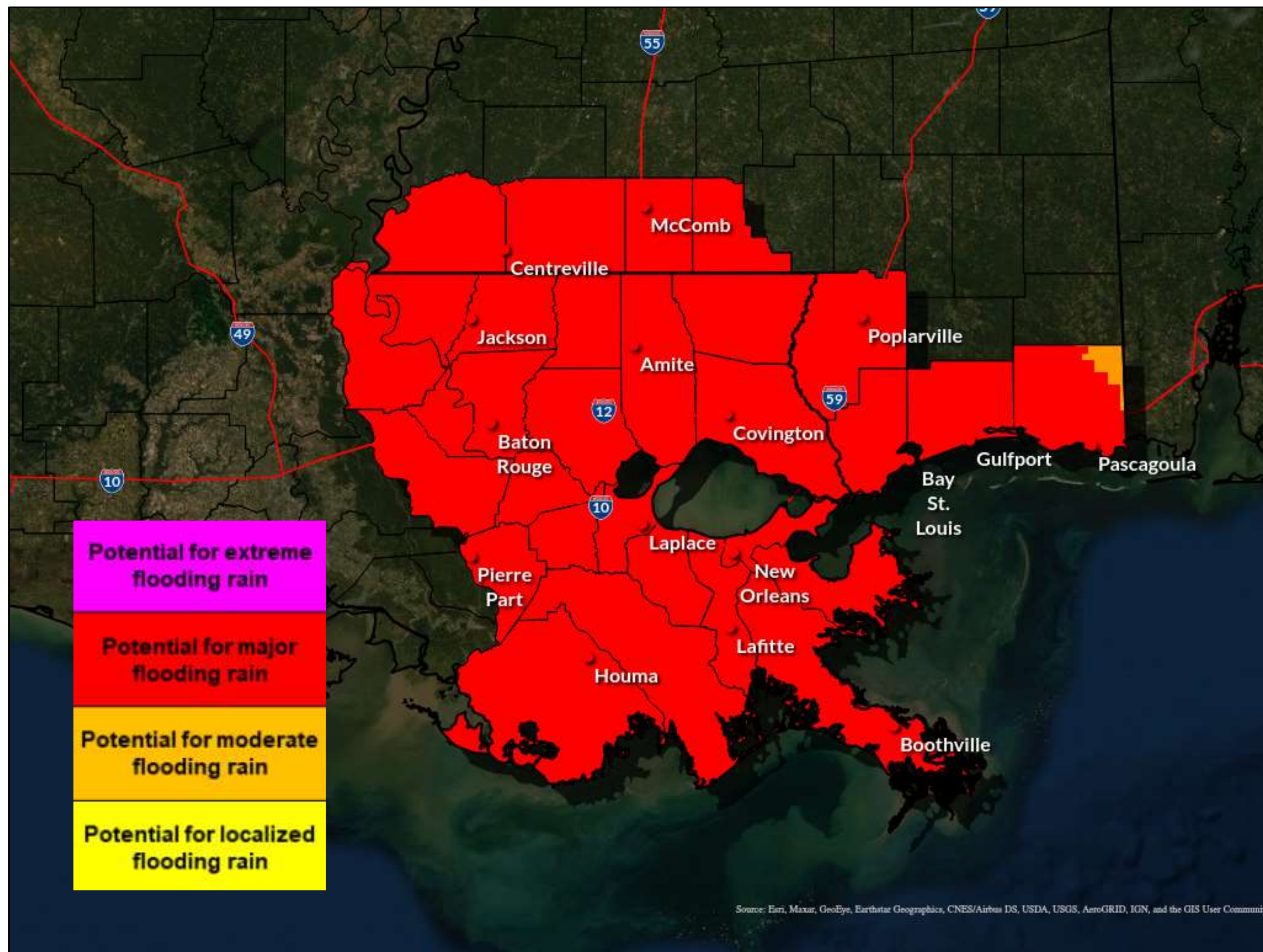
## NO CHANGES TO THIS IN THE INTERMEDIATE ADVISORIES

- The most likely time of arrival of Tropical Storm Force Winds still look to be Wednesday morning
- However, if the storm speeds up, winds could arrive as early as overnight Tuesday night



# Inland Flooding Impacts

Tropical Storm Francine



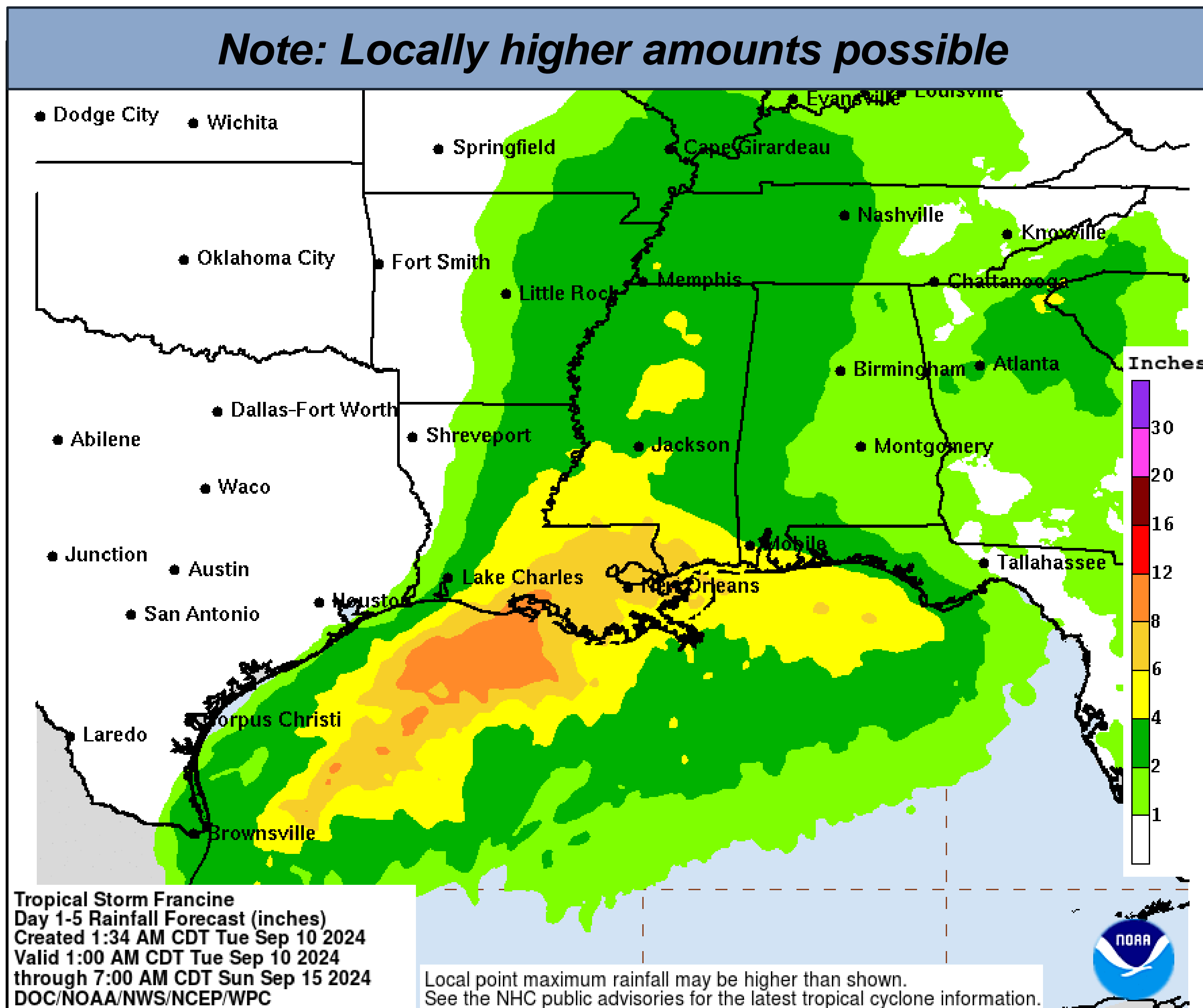
- A flood watch has been issued for the entire area from 7am Tuesday through 7am Thursday, with the heaviest rain expected Wednesday and Wednesday night
- High rainfall rates and saturated soils could quickly result in flash flooding, especially in urban and poor drainage areas. Rises on area rivers are likely as the rain drains into them.
- Main impacts include:
  - Road closures due to flooding
  - Water evacuations may be necessary



# Storm Total Rainfall Forecast

Tropical Storm Francine

**Note: Locally higher amounts possible**

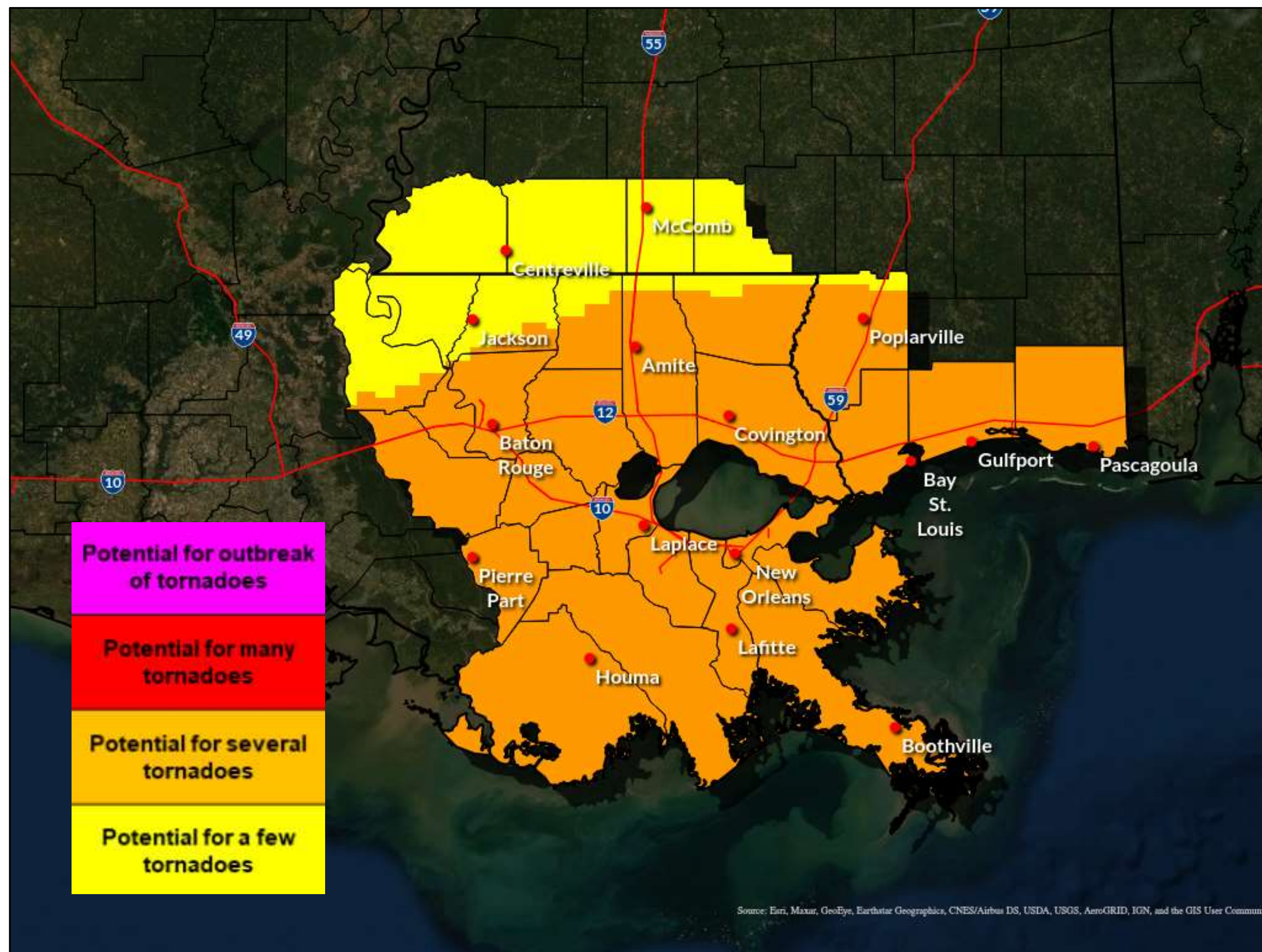


- The rainfall forecast remains fairly similar to the previous advisory
- **Exact totals will depend on whether any banding features set up across the local area and high rainfall rates could still result in significantly higher local amounts**
- Locally, most rain will occur Wednesday and Wednesday night



# Potential Tornado Impacts

Tropical Storm Francine



- A few tornadoes are expected in the outer-bands of Francine as it moves north to north-northeast across Louisiana and close to the LA/MS border



# Key Take-Aways

## Tropical Storm Francine

We have increasing confidence that this storm will bring impacts to southeastern Louisiana and southern Mississippi and that the primary concerns will be hurricane-force winds, heavy rain and life-threatening storm surge.



Sustained hurricane force winds if they occur will be limited to the immediate coast and north-northwest along the Atchafalaya Basin. However, strong tropical storm winds are expected across much of southeast Louisiana. Expect scattered to possibly widespread damage to trees, powerlines & some structures, with more concentrated damage where Francine's center tracks.



Life-threatening coastal flooding is expected during high tide Wednesday and Thursday. Some areas could be cut off and some local levees could be overtopped.



Major impacts from flooding rain will be possible, mainly where any rain bands result in prolonged periods of heavy rain. The heaviest rain is expected Wednesday and Wednesday night. Ponding of water in low lying areas, flash flooding, and rises on area rivers will be possible.




A few tornadoes are expected with the outer-bands of Francine, mainly late Tuesday night through Wednesday night.





Dangerous and life-threatening marine conditions likely across the coastal waters, especially west of the Mississippi River





# Contact Info:


 **Web:** <http://weather.gov/neworleans>

 **Phone:** (985) 649-0429 x4

 **E-mail:** [sr-lix.forecasters@noaa.gov](mailto:sr-lix.forecasters@noaa.gov)

 **Facebook:** NWSNewOrleans

 **Twitter:** NWSNewOrleans

 **YouTube:** NWSNewOrleans

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