

IMPACTS FOR D8 (through next 5 days)

Winds – High

Storm Surge – High

Rainfall/Flash Flooding – High

Tornadoes – Low

Waves - High

Tropical Storm Barry BRIEFING

9:00 AM CDT

Tuesday, April 19, 2022

Prepared by:

TAFB FORECASTER

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

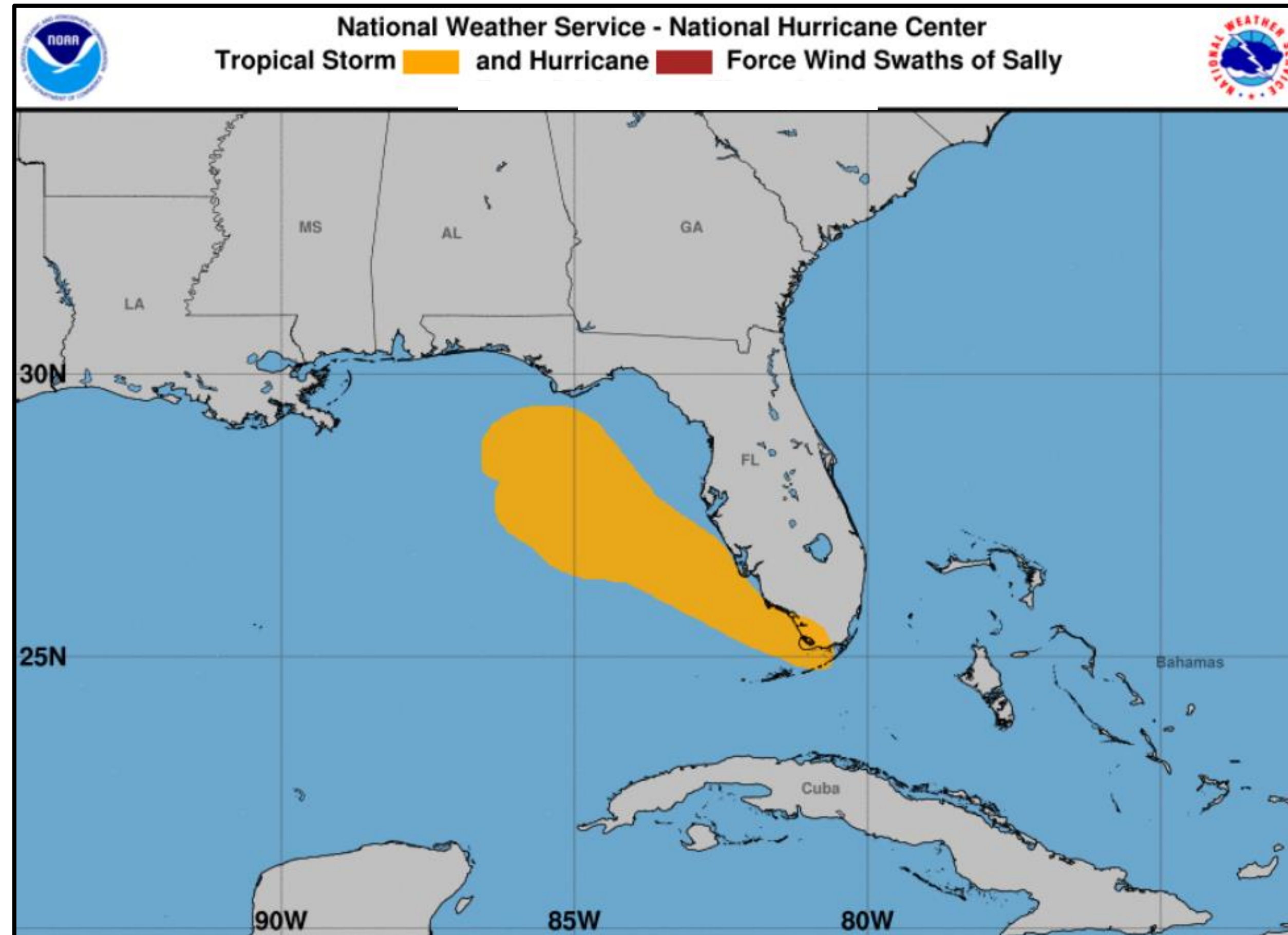


Situation Overview

Tropical Storm Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**...BARRY FORECAST TO SLOW DOWN AND
BECOME A HURRICANE ON TUESDAY...**

**...LIFE-THREATENING STORM SURGE,
HURRICANE-FORCE WINDS, AND HEAVY
RAINFALL EXPECTED ALONG PORTIONS OF
THE NORTHERN GULF COAST
STARTING ON WEDNESDAY...**

Summary of 1000 AM CDT Information

Location...28.2N 86.2W

About 120 nm SSW of Panama City, Florida

About 160 nm ESE of the Mouth of the Mississippi River

Maximum Sustained Winds...50 mph

Present Movement...NW at 10 kt

Minimum Central Pressure...29.42 INCHES

12 ft seas...120NE 90SE 30SW 90NW.

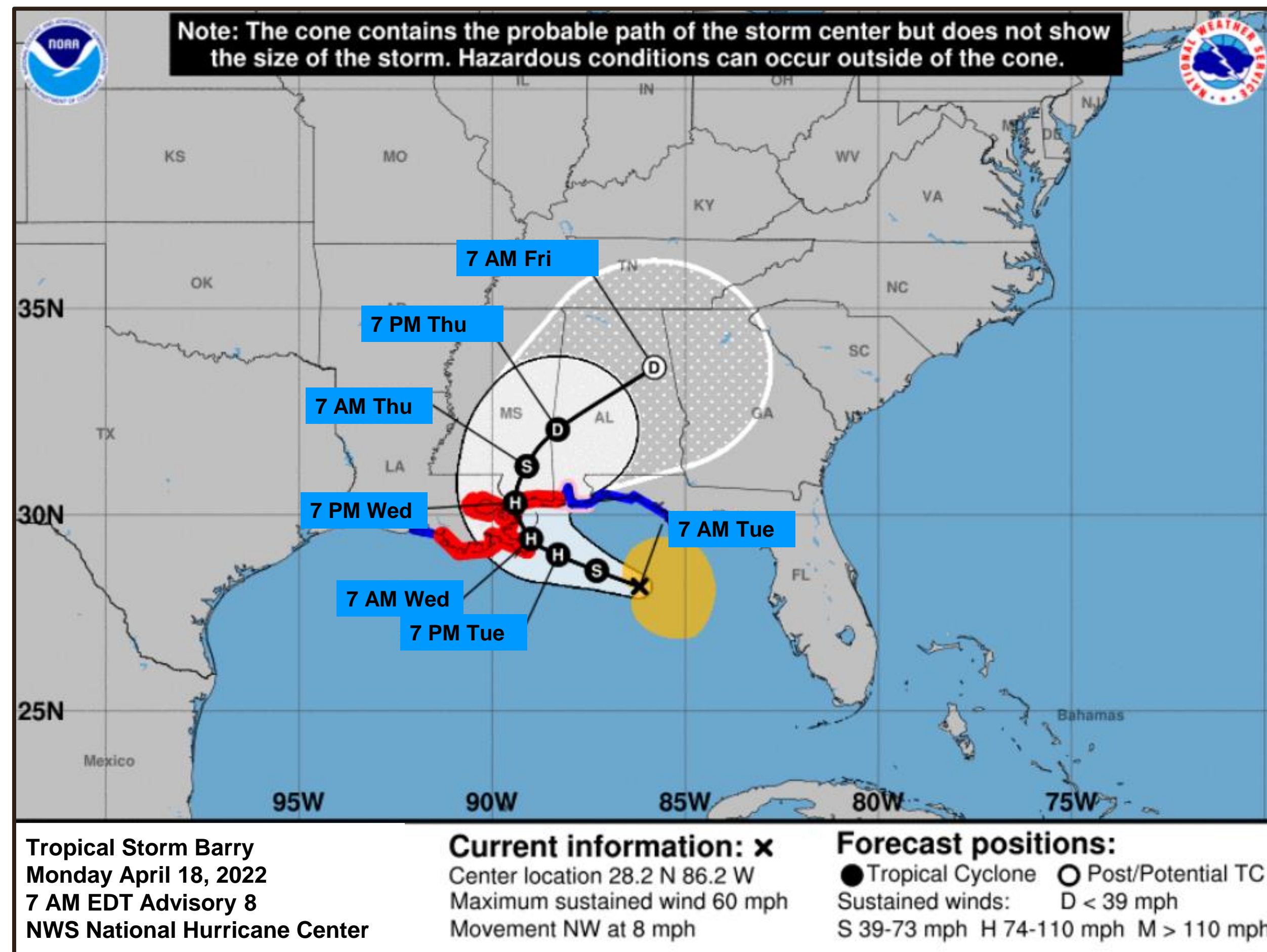
Peak Seas: 17 ft

Forecast Information

Tropical Storm Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- **Barry will turn WNW by Tue night and will make landfall along the central Gulf coast sometime Wednesday night**
- **Barry is expected to become a hurricane later this evening and will likely make landfall as a hurricane**
- **Barry will weaken to a tropical storm Wednesday night/Thursday morning as it turns ENE in the lower Mississippi Valley**
- Current center forecast positions through the next 5 days illustrated by dots
- White swatch is potential track error through day 3
- Hatched swatch is potential track error on days 4-5

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

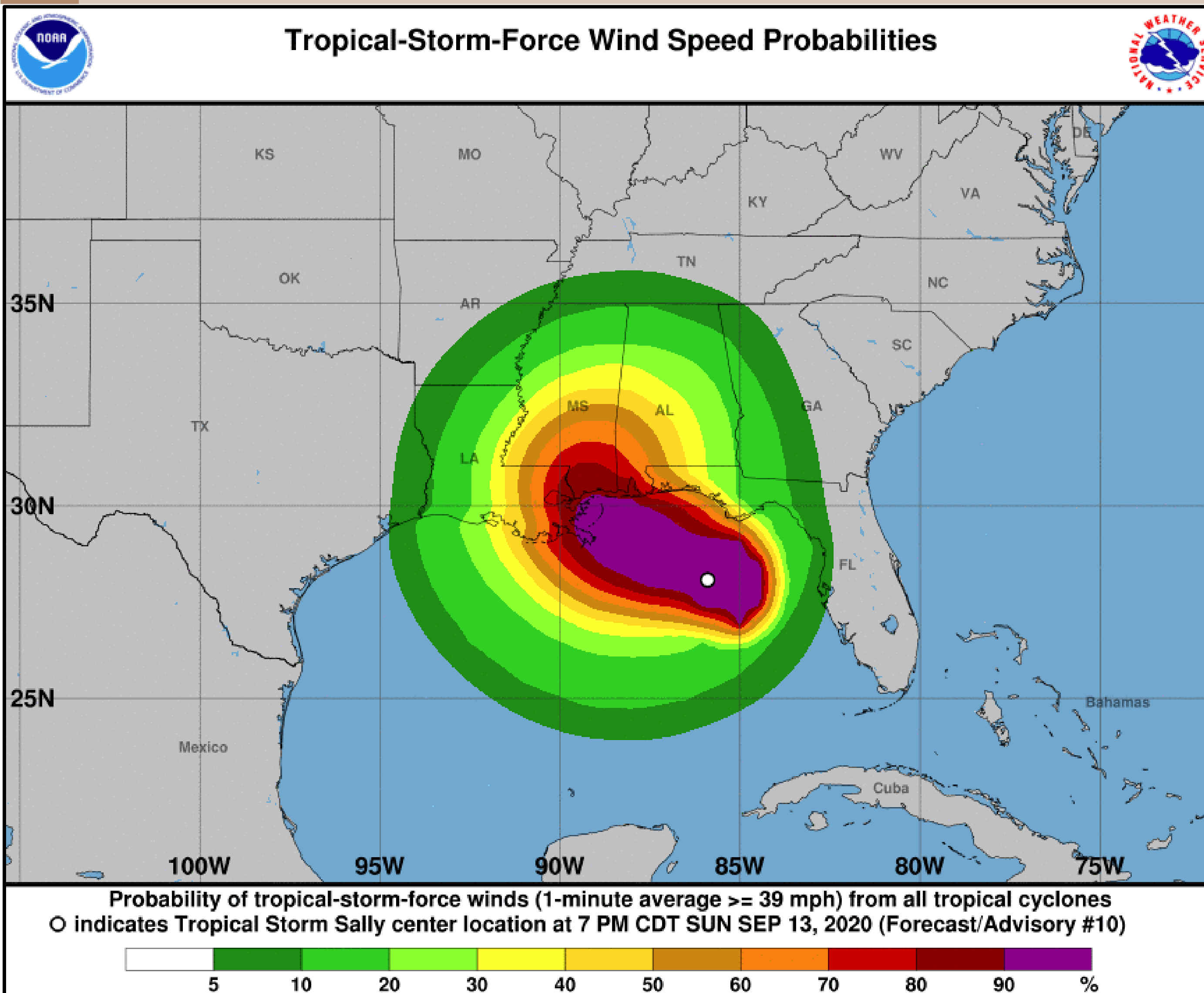
** Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

T.S. Wind Speed Probabilities

Tropical Storm Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- New Iberia, LA – 30%
- Morgan City, LA – 45%
- Baton Rouge, LA – 50%
- **New Orleans, LA – 75%**
- **Buras, LA – 85%**
- **Stennis, MS – 85%**
- **Gulfport, MS – 85%**
- **Mobile, AL – 75%**
- Pensacola, FL – 60%

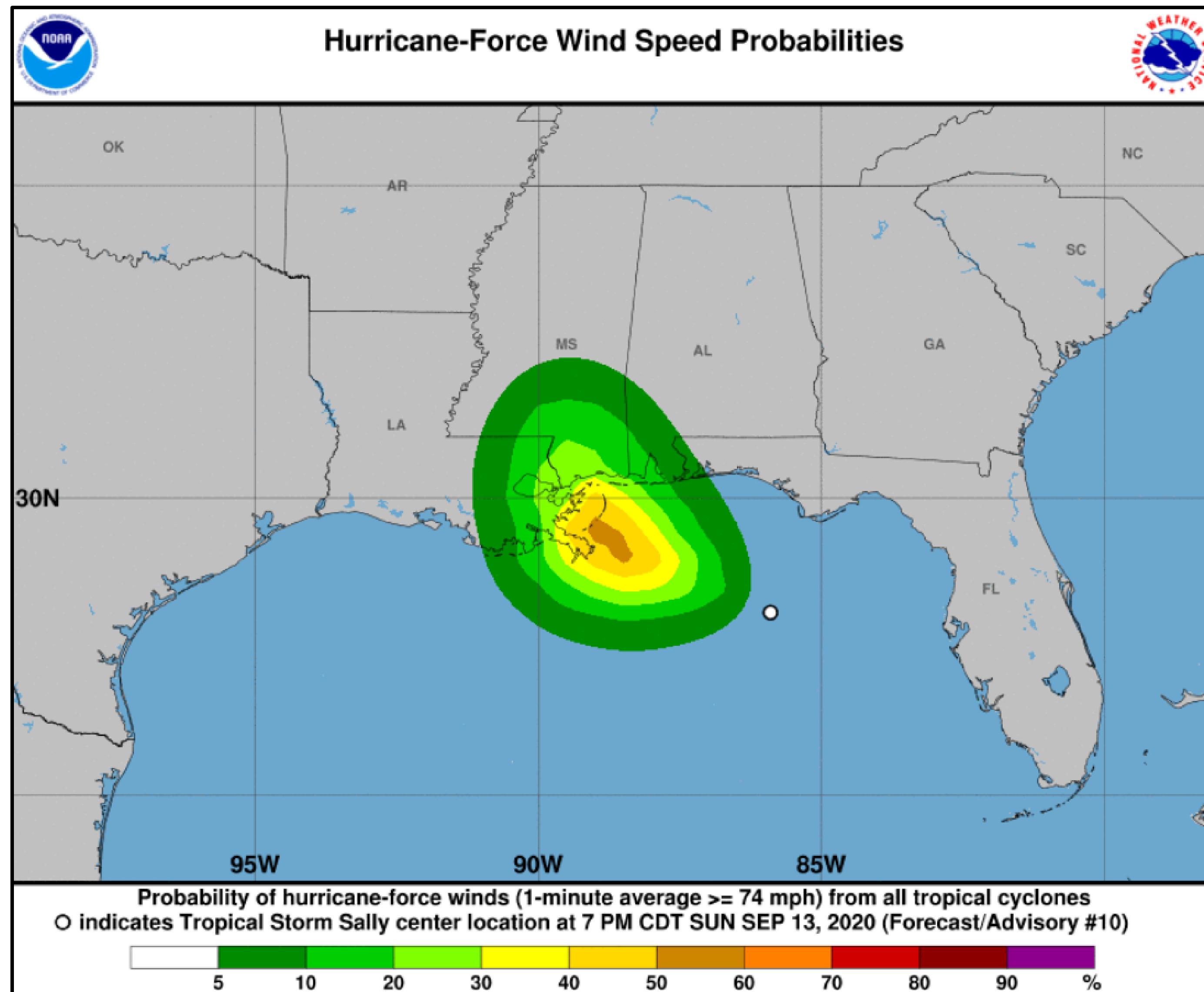
Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.

Hurricane Wind Speed Probabilities

Tropical Storm Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



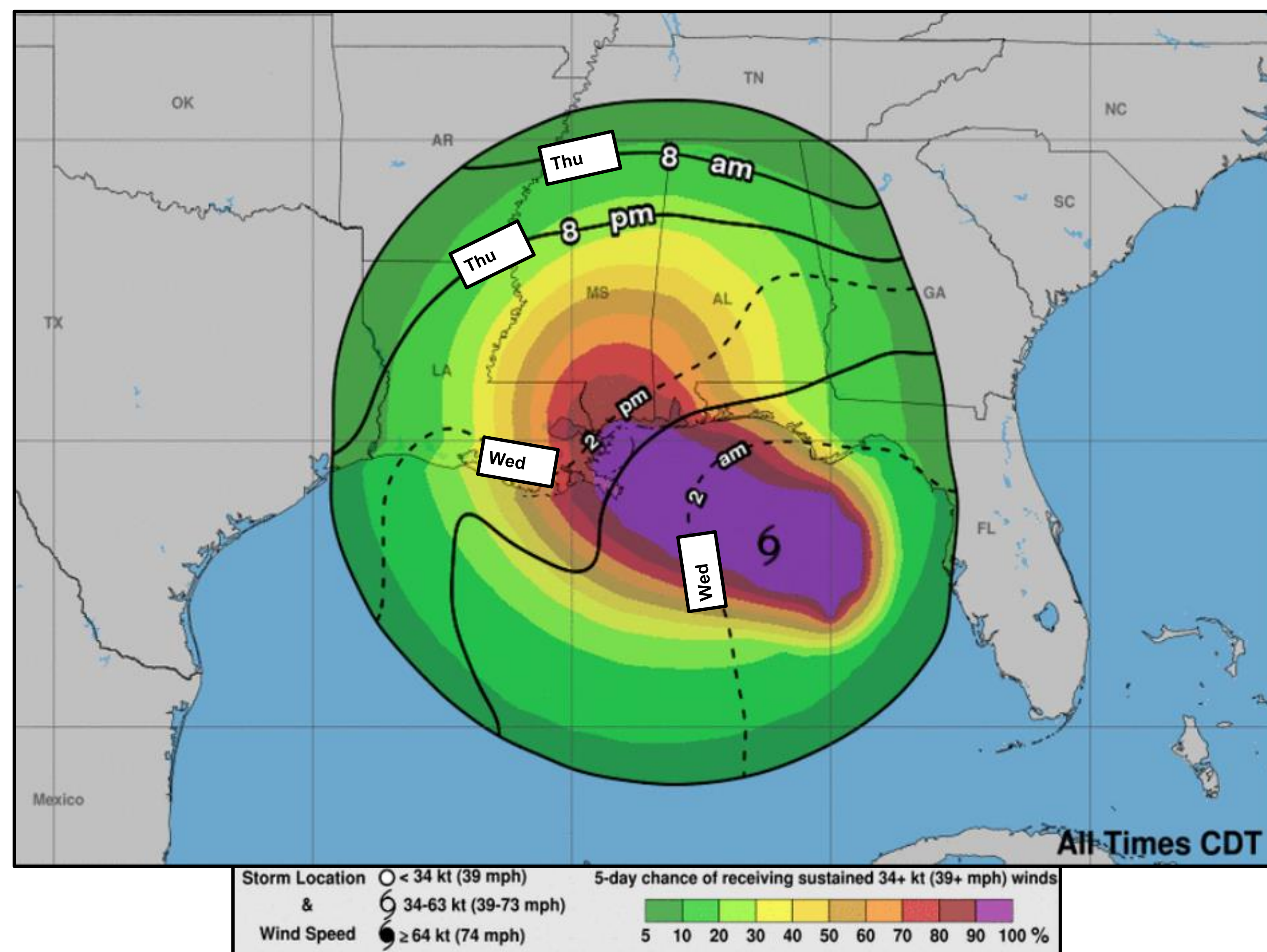
- New Iberia, LA – 0%
- Morgan City, LA – 5%
- Baton Rouge, LA – 5%
- New Orleans, LA – 15%
- Buras, LA – 20%
- Stennis, MS – 20%
- Gulfport, MS – 20%
- Mobile, AL – 10%
- Pensacola, FL – 5%

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



Tropical Storm Barry

- Tropical Storm force winds could begin along the central Gulf Coast as early as **Wednesday afternoon**
- 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 Barry

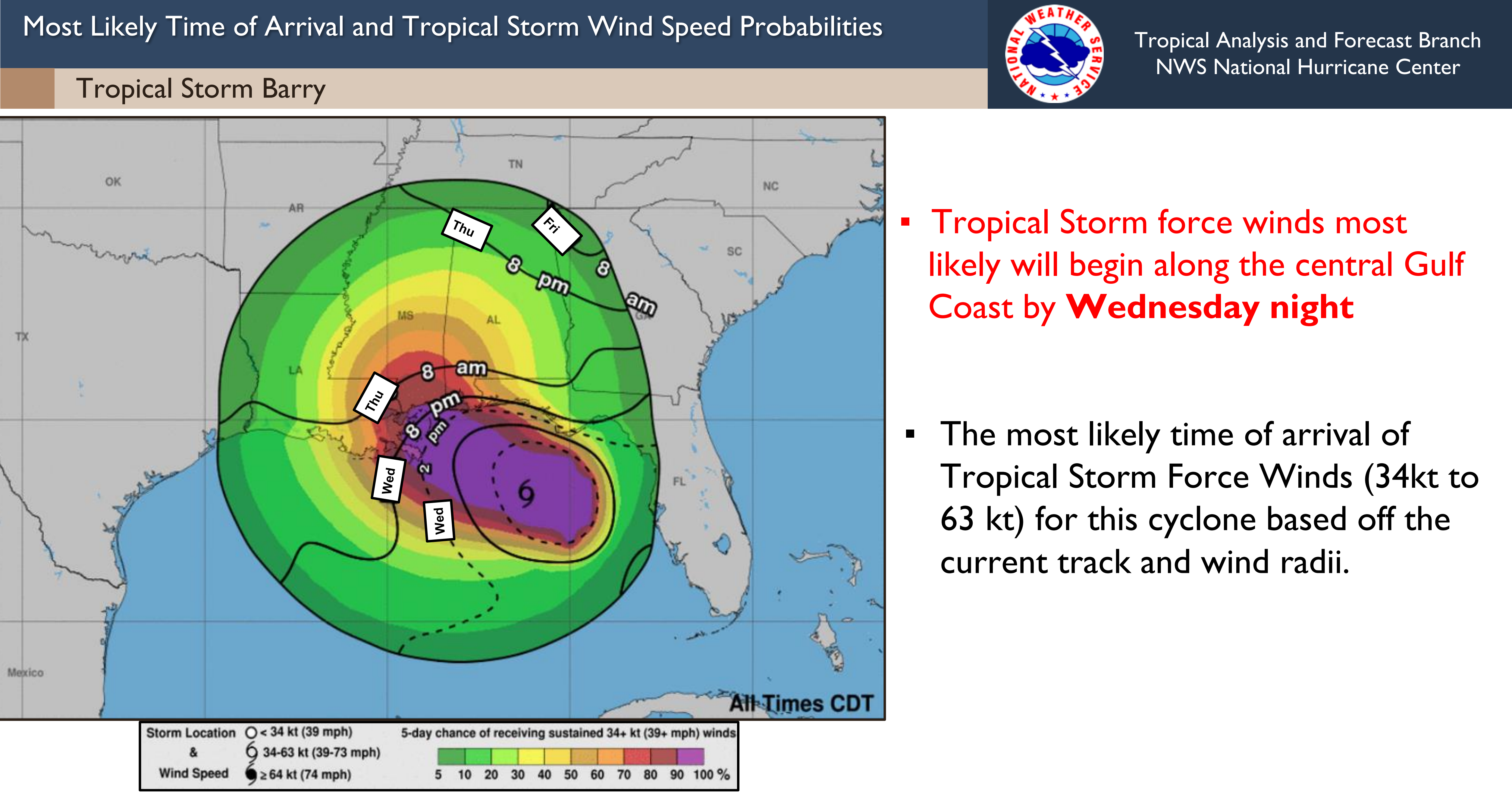


Most Likely Time of Arrival and Tropical Storm Wind Speed Probabilities

Tropical Storm Barry

Most Likely Time of Arrival and Tropical Storm Wind Speed Probabilities

Tropical Storm Barry



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

Tropical Storm Barry

Storm Location & Wind Speed

 - < 34 kt (39 mph)
 - 34-63 kt (39-73 mph)
 - ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds

5 10 20 30 40 50 60 70 80 90 100 %

All Times CDT

- Tropical Storm force winds most likely will begin along the central Gulf 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 Barry



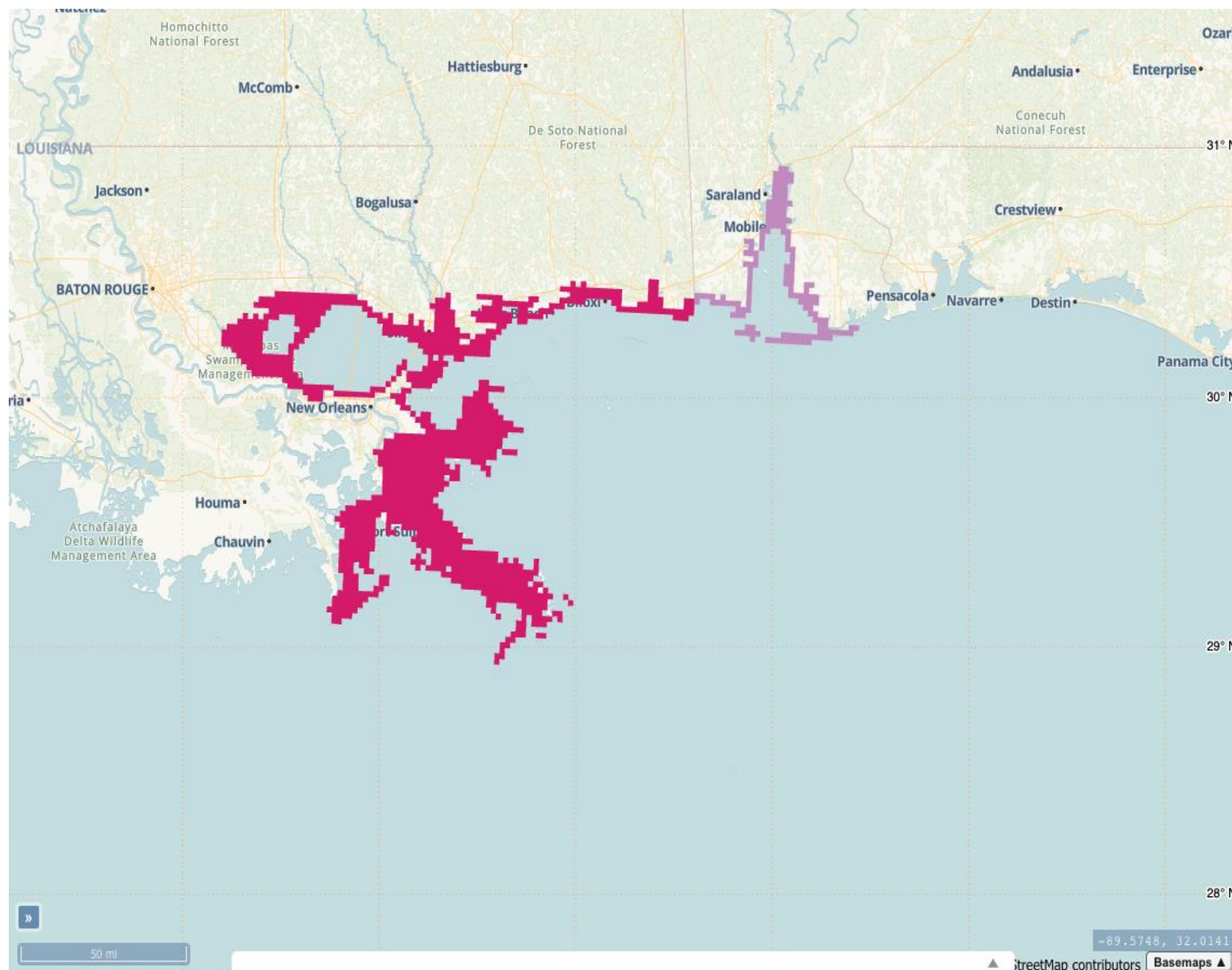
Tropical Analysis and Forecast Branch
NWS National Hurricane Center

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

- * Port Fourchon Louisiana to the Mississippi/Alabama Border
- * Lake Pontchartrain, Lake Maurepas, and Lake Borgne

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

- * Mississippi/Alabama Border to the Alabama/Florida Border including Mobile 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...

- -Mouth Pearl River, LA to Ocean Springs, MS including -Lake Borgne...7-11 ft
- -Grand Isle, LA to Mouth of the Mississippi River...4-7 ft
- -Ocean Springs, MS to MS/AL Border...4-7 ft
- -Mouth of the Mississippi River to Mouth Pearl River including Lake Pontchartrain and Lake Maurepas...4-6 ft
- -MS/AL Border to AL/FL Border including Mobile Bay...2-4 ft
- -Port Fourchon to Mouth of the Mississippi River, LA...2-4 ft

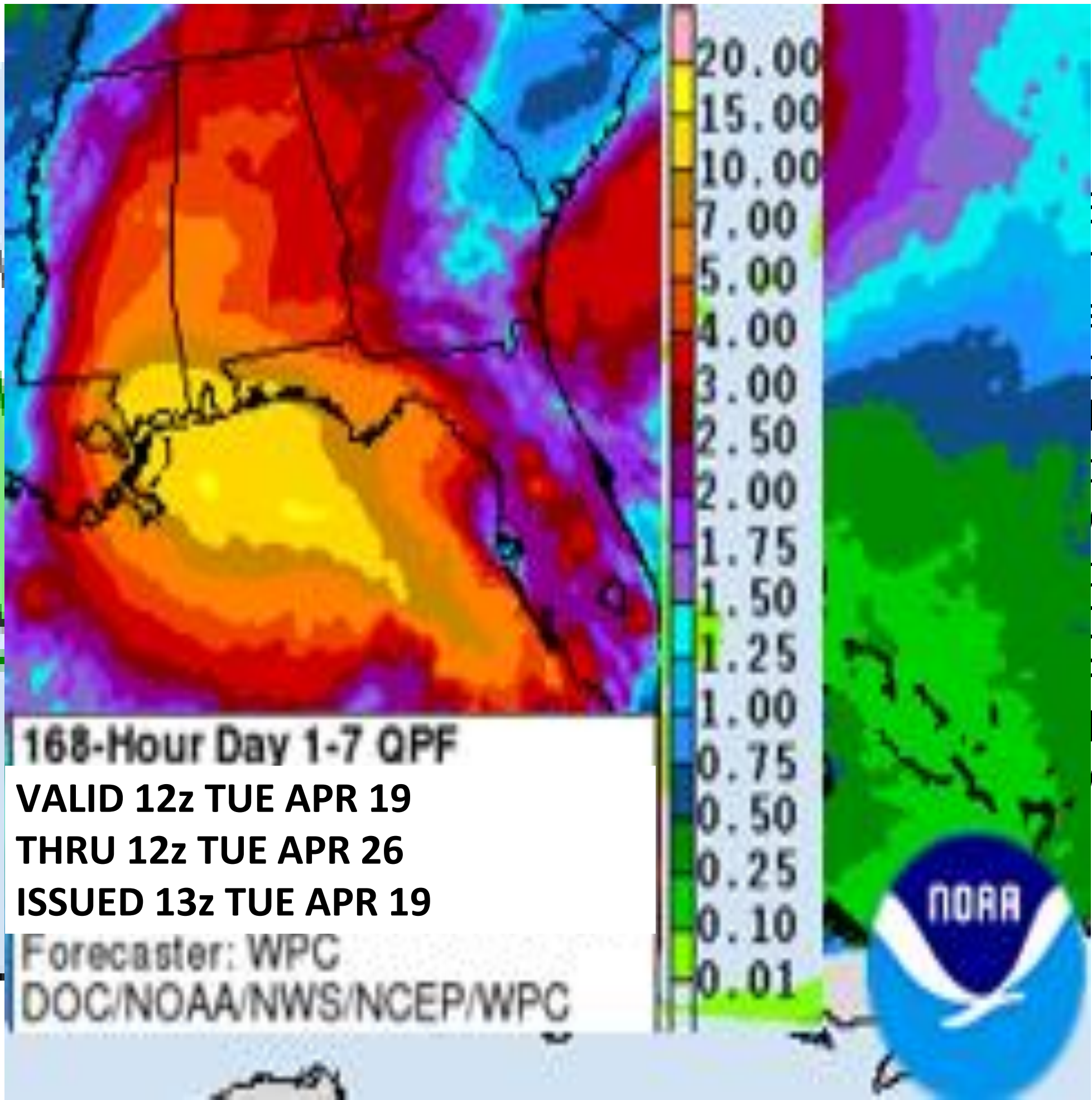
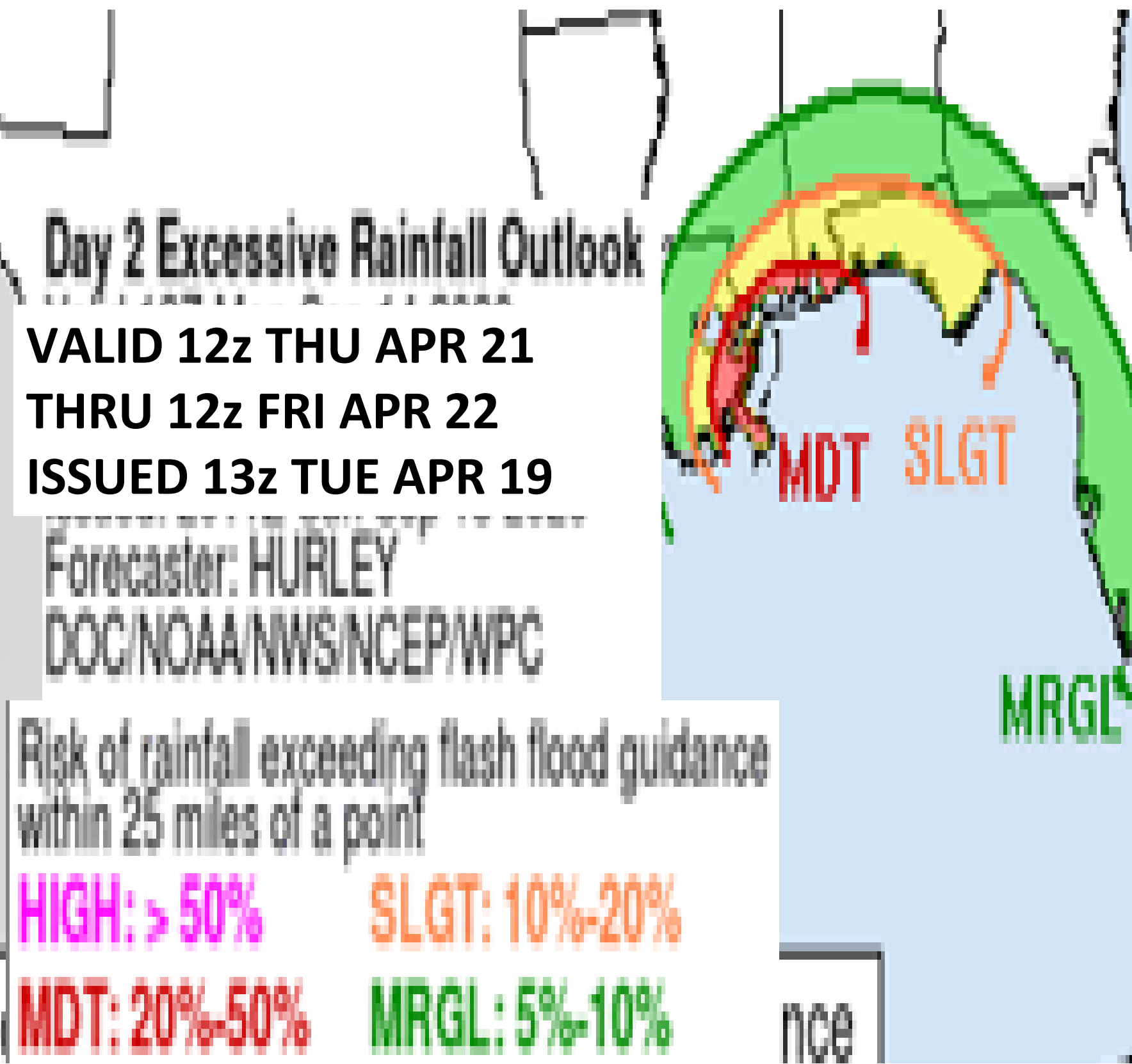
Overtopping of local levees outside of the Hurricane and Storm Damage Risk Reduction System is possible where local inundation values may be higher than those shown above.

Expected Storm Total Rainfall and Chance of Rainfall Flooding

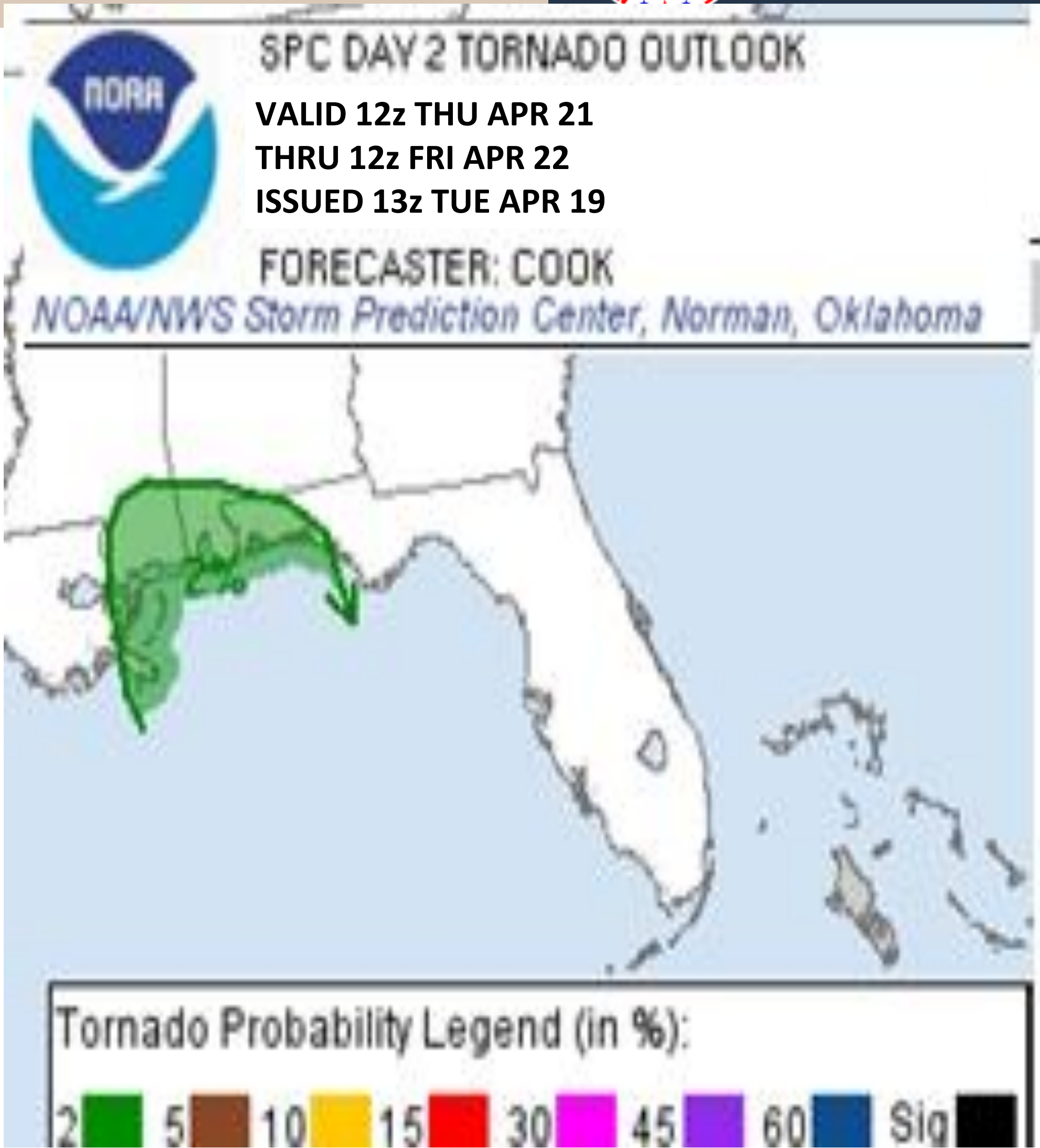
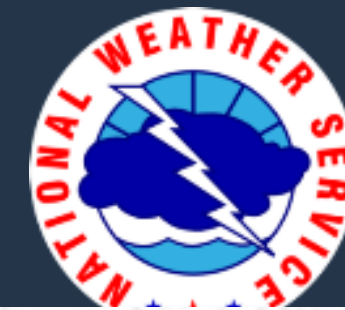


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Barry - Valid 12Z Apr 19, 2022 - 12Z Apr 26, 2022



Barry is expected to be a slow moving system resulting in significant flash flooding for the central Gulf Coast Tuesday through Thursday. Barry is expected to produce rainfall of 8 to 16 inches with isolated amounts of 24 inches over portions of the central Gulf Coast from the western Florida Panhandle to southeast Louisiana. This rainfall will likely result in new widespread minor to isolated major flooding on area rivers.





- **Marine Key Messages:**
- Seas could build to 20-25 ft south of Louisiana and the central Gulf Coast Wednesday into Thu

IMPACTS FOR D8 (through next 5 days)

Winds – High

Storm Surge – High

Rainfall/Flash Flooding – High

Tornadoes – Low

Waves - High



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



NHC_TAF

B

www.nhc.noaa.gov