

IMPACTS FOR D8 (through next 5 days)

Winds – Extreme

Storm Surge – High

Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - High

Hurricane Barry BRIEFING

9:00 AM CDT

Wednesday, April 20, 2022

Prepared by:

TAFB FORECASTER

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

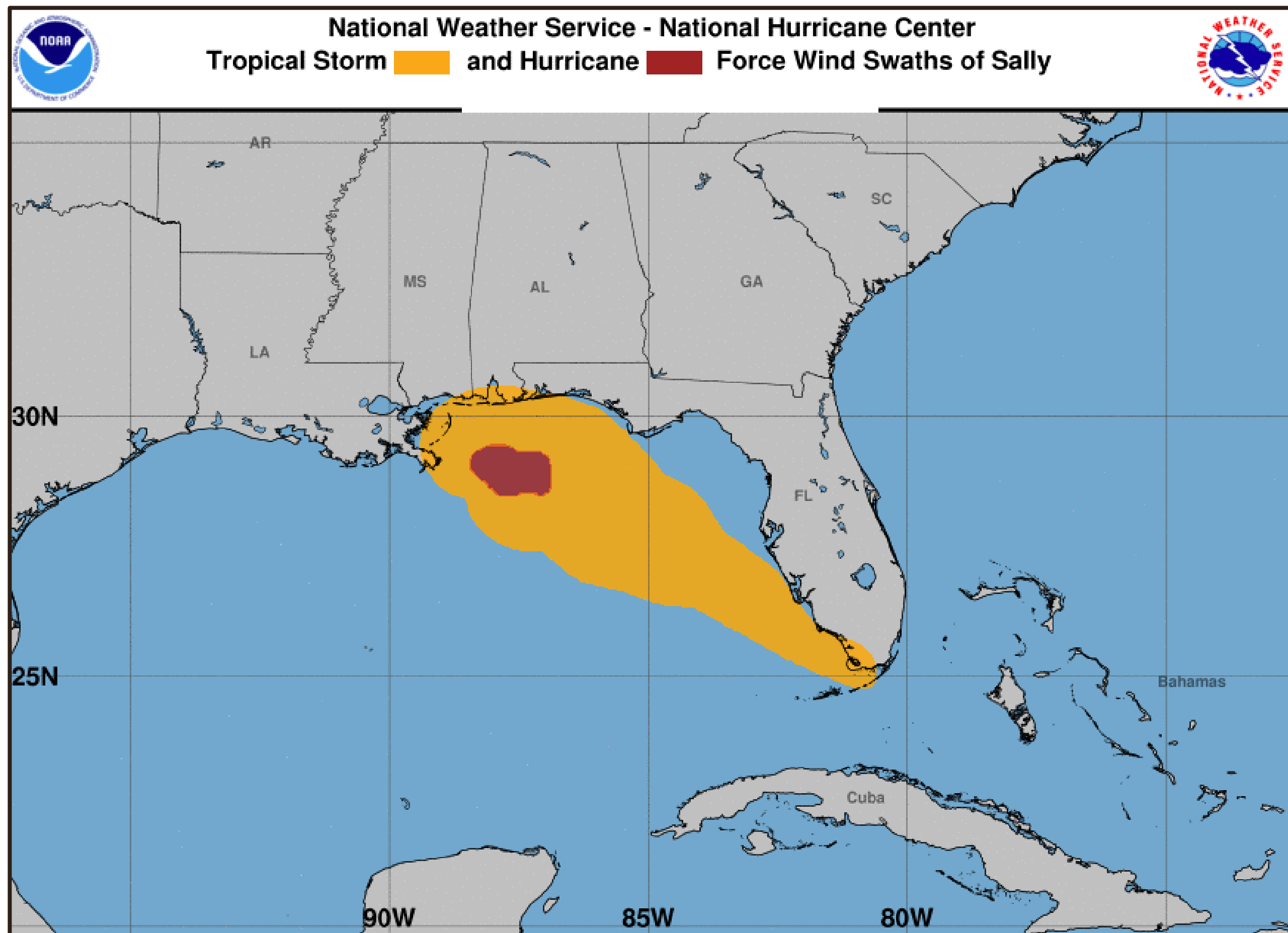


Situation Overview

Hurricane Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...HISTORIC FLOODING IS POSSIBLE FROM BARRY WITH EXTREME LIFE-THREATENING FLASH FLOODING LIKELY THROUGH THURSDAY ALONG PORTIONS OF THE NORTHERN GULF COAST...

Summary of 1000 AM CDT Information

Location...28.9N 88.1W
About 50 nm ESE of the Mouth of the Mississippi River
ABOUT 100 nm SSE of Biloxi, Mississippi
Maximum Sustained Winds... 70 kt
Present Movement...WNW at 10 kt
Minimum Central Pressure...983 MB

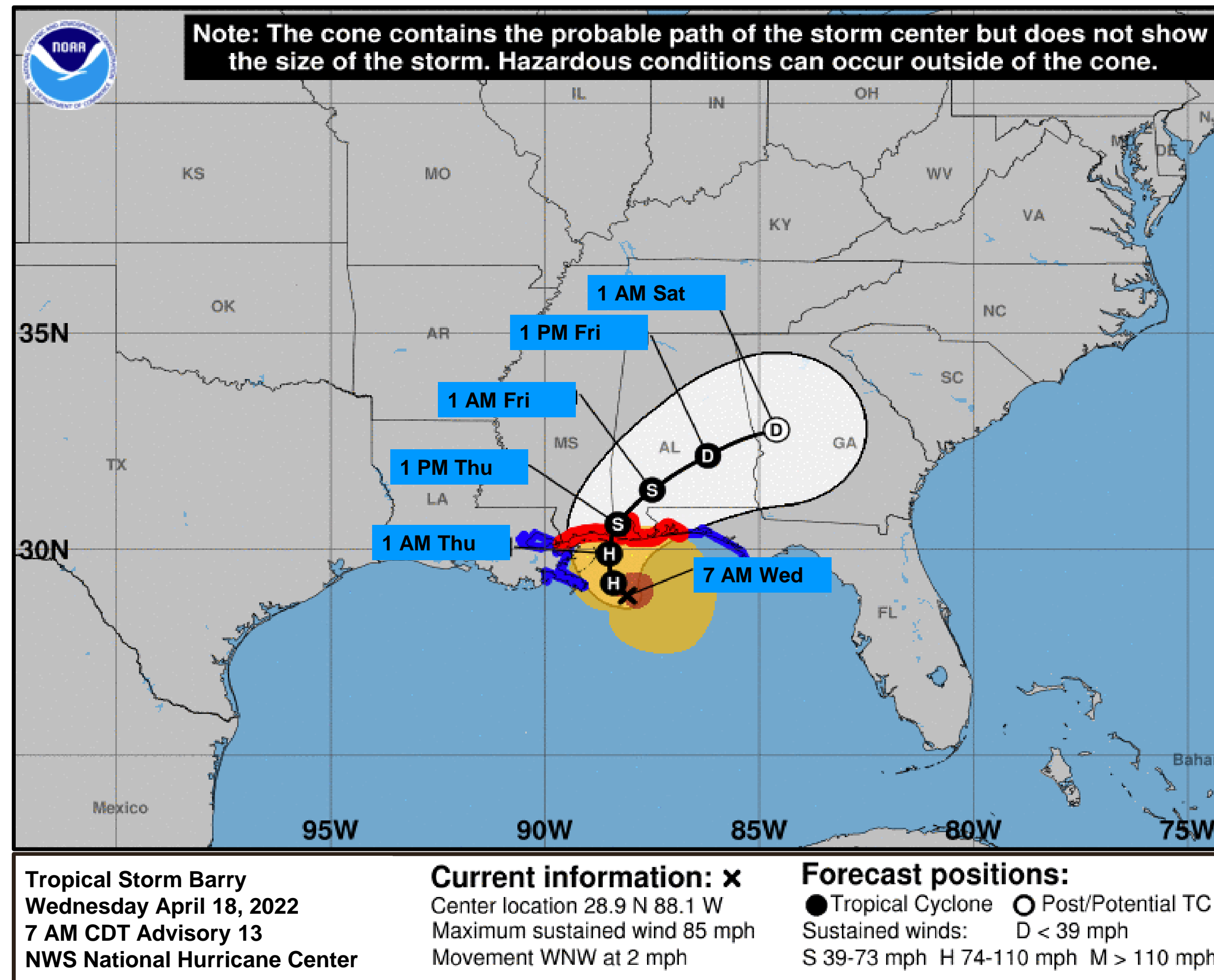
12 ft seas...90NE | 10SE | 50SW 90NW.
Peak Seas: 24 ft

Forecast Information

Hurricane Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- **Barry will turn to the north late tonight into early Thursday morning**
- **Barry will make landfall as a hurricane and quickly weaken to a tropical storm by Thursday afternoon**
- **Barry is expected to move ENE by Thursday night and move into the SE US**
- 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

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.

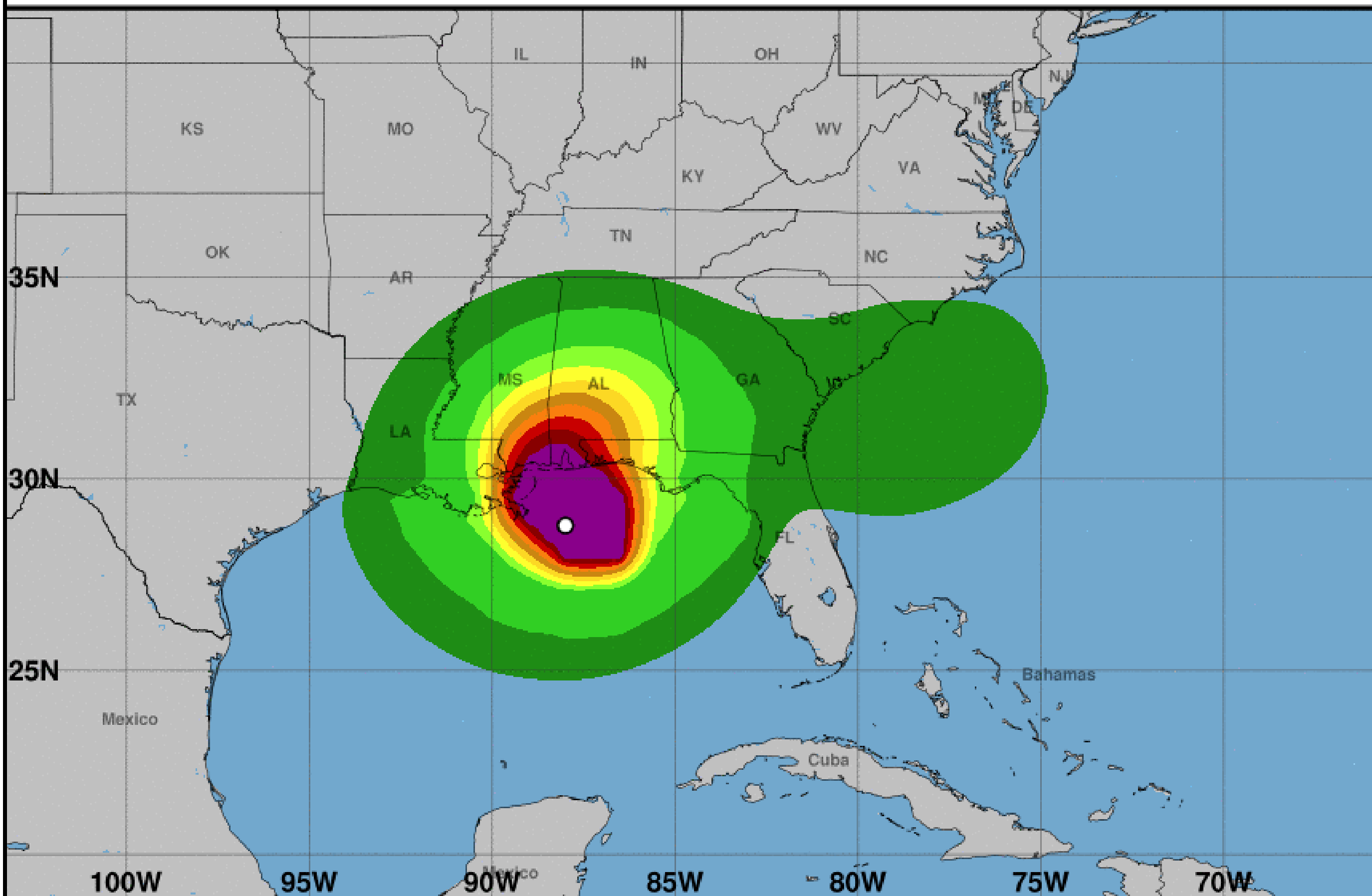
T.S. Wind Speed Probabilities



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Barry

Tropical-Storm-Force Wind Speed Probabilities



- New Iberia, LA – 10%
- Morgan City, LA – 15%
- Baton Rouge, LA – 15%
- New Orleans, LA – 35%
- Buras, LA – 65%
- **Stennis, MS – 75%**
- **Gulfport, MS – 90%**
- **Mobile, AL – 90%**
- **Pensacola, FL – 80%**

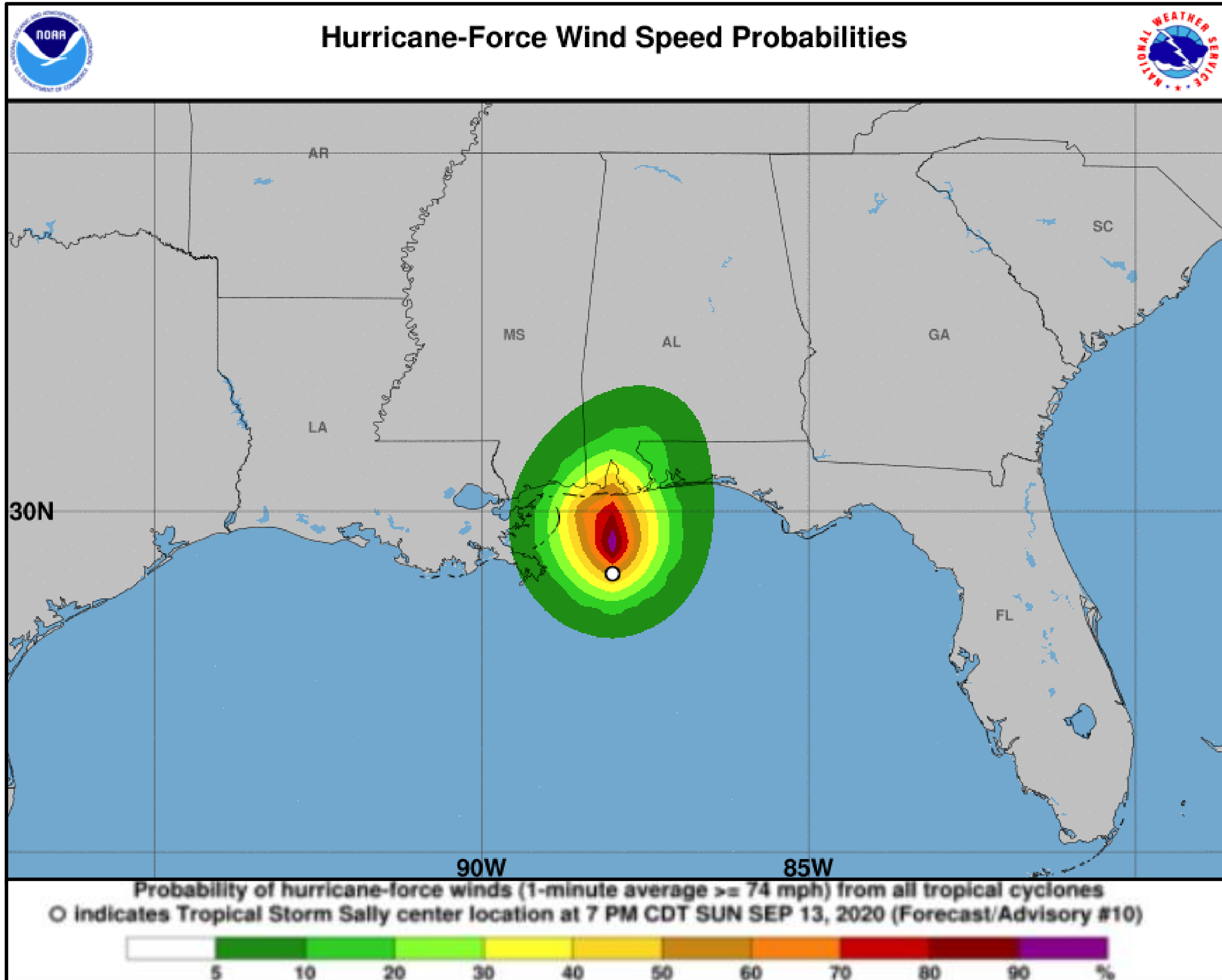
Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.

Hurricane Wind Speed Probabilities



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Barry

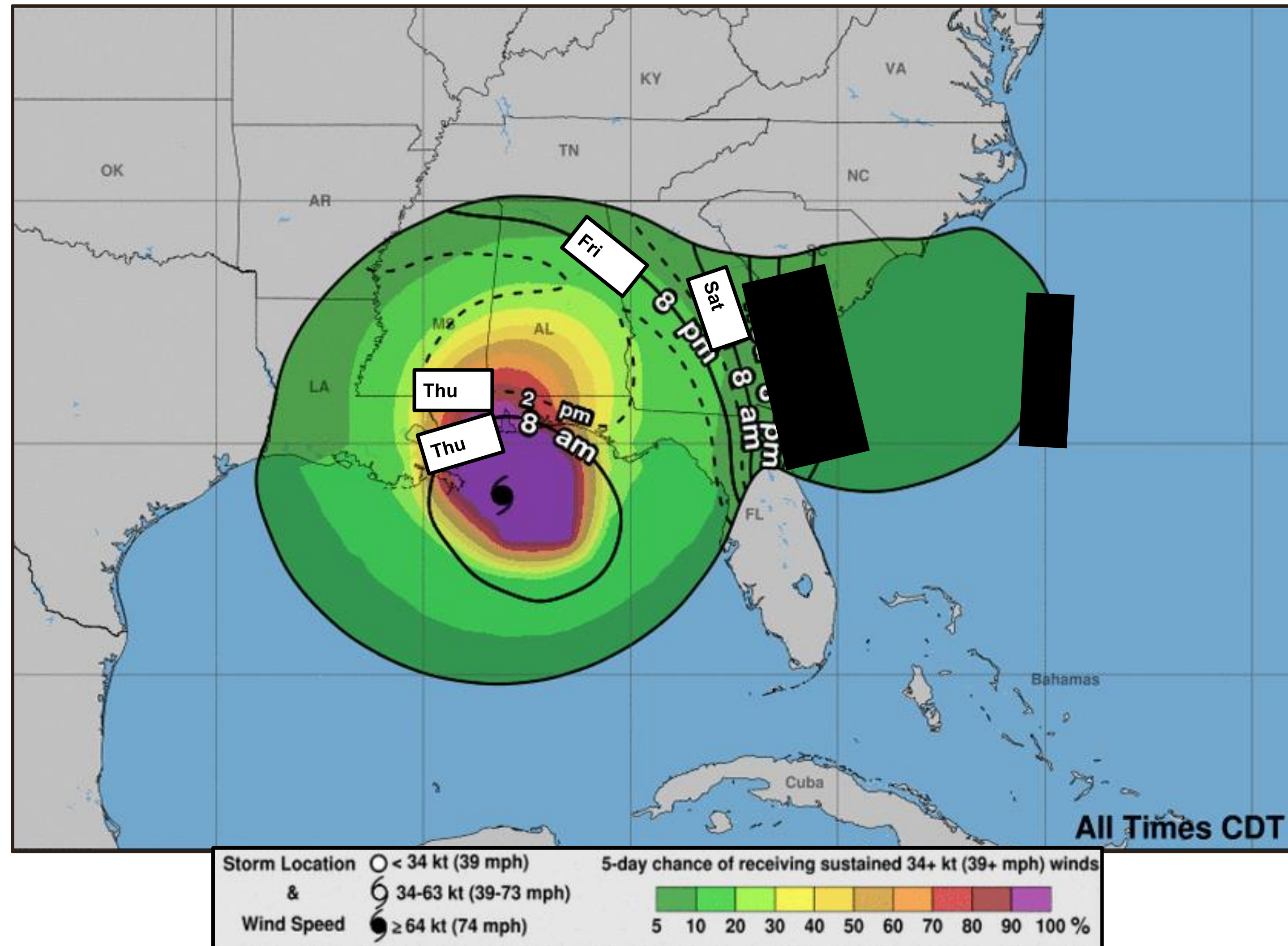


- Buras, LA – 5%
- Stennis, MS – 5%
- **Gulfport, MS – 15%**
- **Mobile, AL – 20%**
- Pensacola, FL – 10%

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



Hurricane Barry

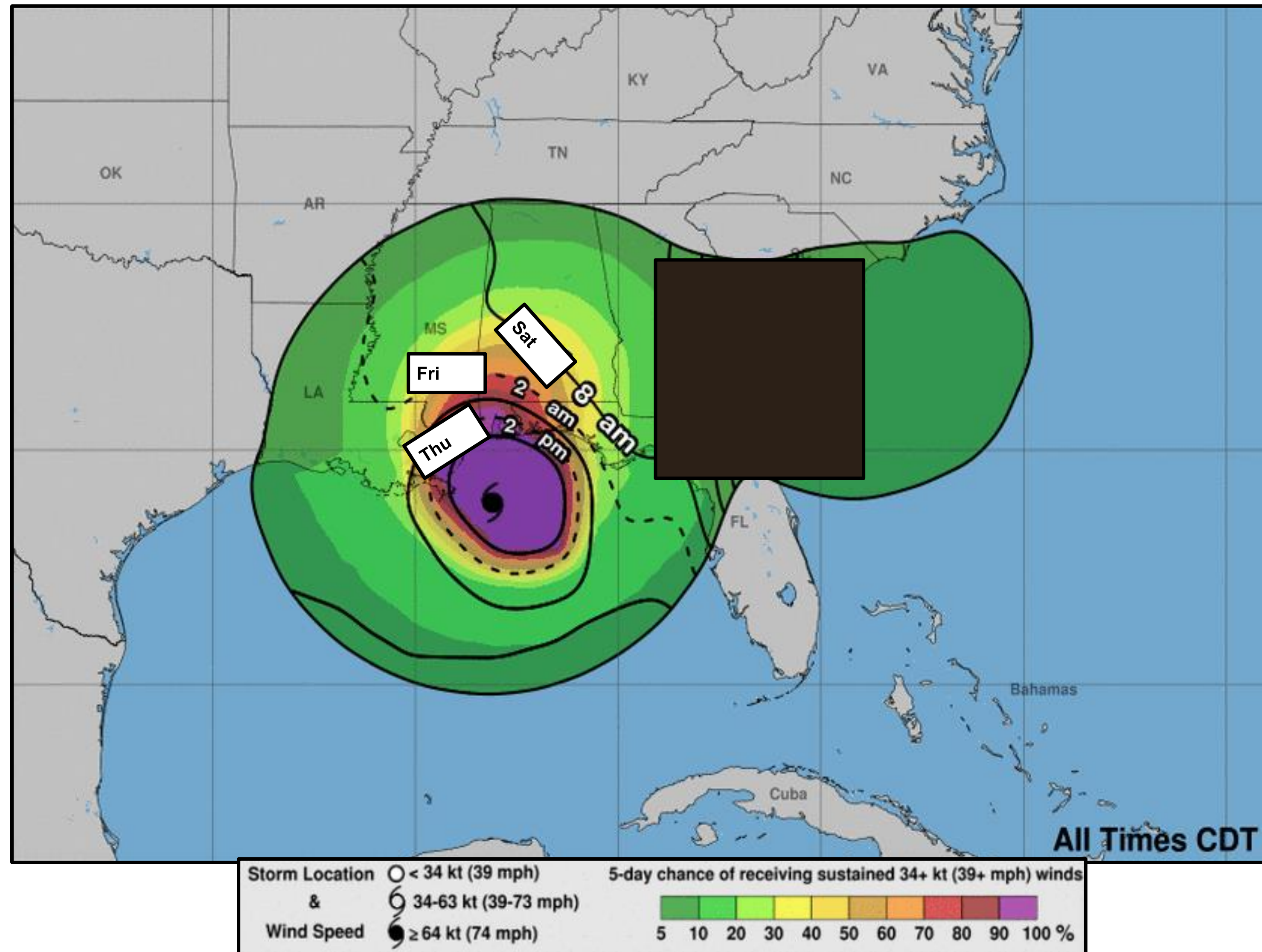


- Tropical Storm force winds could begin along the central Gulf Coast as early as **Thu morning**
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.



Hurricane Barry

- Tropical Storm force winds most likely will begin along the central Gulf Coast by **Thursday afternoon**
- 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

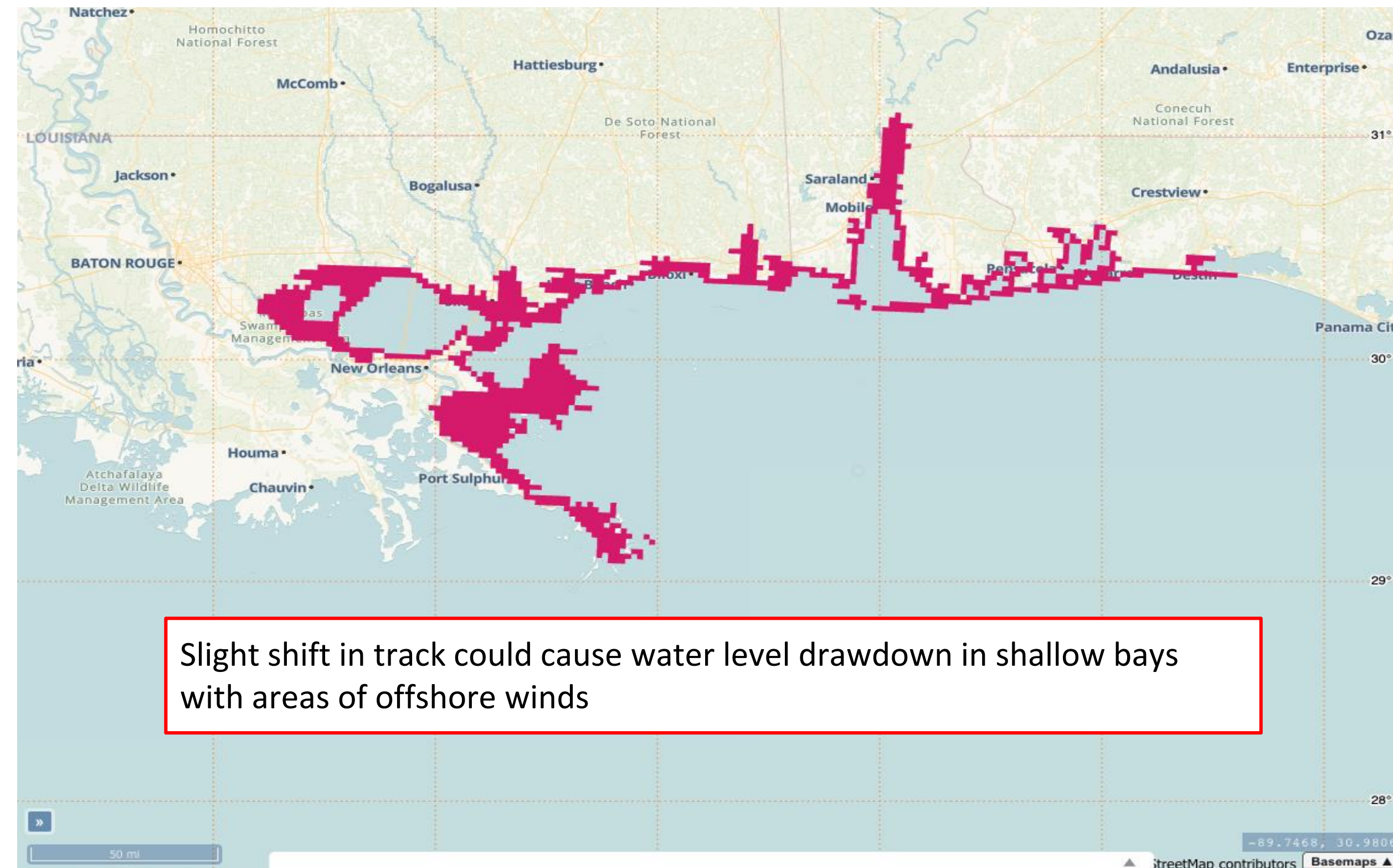
Hurricane Barry



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

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

- * Mouth of the Mississippi River to the Okaloosa/Walton County Line Florida
- * 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...

- -Ocean Springs, MS to AL/FL Border including Mobile Bay...7-11 ft
- -AL/FL Border to Okaloosa/Walton County Line, FL including Pensacola Bay and Choctawhatchee Bay...4-6 ft
- -Mouth of the Pearl River to Ocean Springs, MS...5-7 ft
- -Mouth of the Mississippi River to Mouth of the Pearl River including Lake Borgne...3-5 ft
- -Lake Pontchartrain and Lake Maurepas...2-4 ft
- -Okaloosa/Walton County Line, FL to Chassahowitzka, FL including Saint Andrews Bay...2-4 ft
- -Grand Isle, LA to Mouth of the Mississippi River...1-3 ft

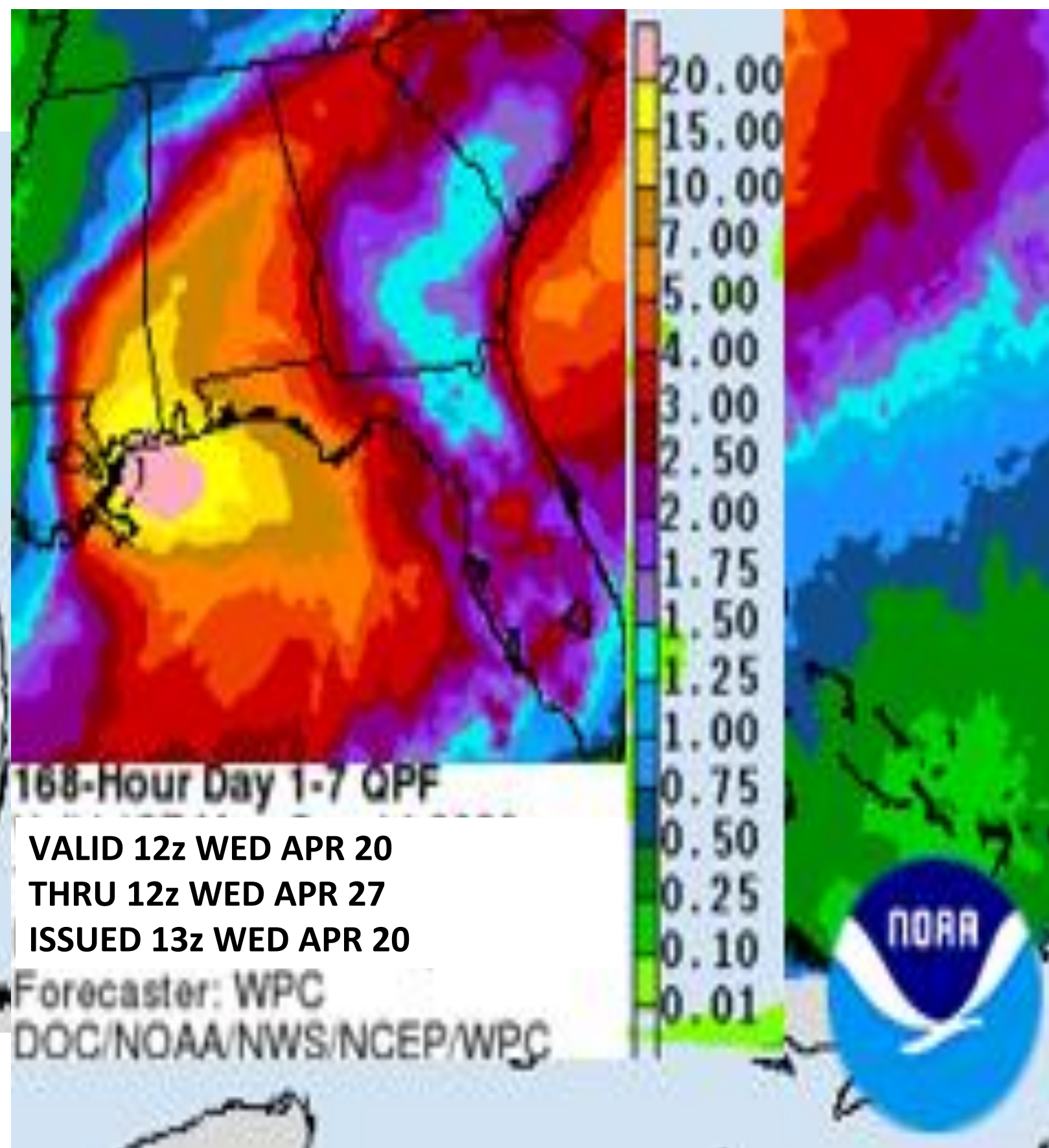
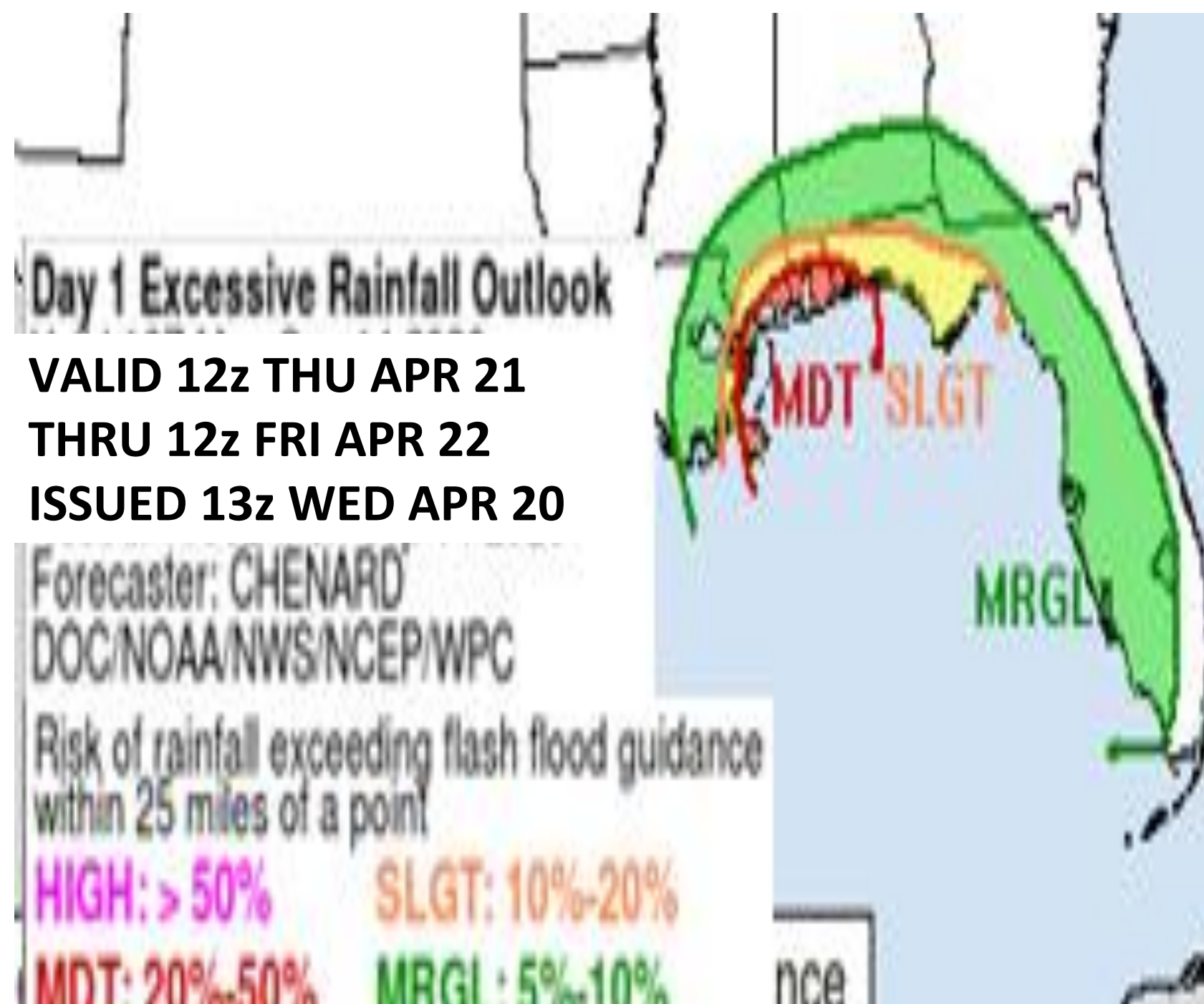
Overtopping of local levees outside of the Hurricane and Storm Damage Risk Reduction System is possible where local inundation values may be higher than those shown above.

Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Barry - Valid 12Z Apr 20, 2022 - 12Z Apr 27, 2022



Barry is expected to be a slow moving system as it approaches land producing 10 to 20 inches of rainfall with isolated amounts of 30 inches along and just inland of the central Gulf Coast from the western Florida Panhandle to far southeastern Mississippi. Historic flooding is possible with extreme life-threatening flash flooding likely through Thursday. In addition, this rainfall will lead to widespread moderate to major flooding on area rivers.





- **Marine Key Messages:**
- Seas could build to near 28 ft south of Louisiana and the central Gulf Coast today into Thu

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

Winds – **Extreme**

Storm Surge – **High**

Rainfall/Flash Flooding – **Extreme**

Tornadoes – **Low**

Waves - **High**



BRIEFING

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

The Next Briefing Will Be:
Thursday, 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