



# TROPICAL UPDATE



5:00 PM EDT

Wednesday, October 7, 2020

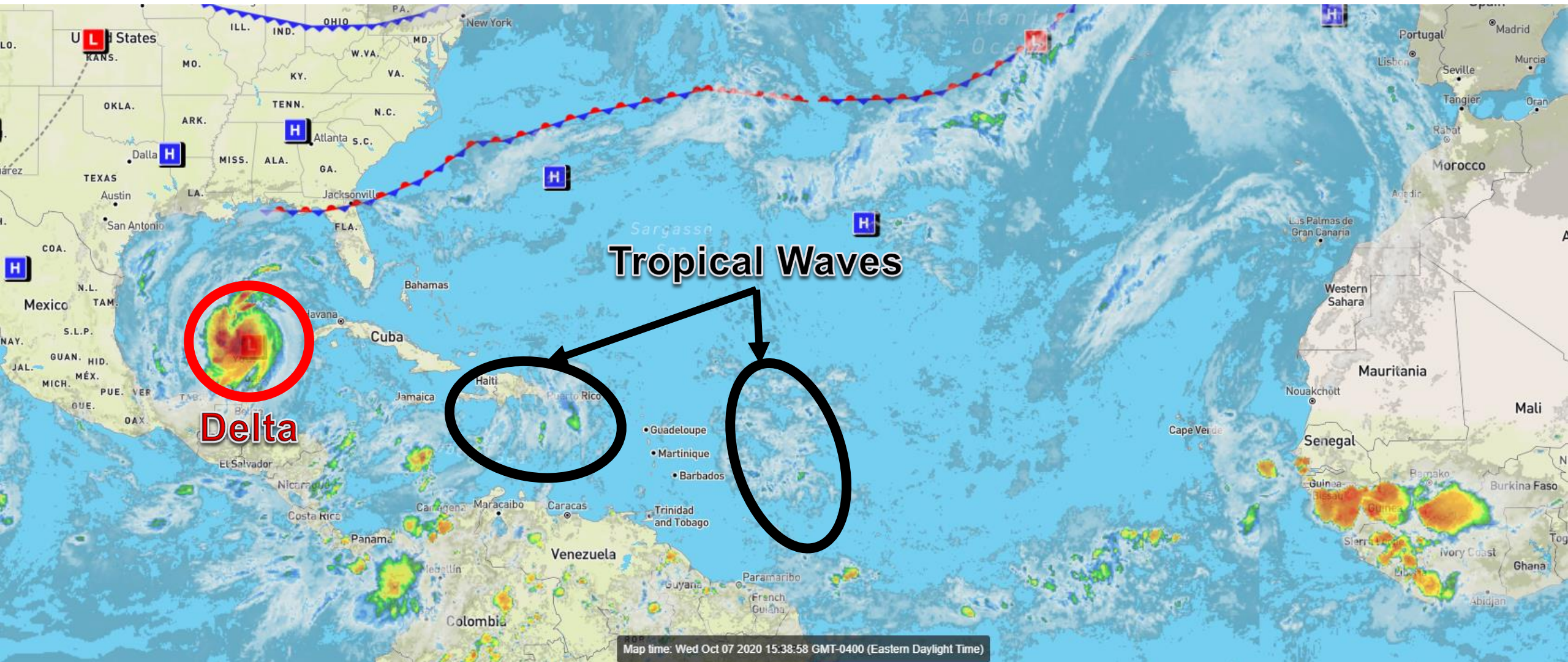
Hurricane Delta

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at [www.hurricanes.gov](http://www.hurricanes.gov).



# Atlantic Basin Satellite Image

Chance of development: — None — Low — Medium — High





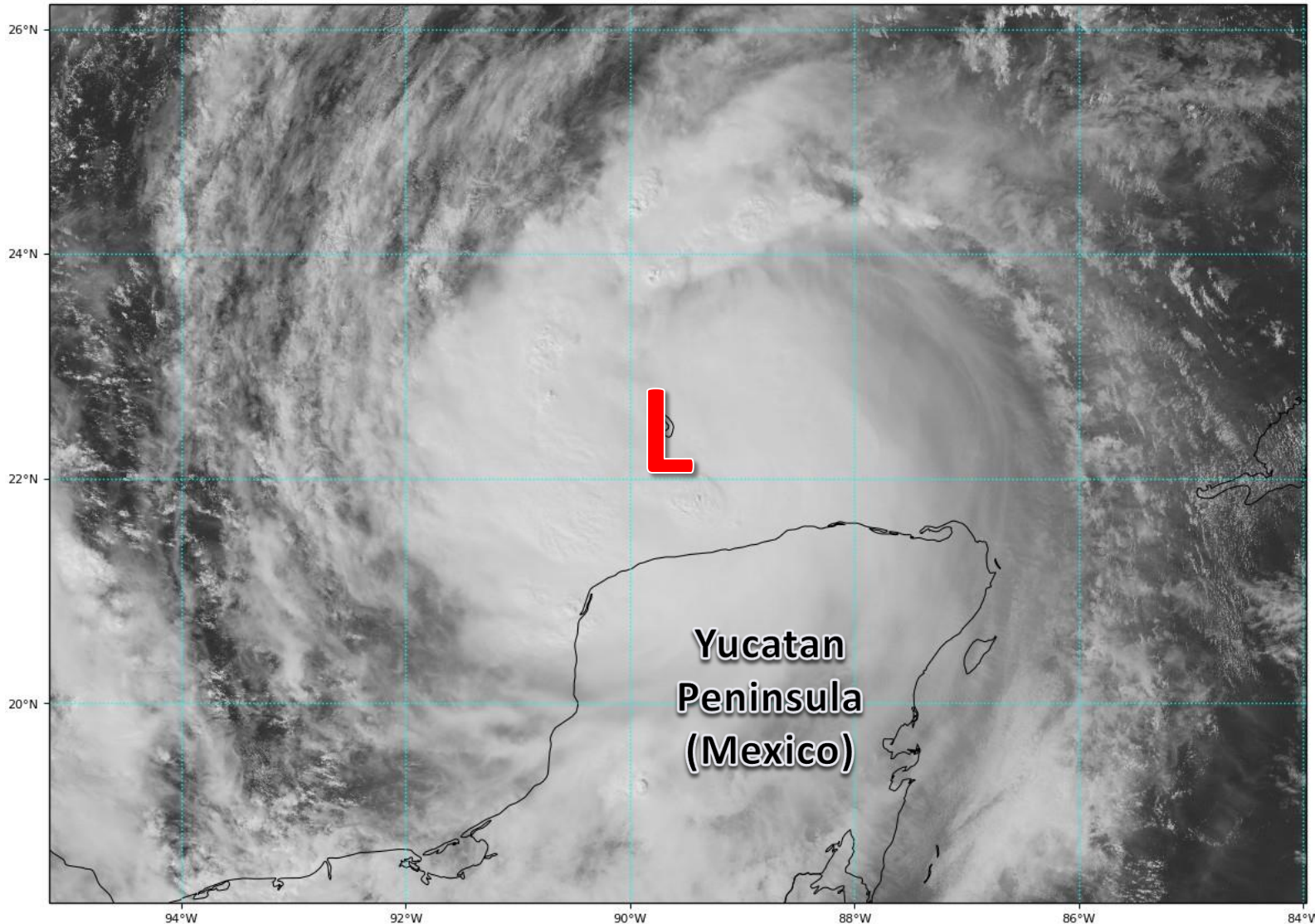


# Satellite Imagery

## Hurricane Delta – Southern Gulf of Mexico

GOES-16 Channel 2 (visible) Reflectance at 19:32Z Oct 07, 2020

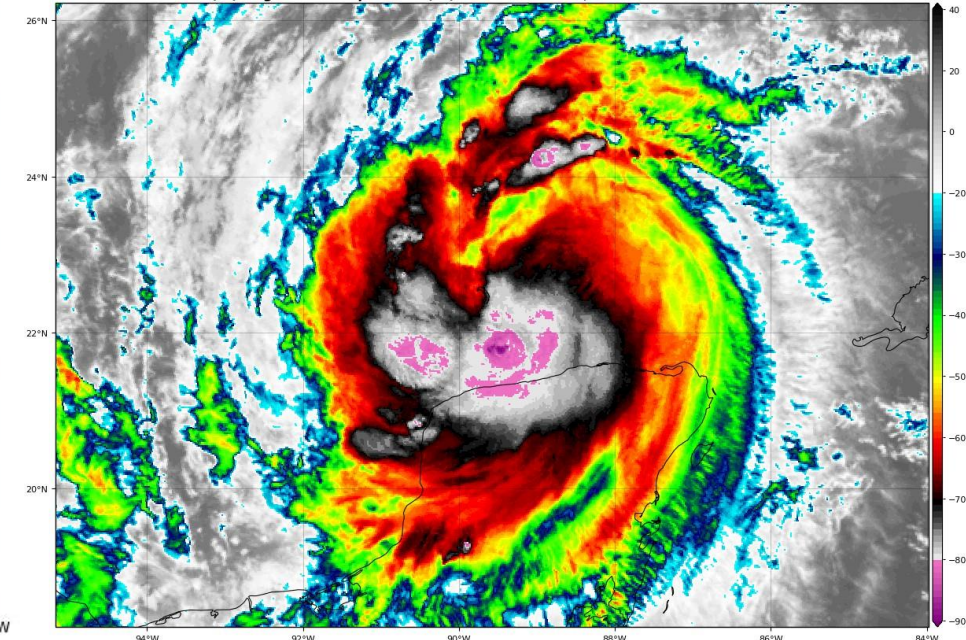
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Delta has emerged into the southern Gulf of Mexico. While the core of the system remains intact, it has weakened during its time over land. Hurricane Hunters have been investigating the system, and there are some signs that the wind field is beginning to expand.

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 19:32Z Oct 07, 2020

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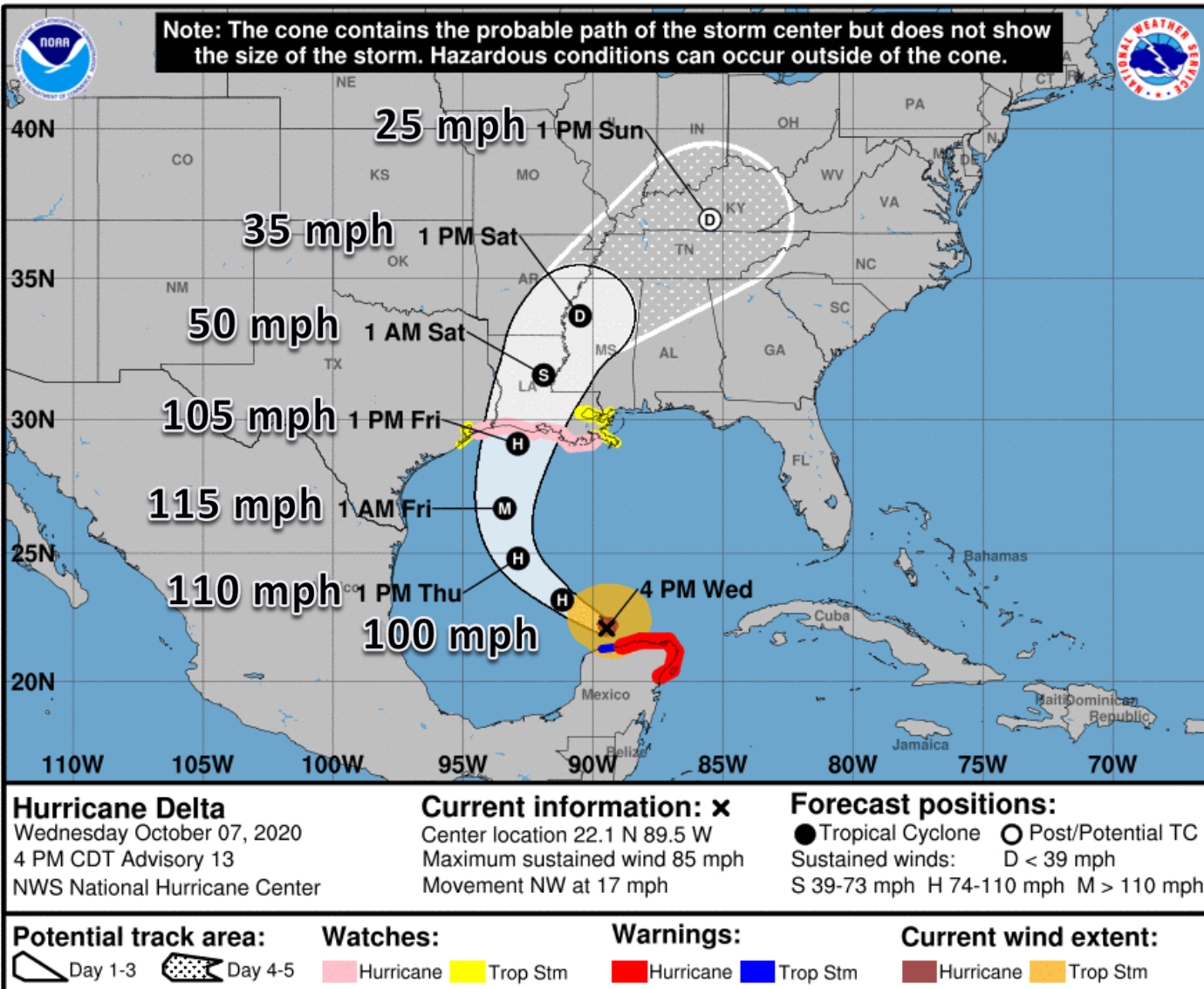






# Official Forecast Track

From the National Hurricane Center – Hurricane Delta



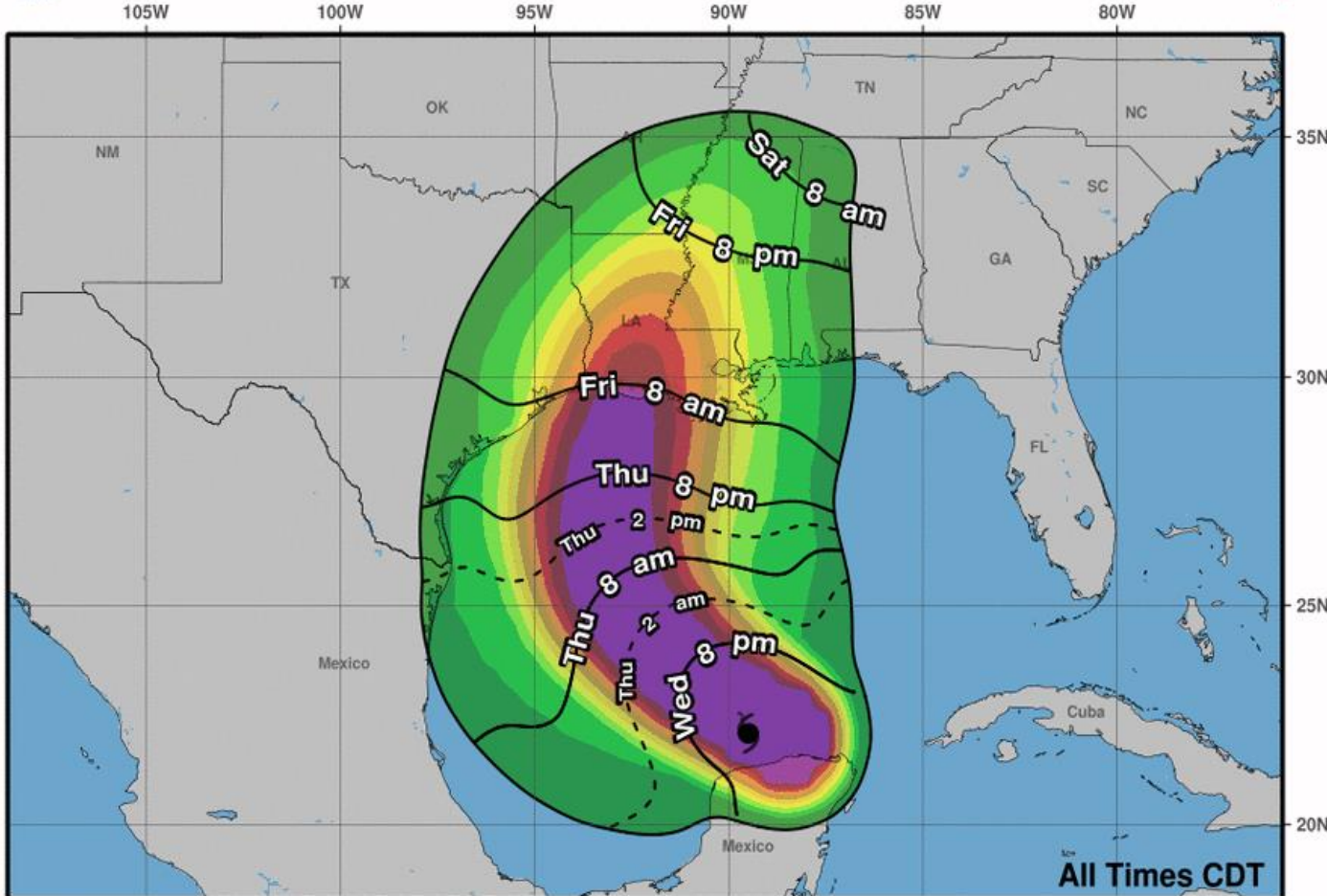
- Delta's trek over the Yucatan has resulted in more weakening than originally thought. Hurricane Hunters found that maximum sustained winds are near 85 mph (Category 1).
- Delta is a small but powerful hurricane. Hurricane force winds only extend out 30 miles. However, the storm will likely grow in size once it reaches the Gulf of Mexico. There are indications that this growth may be starting now.
- The center of Delta is located about 580 miles south-southeast of Cameron, LA, moving northwest at 17 mph.
- Delta is forecast to re-strengthen in the Gulf of Mexico into a Category 3 Hurricane briefly, then weaken as it approaches the Louisiana coastline.



# Time of Arrival & Wind Speed Probabilities

**EARLIEST REASONABLE** Time of Arrival of Tropical Storm Force Winds (>39 mph)

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



Destin: 4% (-7)

Pensacola: 8% (-9)

Pensacola NAS: 9% (-11)

**\*Numbers in parentheses denote change in probability since the last briefing packet.\***

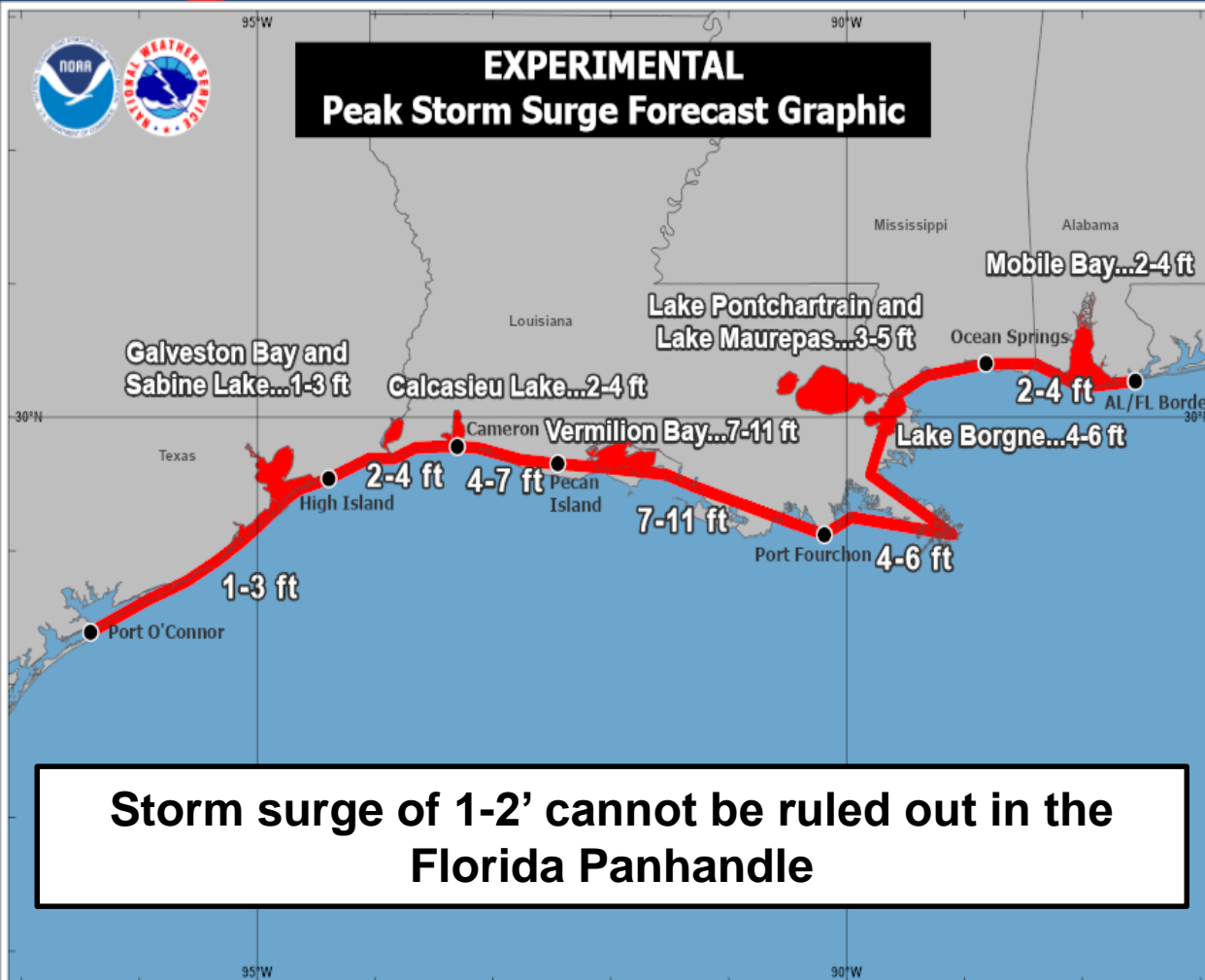
Probabilities have decreased significantly with the continued westward shift.

Hurricane Delta  
Wed. Oct. 7, 2020 4 pm CDT  
Advisory 13



# Storm Surge Forecast, Watches & Warnings

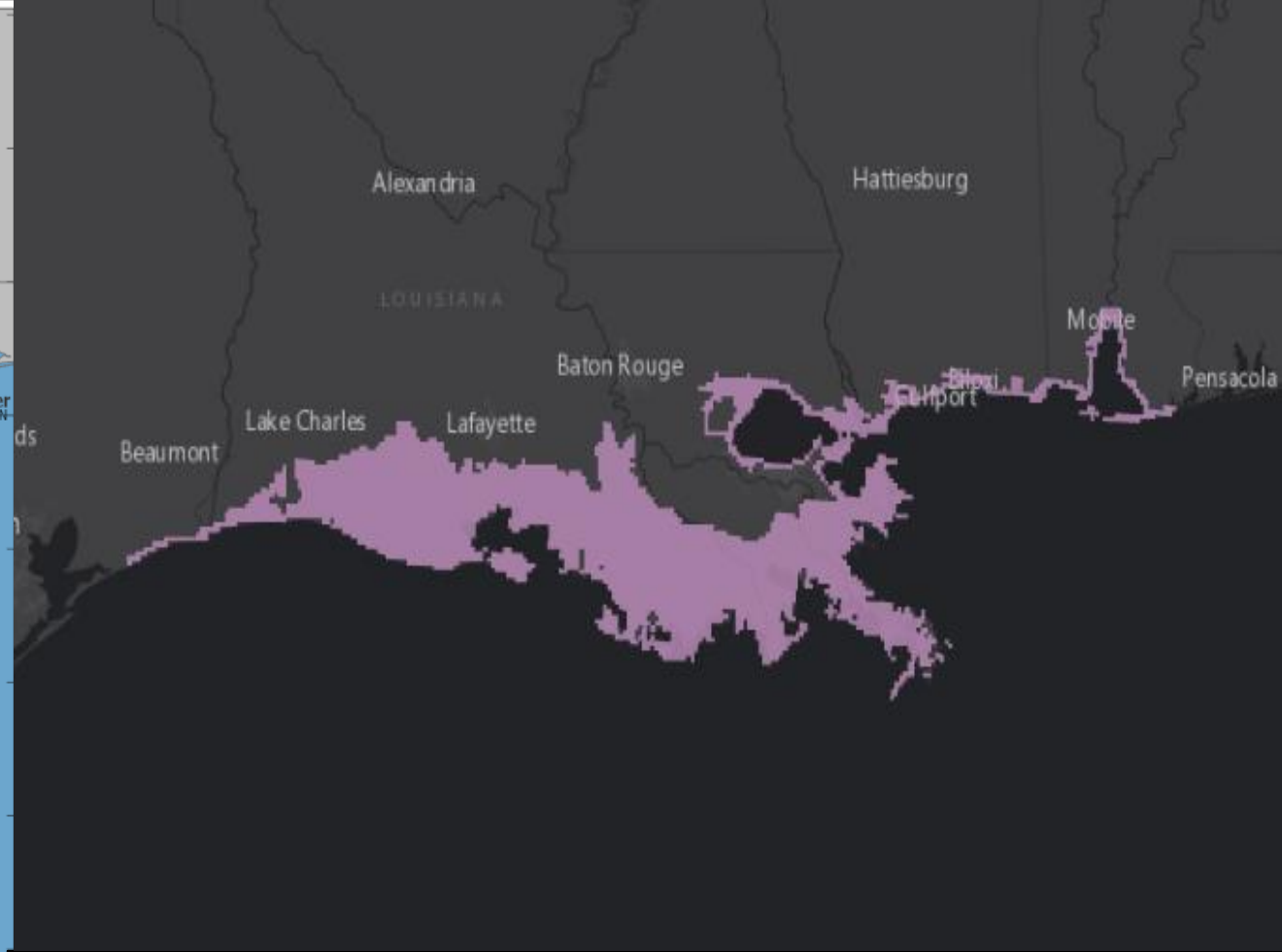
## Hurricane Delta



**Storm surge of 1-2' cannot be ruled out in the Florida Panhandle**

Hurricane Delta  
Wednesday October 07, 2020  
04 PM CDT Advisory 13  
NWS National Hurricane Center

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 within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.



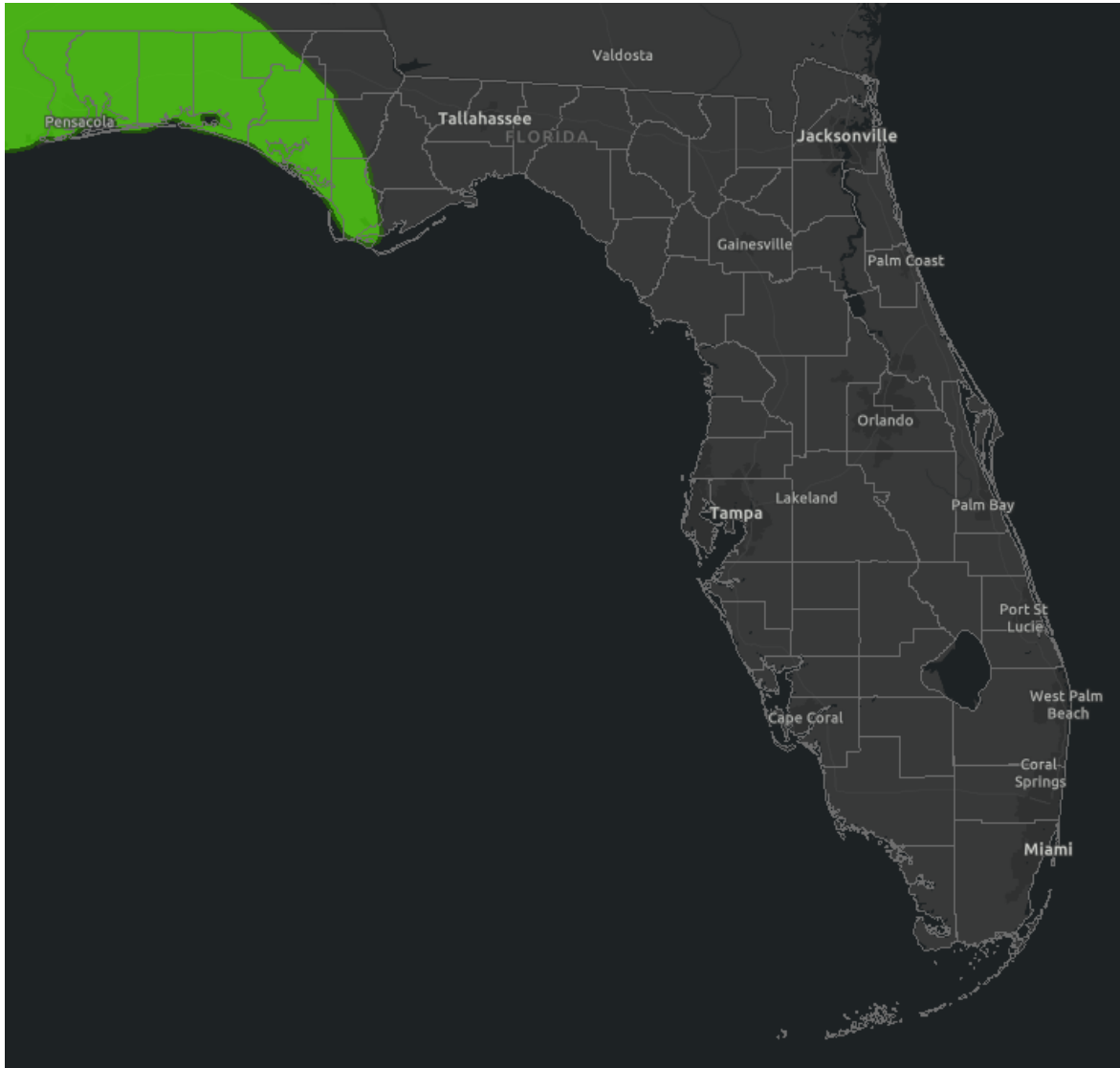
**Storm Surge Watch**  
**None for Florida**











# Flash Flood Outlook for Thursday

From the Weather Prediction Center ([LINK](#))



- Additional moisture from Delta could enhance showers and storms. Some of the heavier rain could produce localized street and urban flooding.

## Understanding WPC Excessive Rainfall Risk Categories

| No Area/Label  | MARGINAL (MRGL)  | SLIGHT (SLGT)   | MODERATE (MDT)  | HIGH (HIGH)  |
|--|--|---|---|--|
| Flash floods are generally not expected.   | Isolated flash floods possible   | Scattered flash floods possible   | Numerous flash floods likely  | Widespread flash floods expected   |
| <a href="http://www.wpc.ncep.noaa.gov">@NWSWPC</a>   | Localized and primarily affecting places that can experience rapid runoff with heavy rainfall. | Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible. | Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers. | Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger. |
| Flash flooding near me?  | Flash Flooding   | Flash Flooding  | Flash Flooding  | Flash Flooding   |
| NO Flash Flooding  |  |   |   |  |
|  <br>WEATHER PREDICTION CENTER |           |    |    |   |

Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line

**HIGH: > 50%**

**SLGT: 10%-20%**

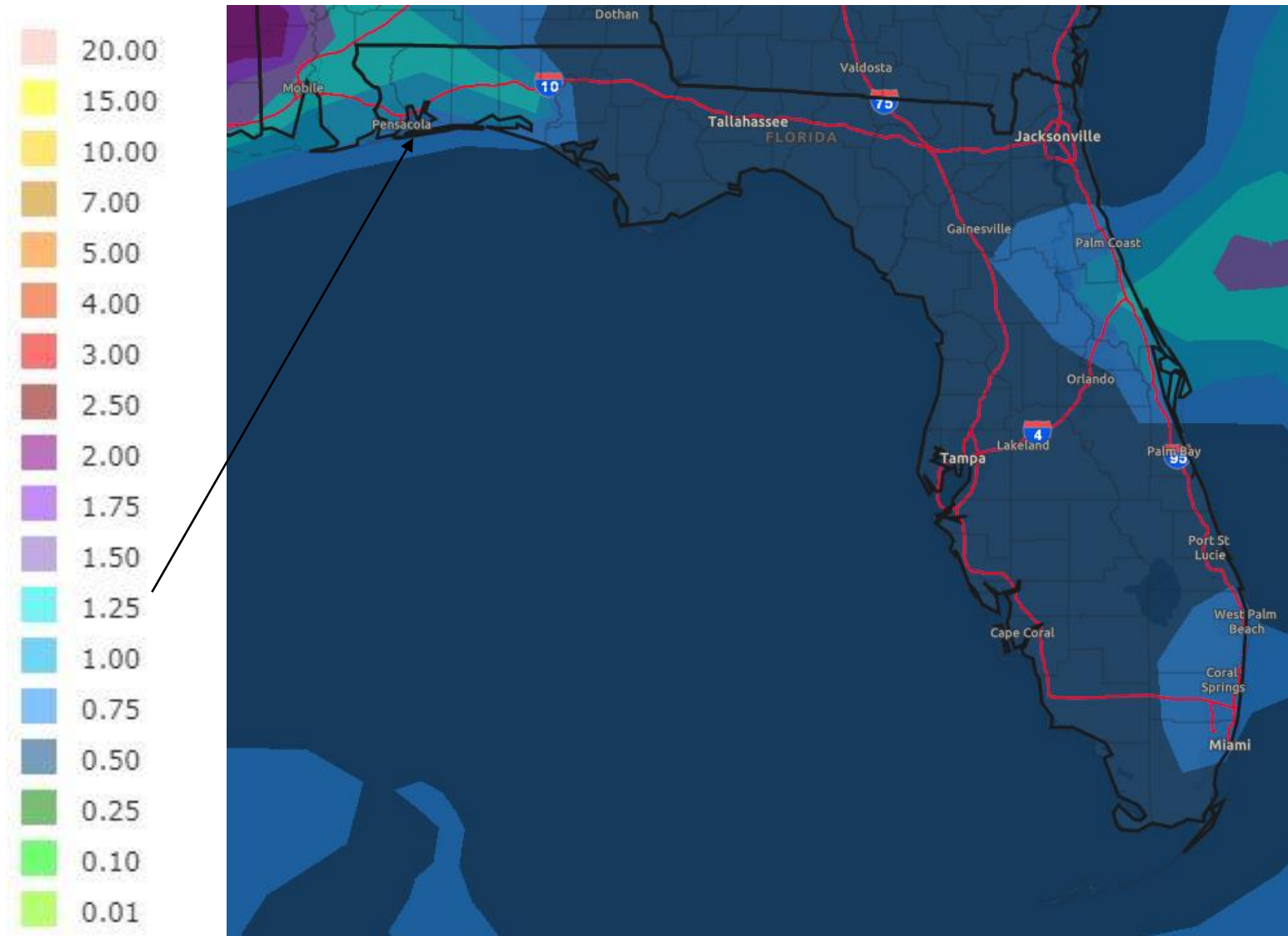
**MDT: 20%-50%**

**MRGL: 5%-10%**



# Rainfall Totals Next 7 Days

**\*Will Change Based on Track Shifts – Based on Perfect Forecast into LA – Locally Higher Totals\***



- Locally heavy rainfall in the Peninsula each afternoon.
- Heavy rainfall is possible Friday-Saturday in the western Florida Panhandle as Delta makes landfall and moves inland across Mississippi and Alabama (1-2").





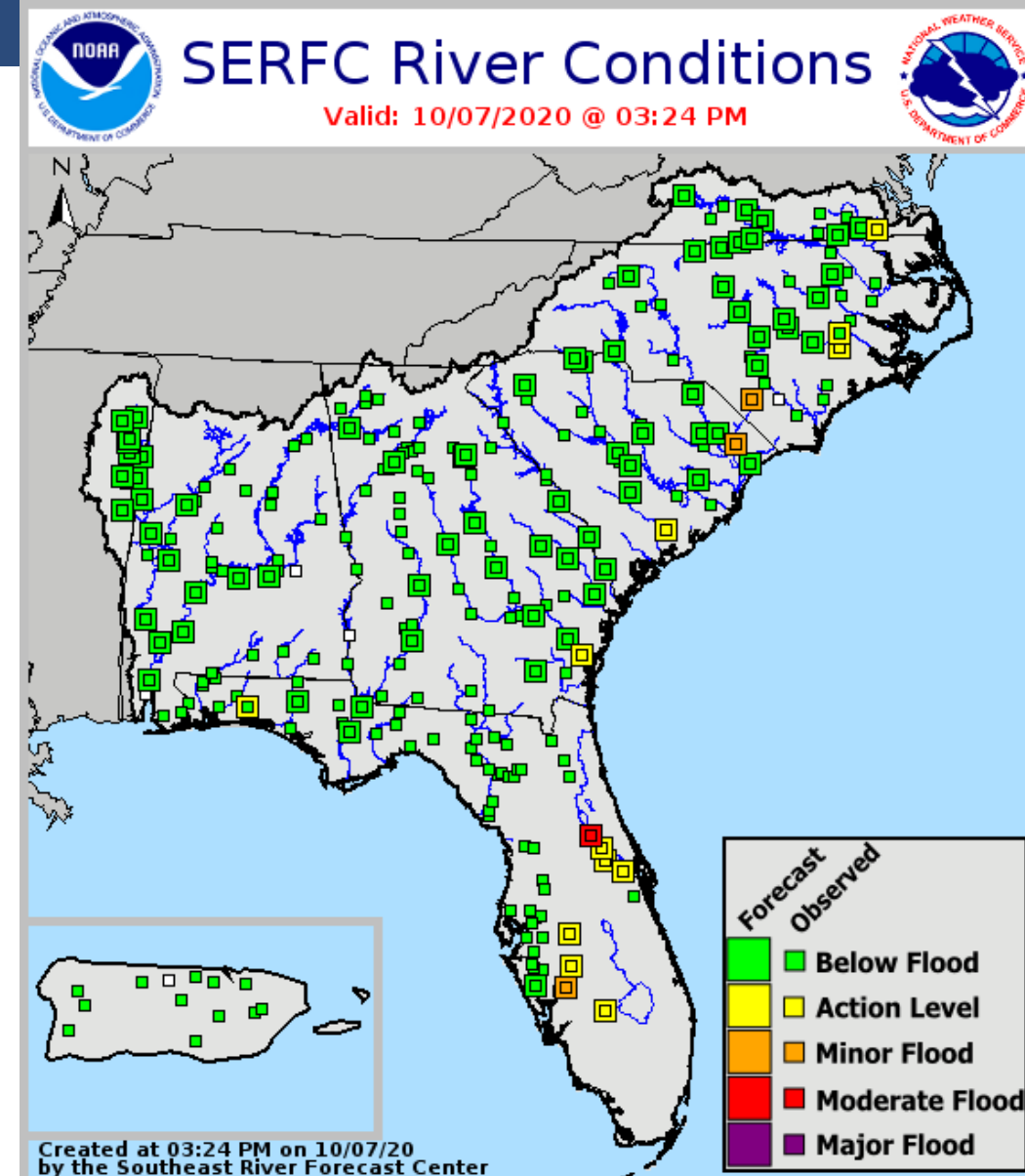
# Current & Forecast River Flooding

## Southeast River Forecast Center

### Rivers Currently in or Forecast to Reach Flood Stage:

- [St. Johns River at Astor](#)- **Moderate**
- [Peace River at Arcadia](#)- **Minor**
- **Minor coastal flooding** at high tide in Northeast Florida, including the tidal St. Johns River and its tributaries.
- Additional river flooding is not forecast in the Peninsula from forecast rainfall totals.
- If heavier rainfall occurs, minor river flooding may occur in the western Panhandle.

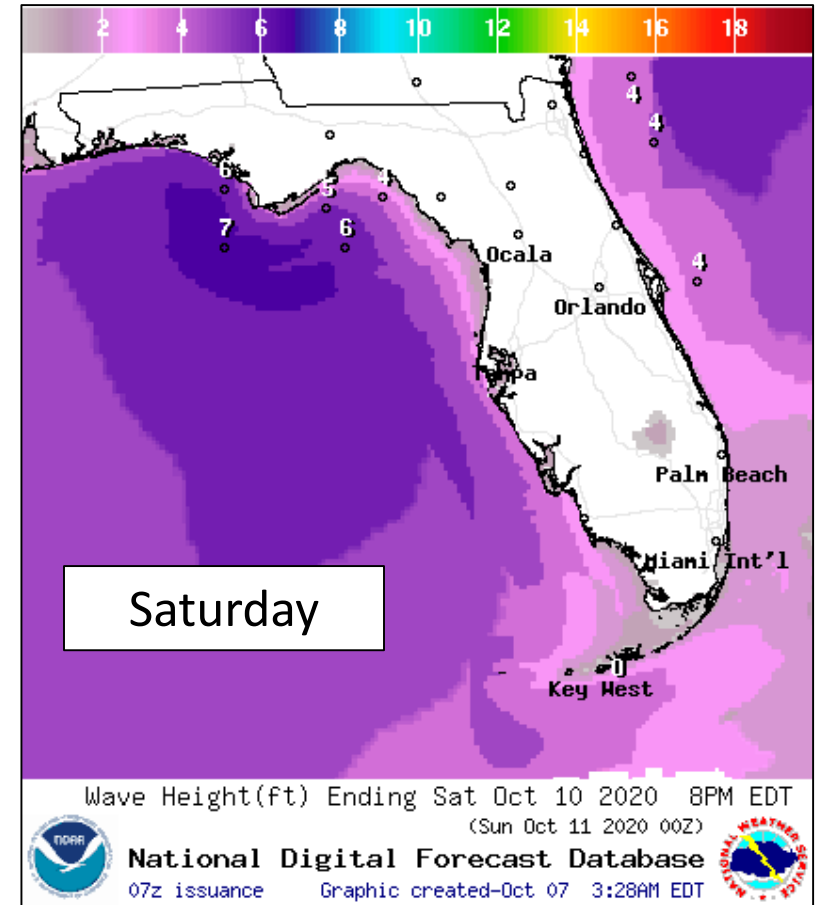
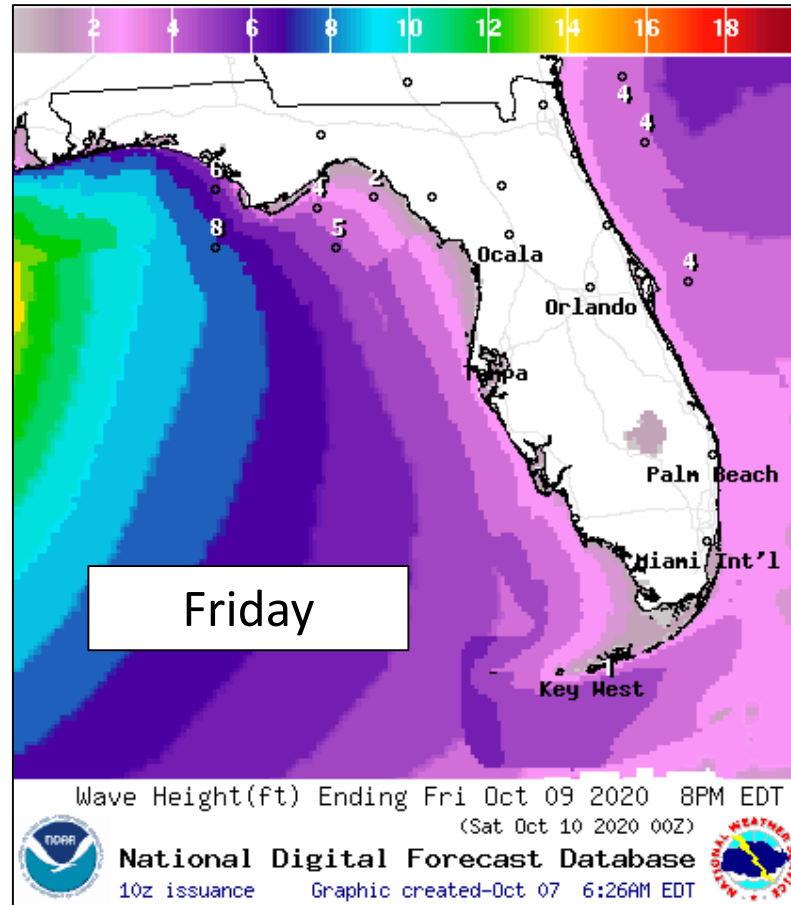
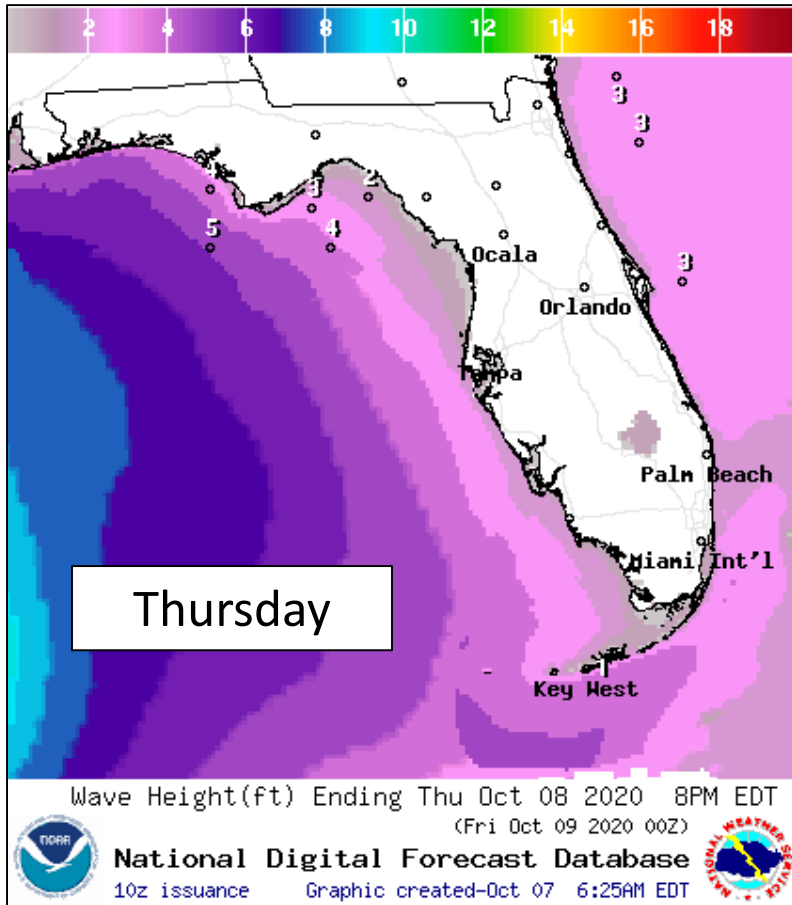
More details on river levels available at the [Southeast River Forecast Center website](#).





# Forecast Wave Heights

## Late Week – Hurricane Delta



Wave heights will increase in the Gulf of Mexico starting on Thursday from Delta, reaching 6-10' in the Panhandle this weekend. High surf will create beach erosion and minor coastal flooding, particularly in locations that experienced significant beach/dune damage from Hurricane Sally a few weeks ago. Swells will also impact the West Coast this weekend.

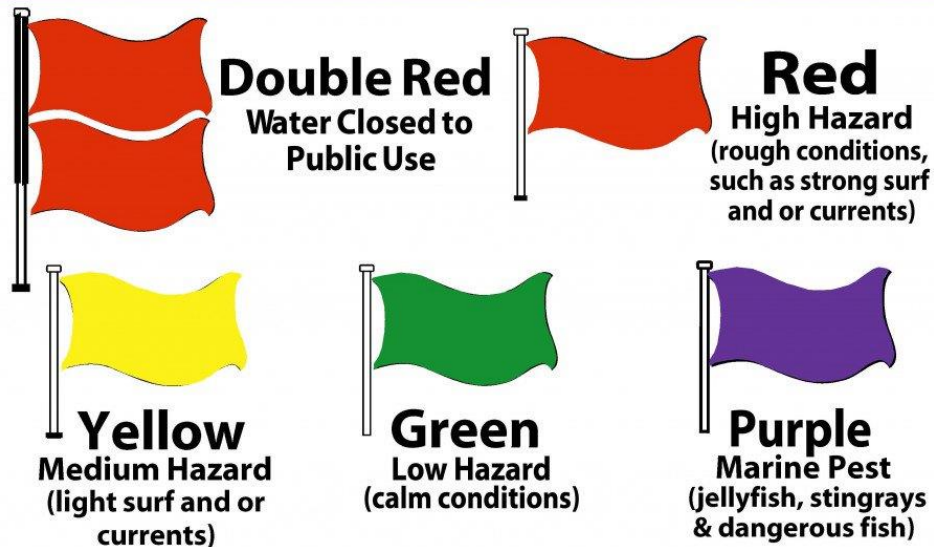




# Rip Current Outlook

Today

## BEACH FLAG WARNING SYSTEM



Swells from Delta along the Gulf Coast and breezy northeast winds along the East Coast will elevate the rip current risk this week.





# Tropical Weather Outlook

Possible Areas of Development During the Next 5 Days ([LINK](#))



## 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





# Florida Outlook

## Florida Outlook:

- **The track forecast remains centered on Louisiana. However, some direct impacts to the Florida Panhandle could still be possible later this week from Delta, and the forecast should continue to be monitored closely.**
- While confidence is highest and there has been consistency on a Louisiana landfall, the average track error at Day 3 is ~110 miles and the forecast cone takes this into account.
- A landfall in southeastern Louisiana would be needed to bring more significant impacts to the Panhandle.
- Changes in the track forecast are possible over the next couple of days as Delta moves over the Yucatan, interacts with a cold front and wind shear, and experiences rapid changes in intensity.
- Swells from Delta will result in a high rip current risk at Gulf Coast beaches into this weekend.
- High surf of 6-10' in the Panhandle may result in significant beach erosion and some overwash in locations with damaged dune lines from recent Hurricane Sally. High Surf Advisories are in effect for Escambia, Santa Rosa, and Okaloosa Counties.
- 1-2' of storm surge is possible along the Florida Panhandle. Coastal Flood Advisories could be issued over the next day or so.
- About 1-2" widespread is expected along the Panhandle, locally up to 4" possible in the heavier rain bands.
- Isolated tornadoes are possible in the outer bands Friday night into Saturday.
- Wind gusts of 20-30 mph cannot be ruled out along the western Panhandle coast.

The next briefing packet will be issued Thursday morning with the 8AM advisory. For the latest information on the tropics, please visit the National Hurricane Center website at [www.hurricanes.gov](http://www.hurricanes.gov).



# TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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