



TROPICAL UPDATE



10 AM EDT

Thursday, July 11, 2019

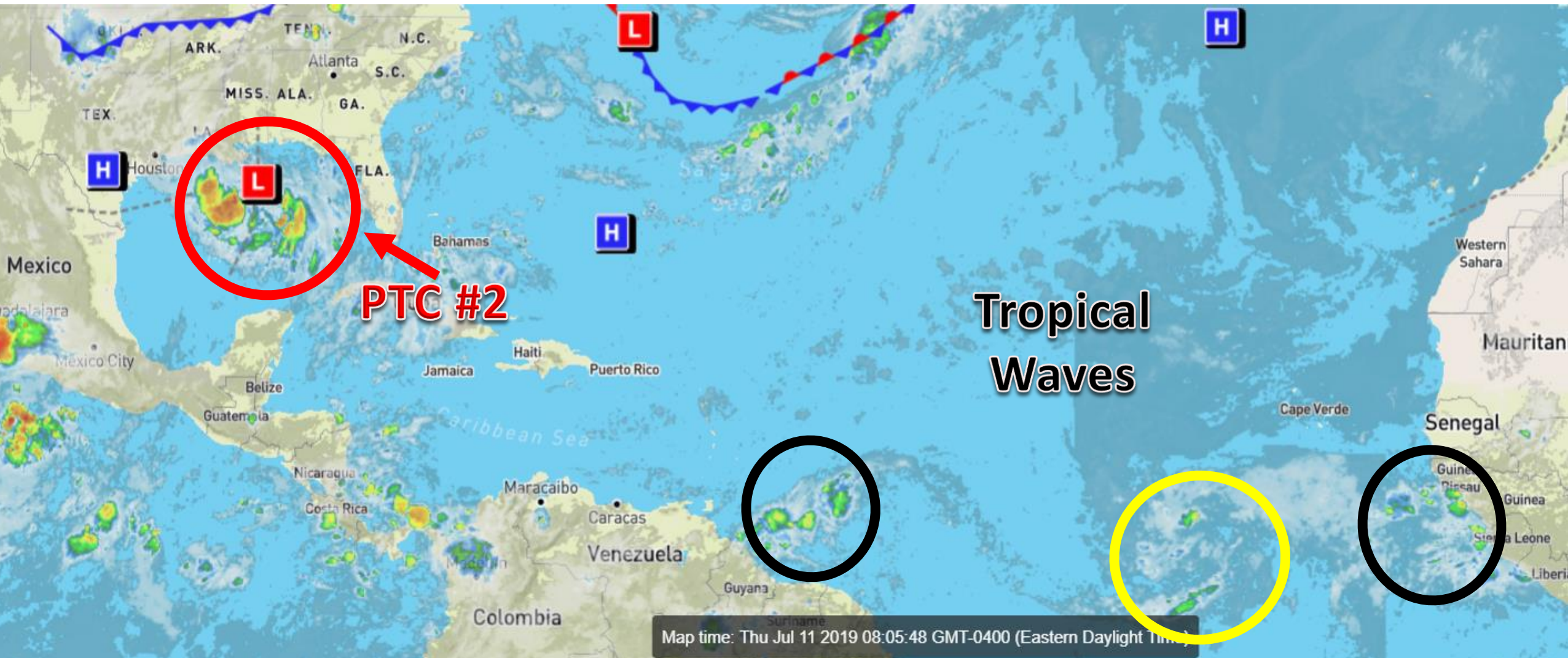
Potential Tropical Cyclone #2 &

Invest 93L (10%)

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.

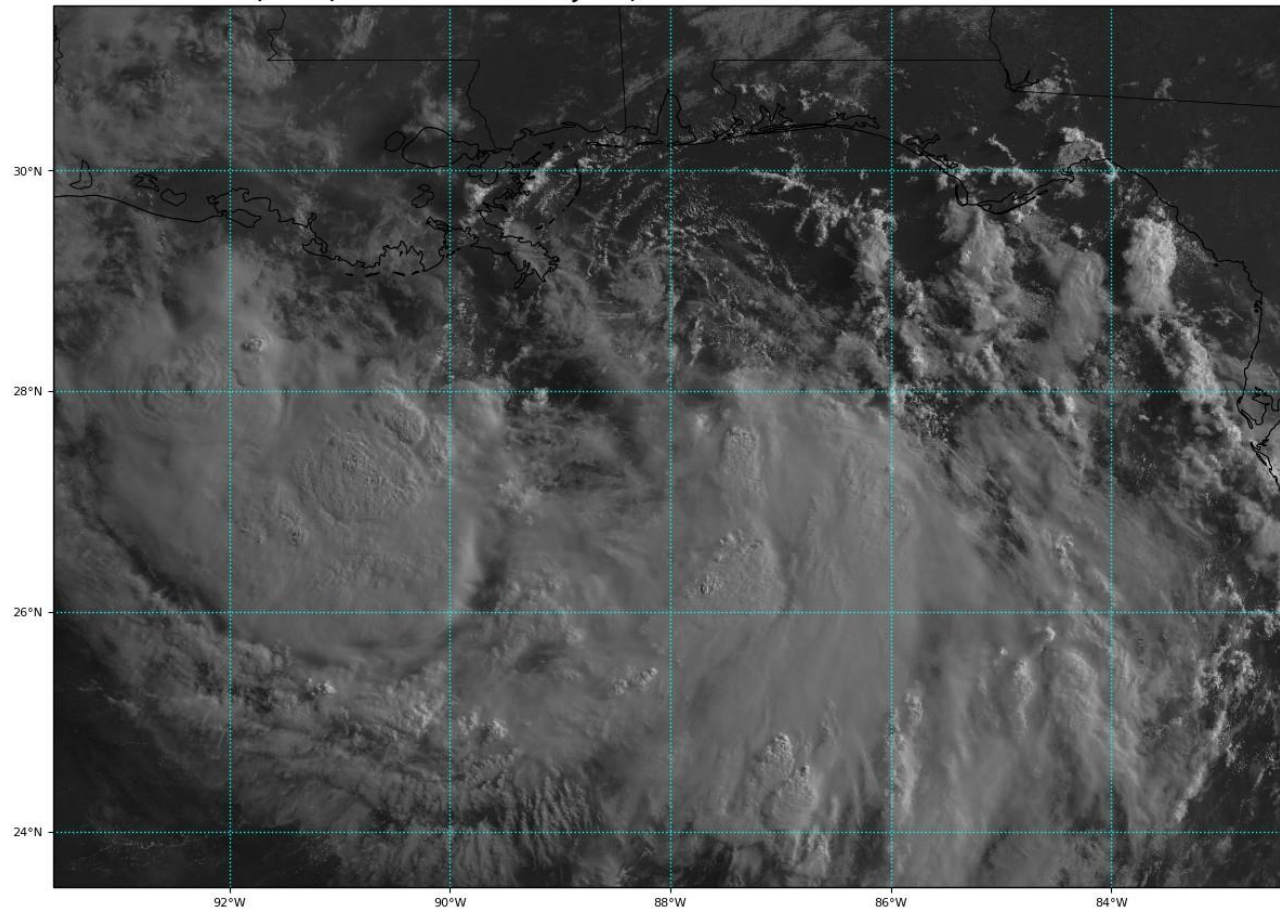
Atlantic Basin Satellite Image

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



GOES-16 Channel 2 (visible) Reflectance at 12:17Z Jul 11, 2019

TROPICALTIDBITS.COM

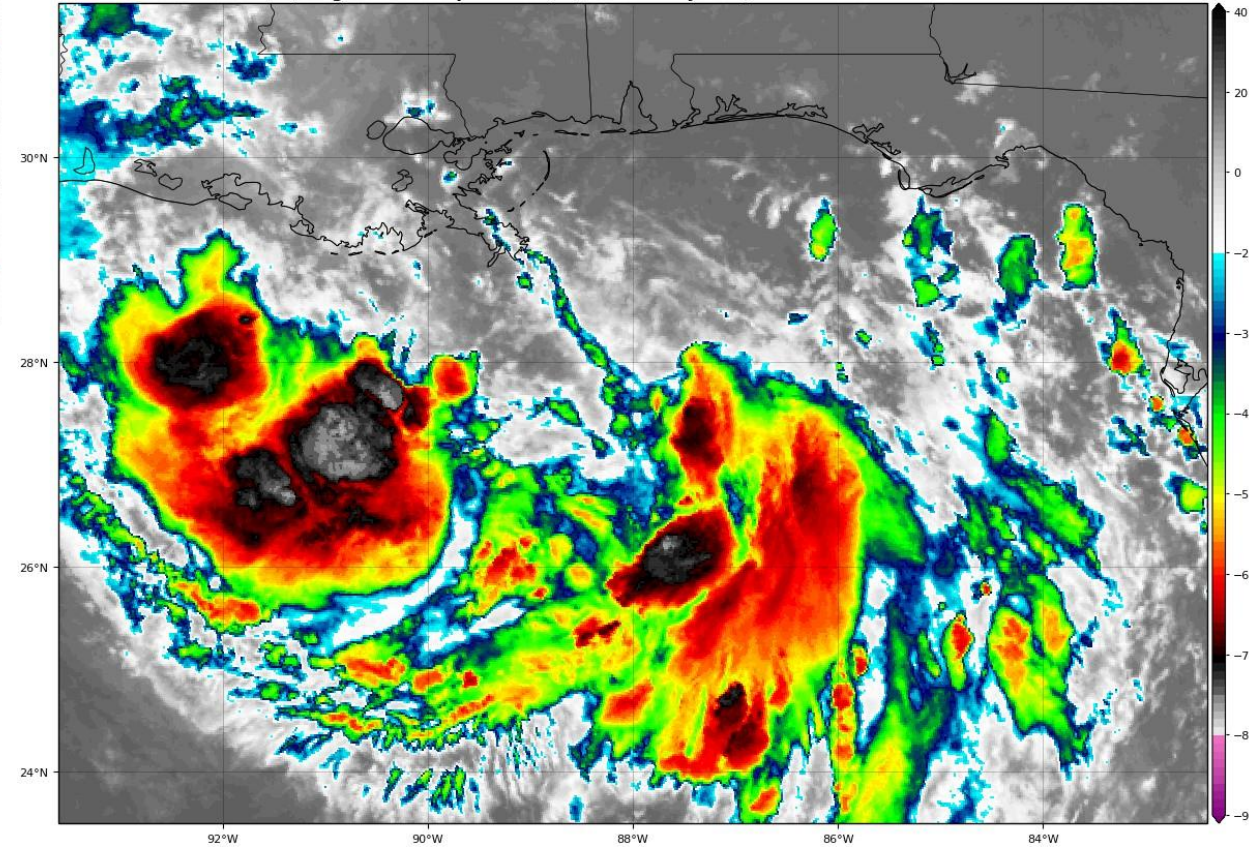


Potential Tropical Cyclone #2 remains somewhat disorganized, but additional organization is expected later today or tonight.

PTC #2 Satellite Images

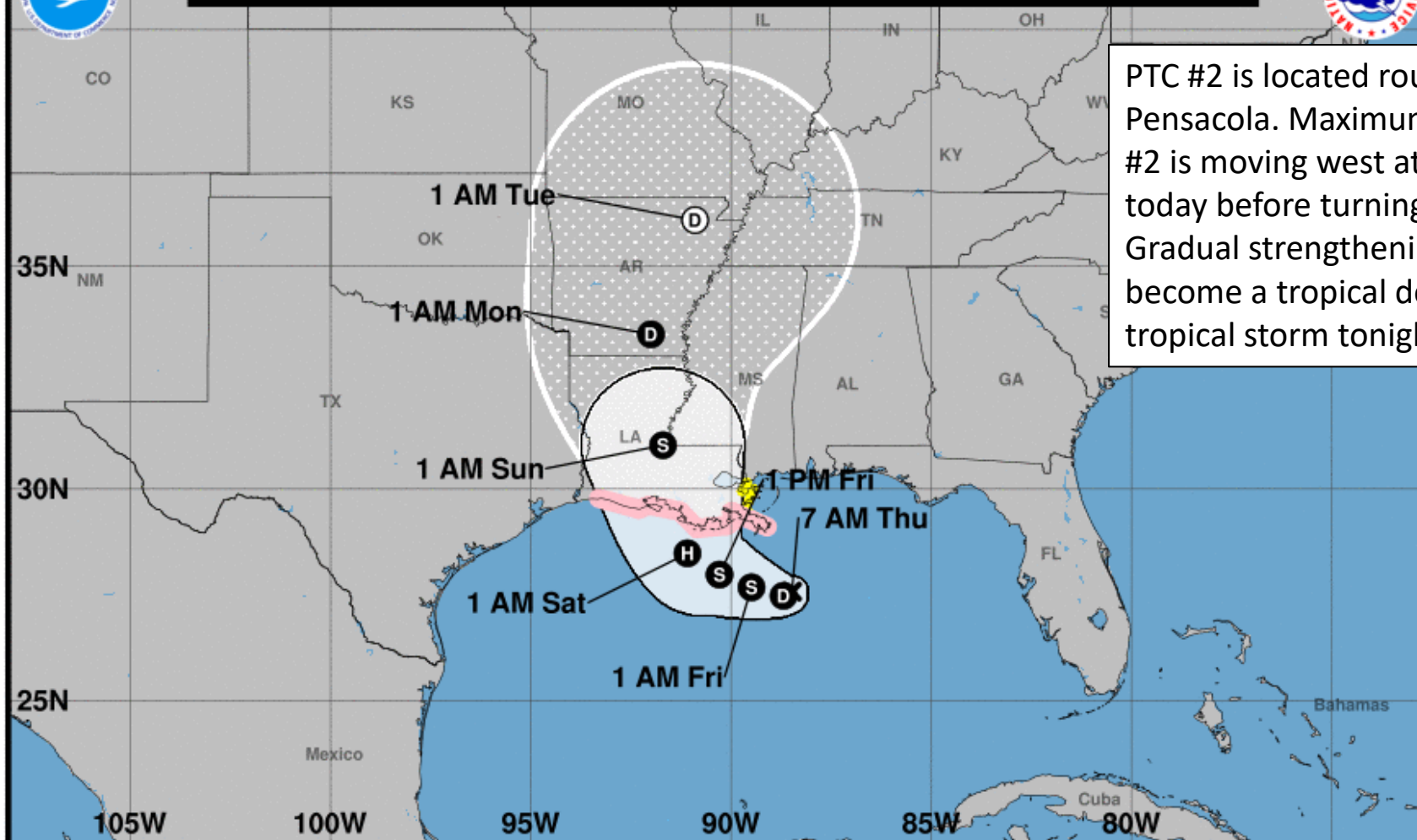
GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 12:17Z Jul 11, 2019

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Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



PTC #2 is located roughly 210 miles south-southwest of Pensacola. Maximum sustained winds are near 35 mph. PTC #2 is moving west at 8 mph, and this movement will continue today before turning north or northwestward on Friday. Gradual strengthening is expected, and it is expected to become a tropical depression today. PTC #2 could become a tropical storm tonight and a hurricane late Friday or Saturday.

Potential Tropical Cyclone Two Thursday July 11, 2019 7 AM CDT Intermediate Advisory 4A NWS National Hurricane Center	Current information: x Center location 27.6 N 88.5 W Maximum sustained wind 35 mph Movement W at 5 mph	Forecast positions: ● Tropical Cyclone ○ Post/Potential TC Sustained winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110 mph	
Potential track area: Day 1-3 Day 4-5	Watches: Hurricane Trop Stm	Warnings: Hurricane Trop Stm	Current wind extent: Hurricane Trop Stm

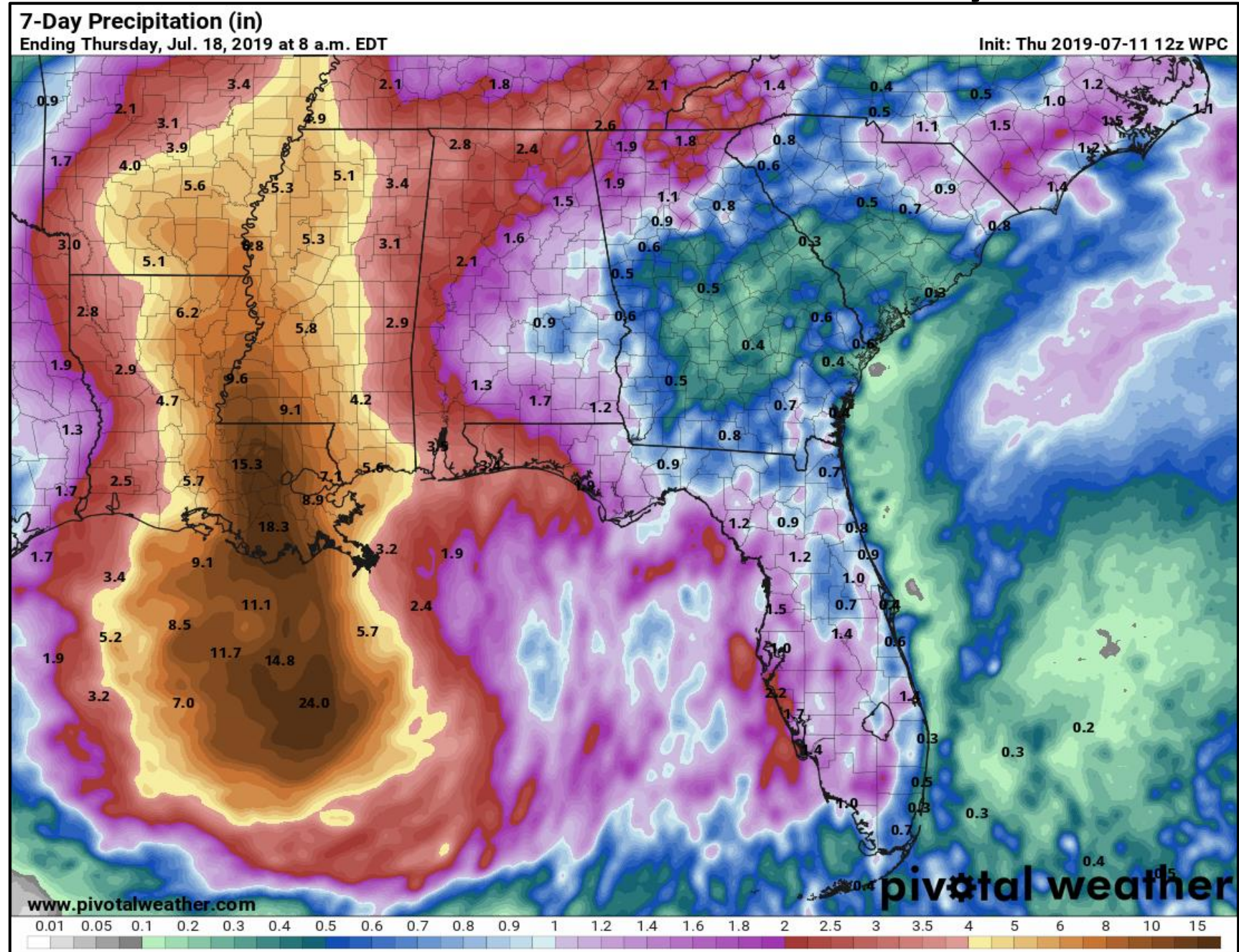
Cumulative Rainfall Total Next 7-Days

A widespread 1-3" is expected across much of the state this week. Rainfall totals of 3-5" are possible in the Panhandle with any outer bands.

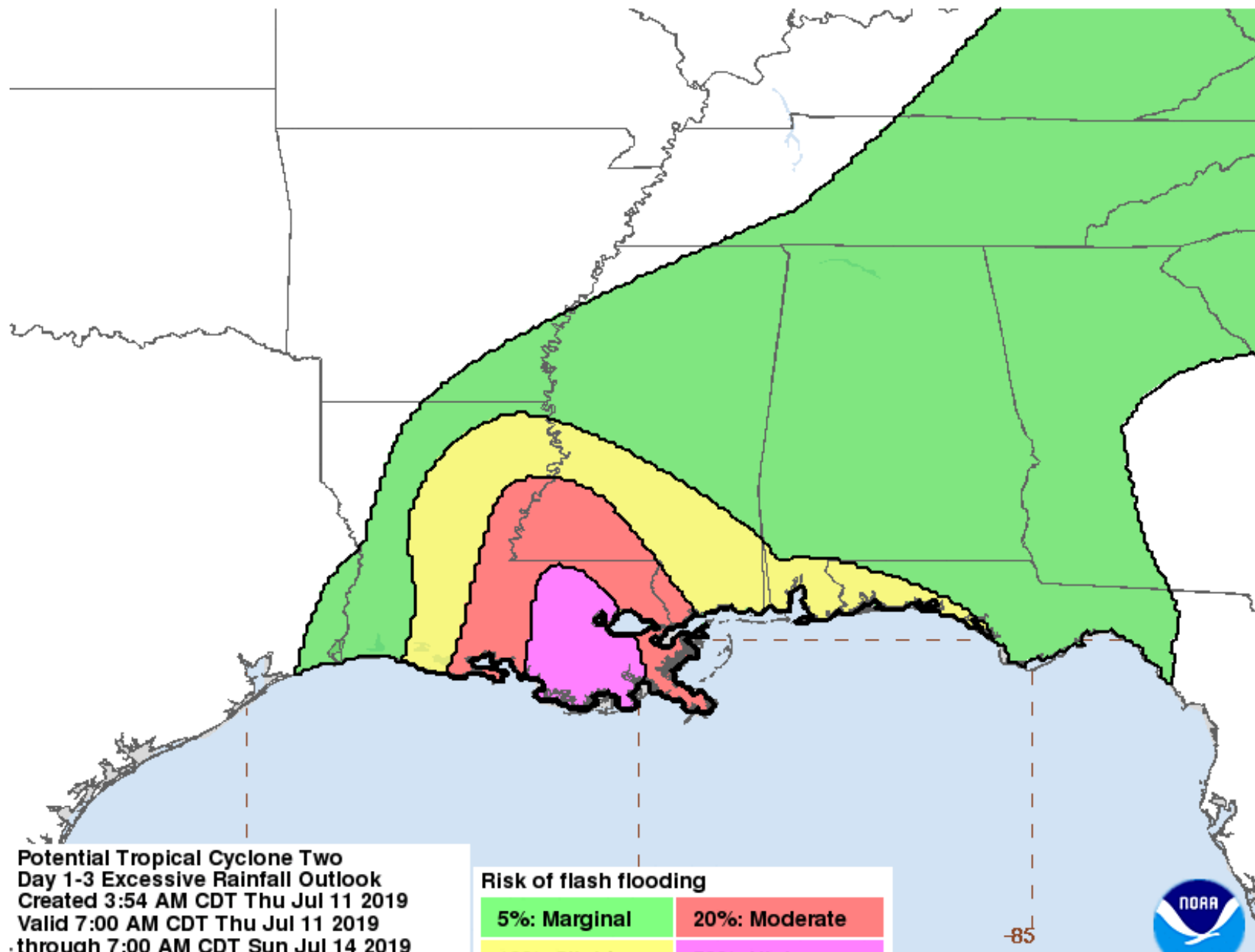
***THIS DOES NOT INCLUDE
LOCALLY HIGHER TOTALS*
which could be as high as 6+"
along the Gulf Coast**

Higher rainfall totals may occur in the western Panhandle should the forecast track shift significantly eastward.

All Florida rivers are well below flood stage. Drought conditions continue across inland Northwest Florida.



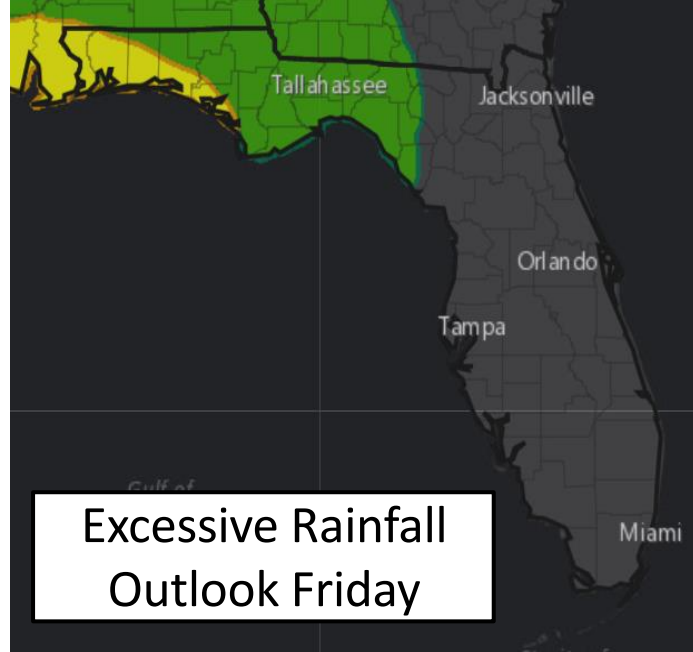
Greatest Flash Flood Risk Over the Next 3 Days









Day 1 Through Friday morning

Day 2 Through Saturday morning

Day 3 Through Sunday morning



Understanding WPC Excessive Rainfall Risk Categories

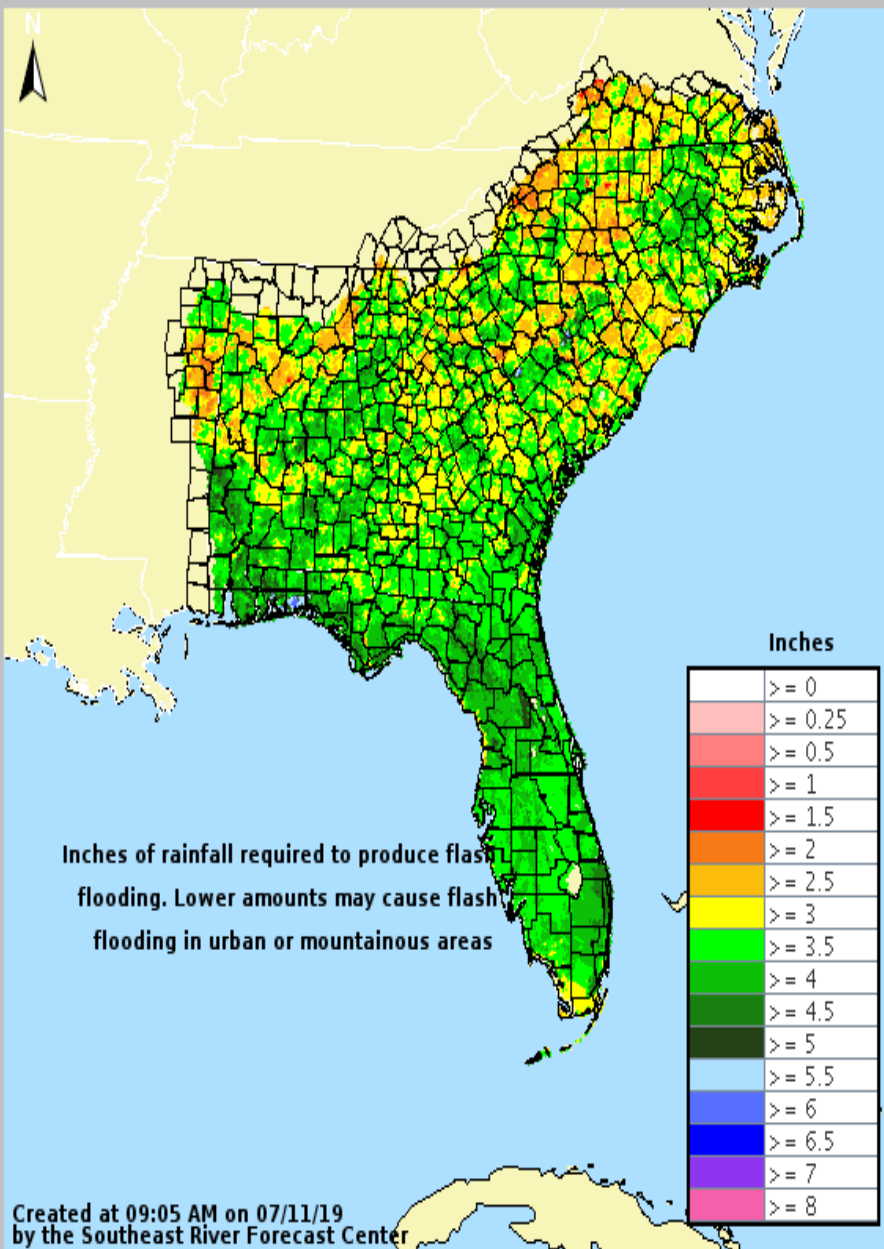
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
Flash floods are generally not expected.	Localized and primarily 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.
www.wpc.ncep.noaa.gov @NWSWPC				
Flash flooding near me?	Flash Flooding			
	NO Flash Flooding			
  WEATHER PREDICTION CENTER				

- There is a marginal risk of excessive rainfall that could lead to some isolated flash flooding along the Gulf Coast
- Marginal flooding risks continue across parts of North Florida through the rest of this week. Depending on the track, the heavy rain threat could continue this weekend.



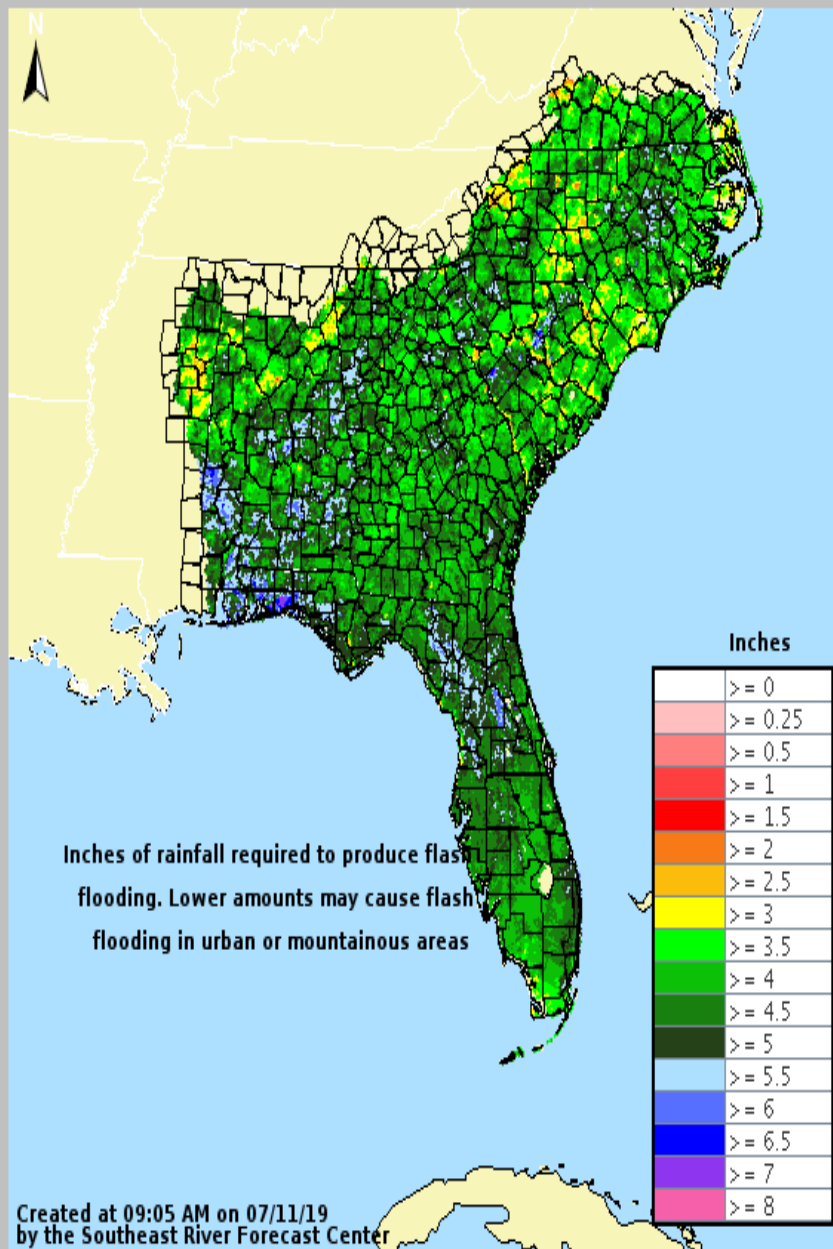
3-hr Flash Flood Guidance

Valid: 07/11/2019 @ 09:05 AM



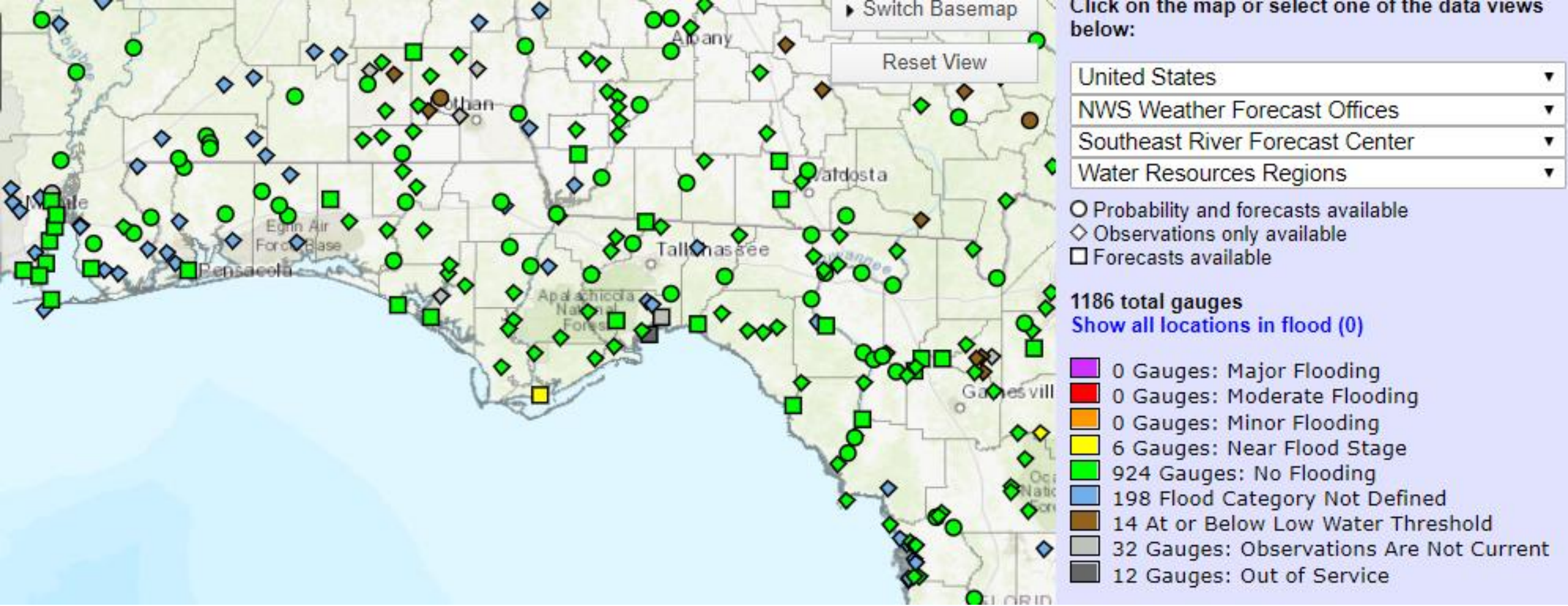
6-hr Flash Flood Guidance

Valid: 07/11/2019 @ 09:05 AM



Flash Flood Potential Markers

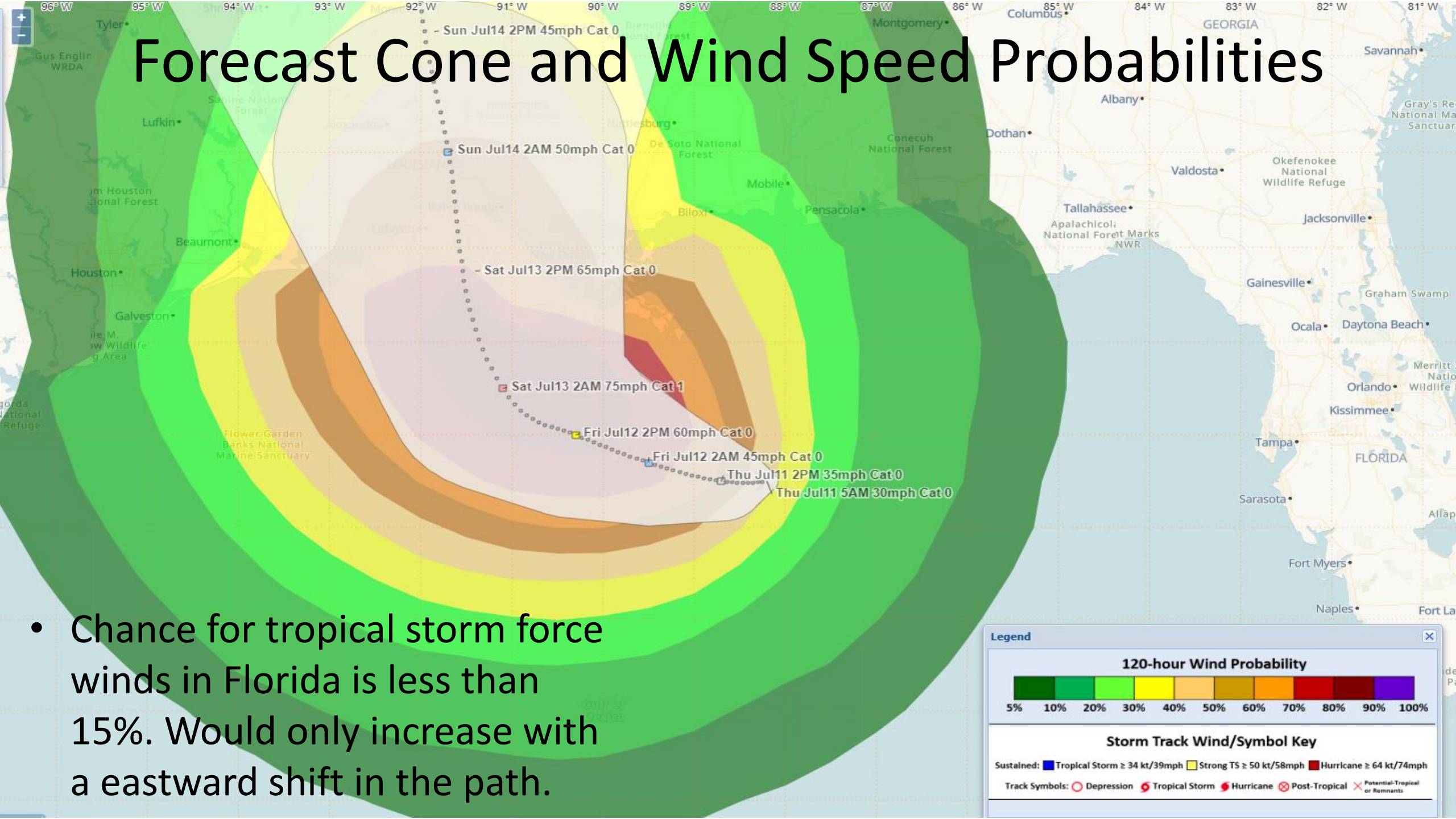
- In general, flash flooding could occur in the Panhandle if heavy rain in excess of 3-5" occurs in a short amount of time or 5-8" within a 24 hour period.



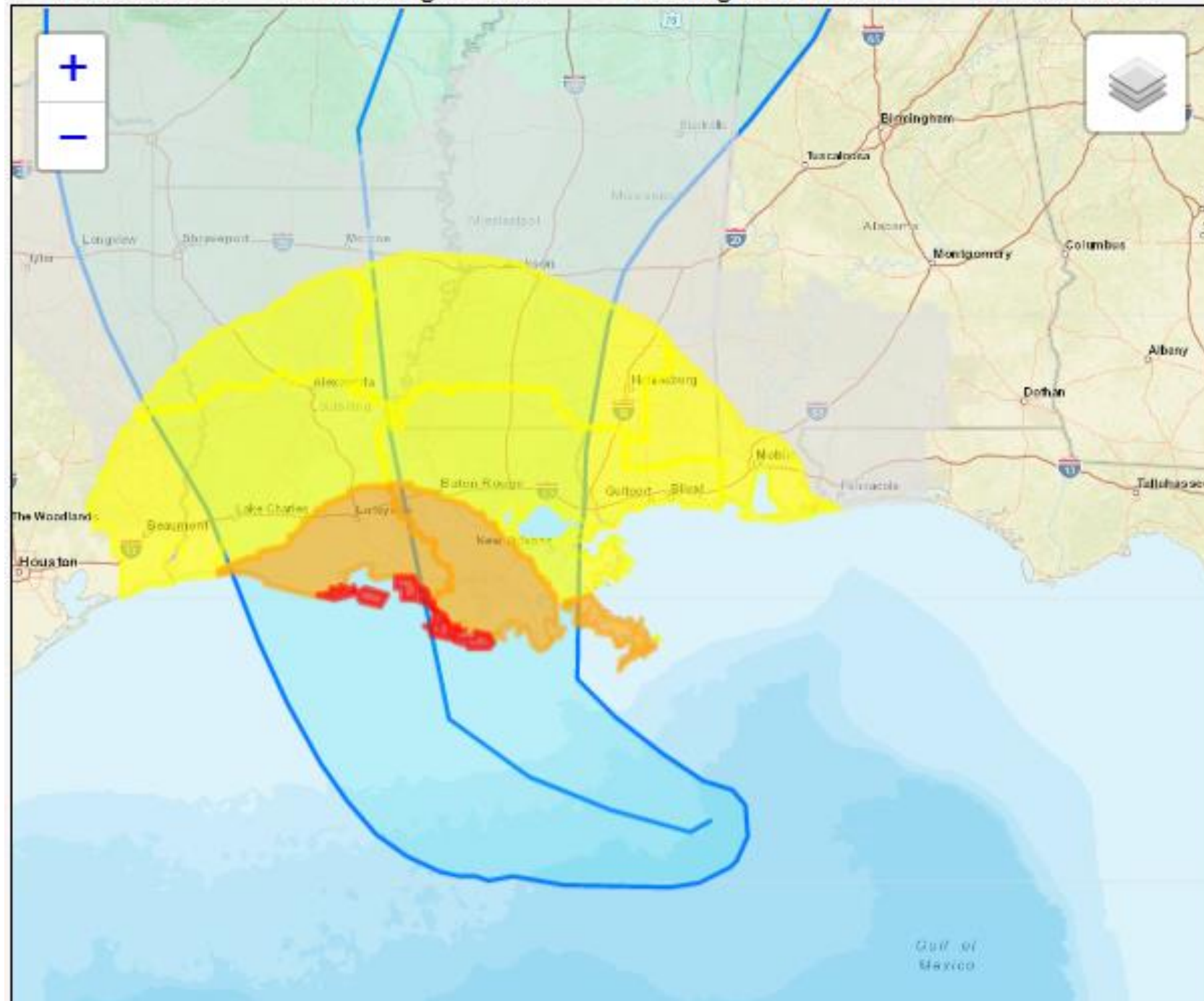
Panhandle rivers are currently at low flow and have the capacity to absorb 3-4" of runoff on average. However, if any drainage basing were to receive more than 5-8", some minor river flooding could be possible.

Forecast Cone and Wind Speed Probabilities

- Chance for tropical storm force winds in Florida is less than 15%. Would only increase with a eastward shift in the path.



● Wind Threat ● Storm Surge Threat ● Flooding Rain Threat ● Tornado Threat



NWS Threat/Impact Graphics

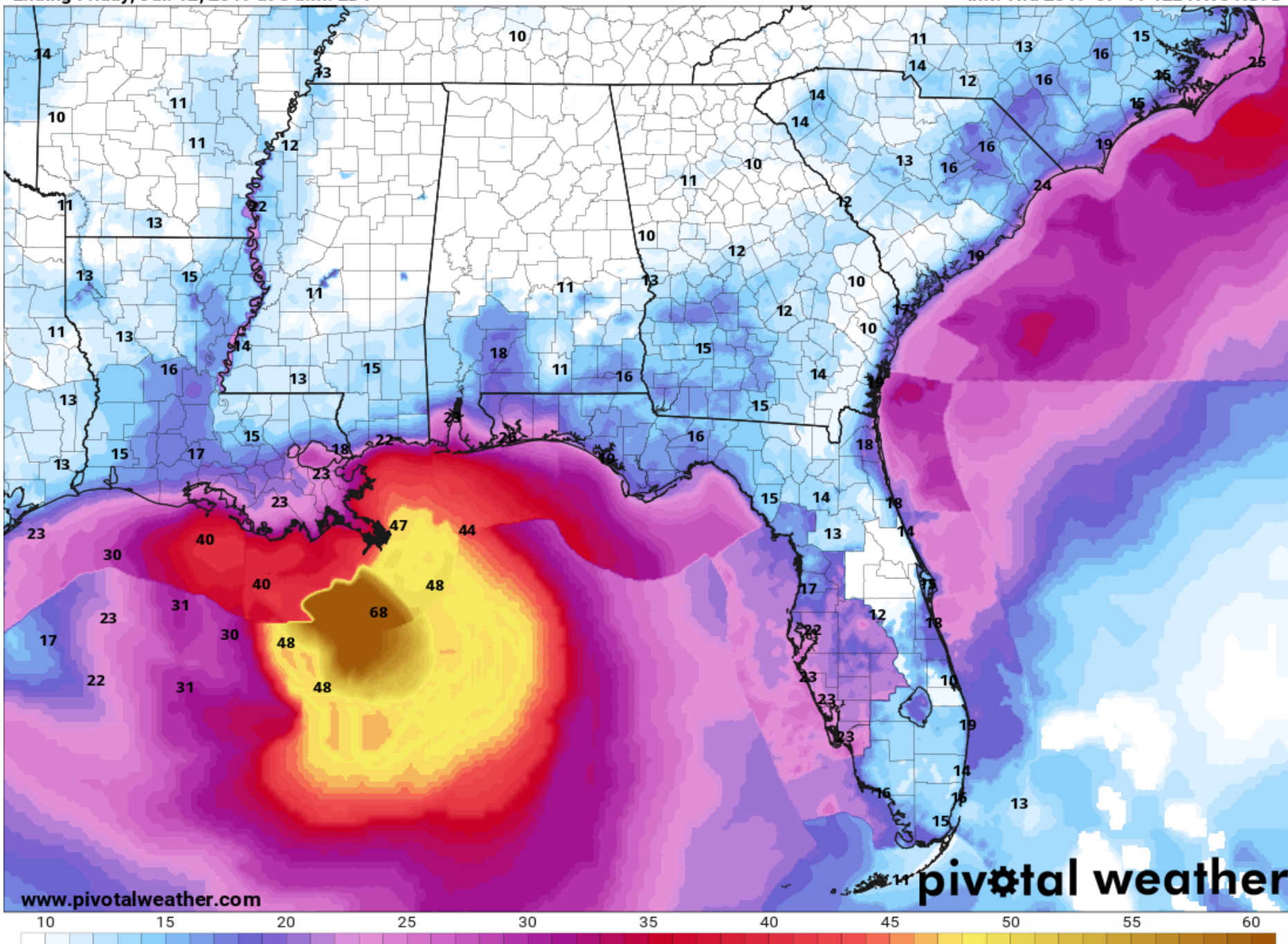
- Low: Threat for potential wind 39-57mph.

Potential Impacts Include:

- *Damage to porches, awnings, carports, sheds, and unanchored objects.
- *Tree limbs broken off.
- *Isolated power and communications outages.

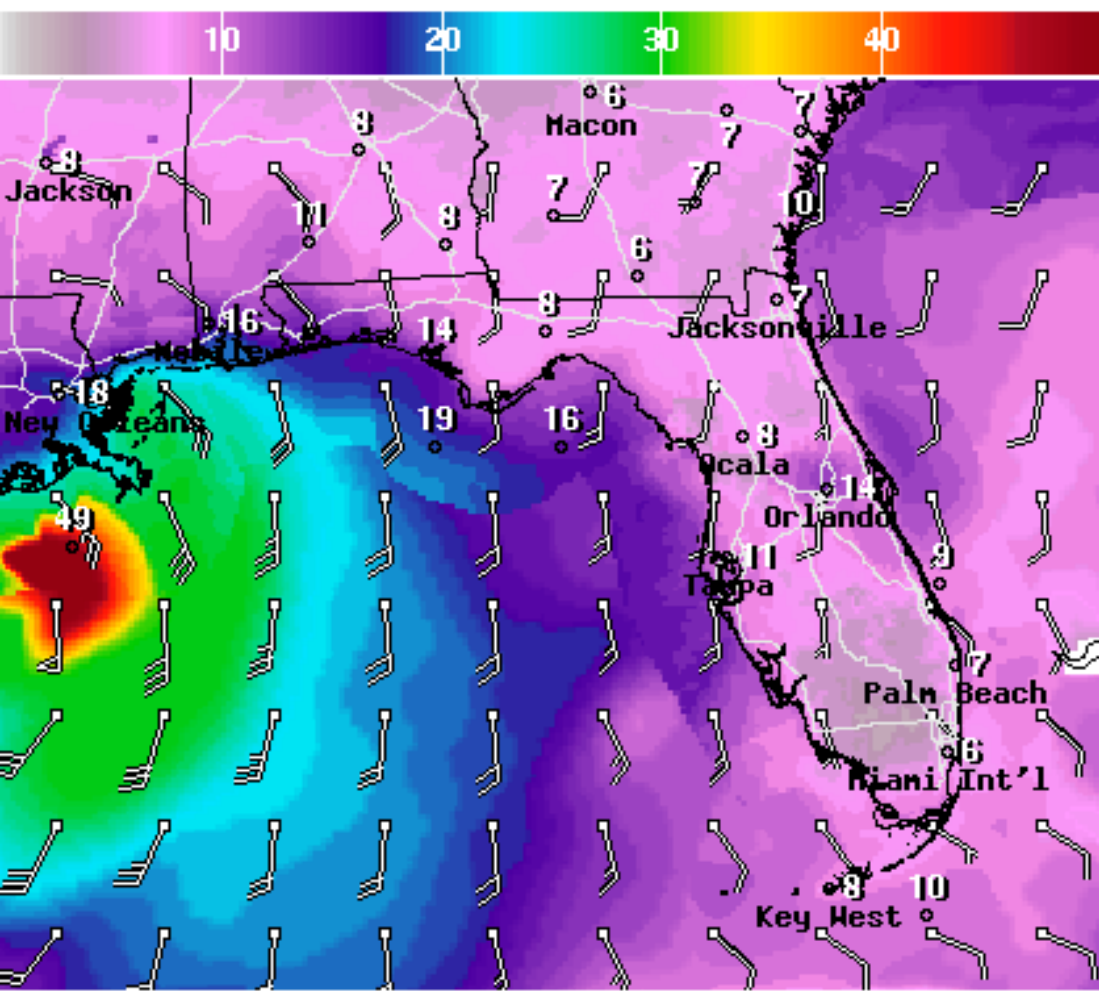
24-hr Max Wind Gusts (mph)
Ending Friday, Jul. 12, 2019 at 8 a.m. EDT

Init: Thu 2019-07-11 12z NWS NDFD



Forecast
Max
Wind
Gusts
Today

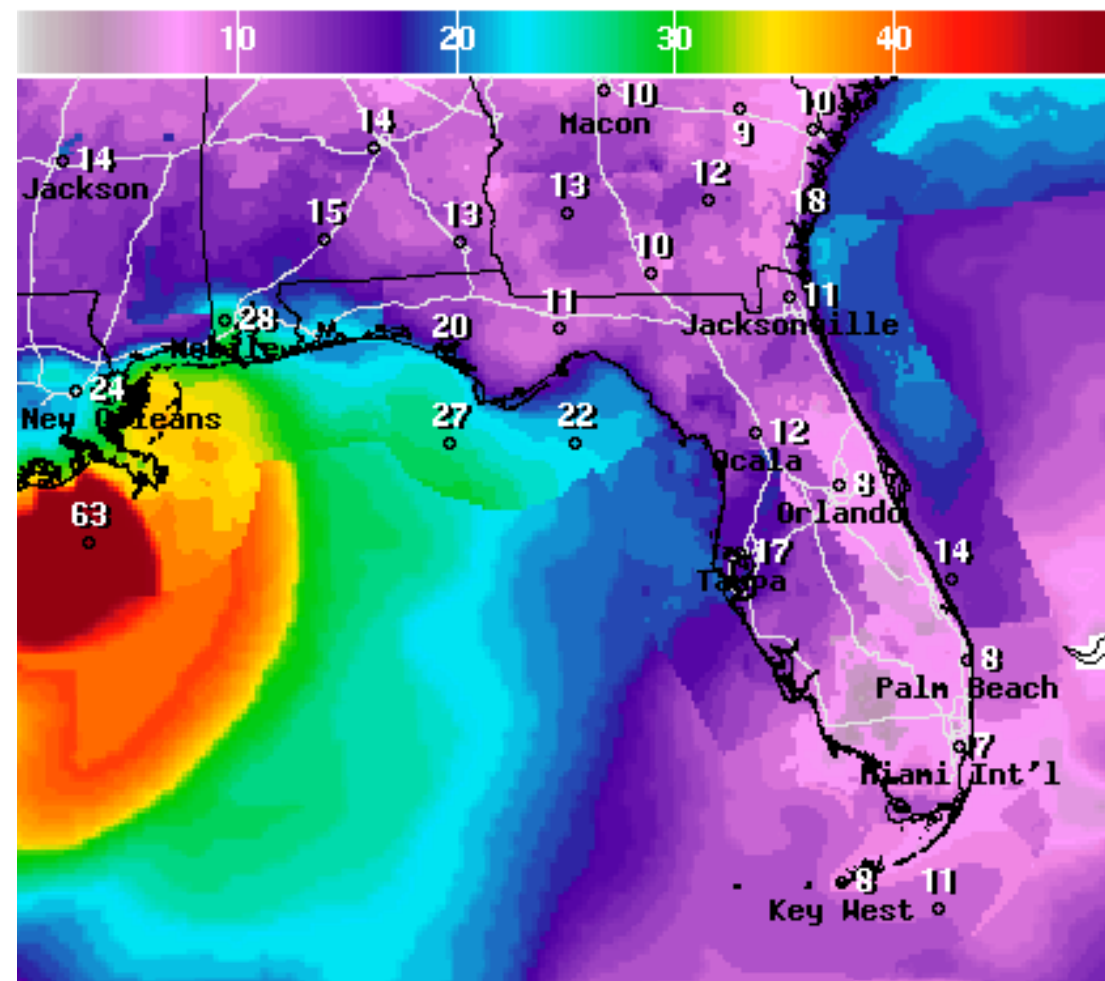
Forecast Sustained Wind Speeds and Gusts for Friday



WindSpd(Kts) & WindDir For Fri Jul 12 2019 2PM EDT

(Fri Jul 12 2019 18Z)

Sustained winds for the Panhandle should be in the 10-20mph range, with some gusts to 25-30mph



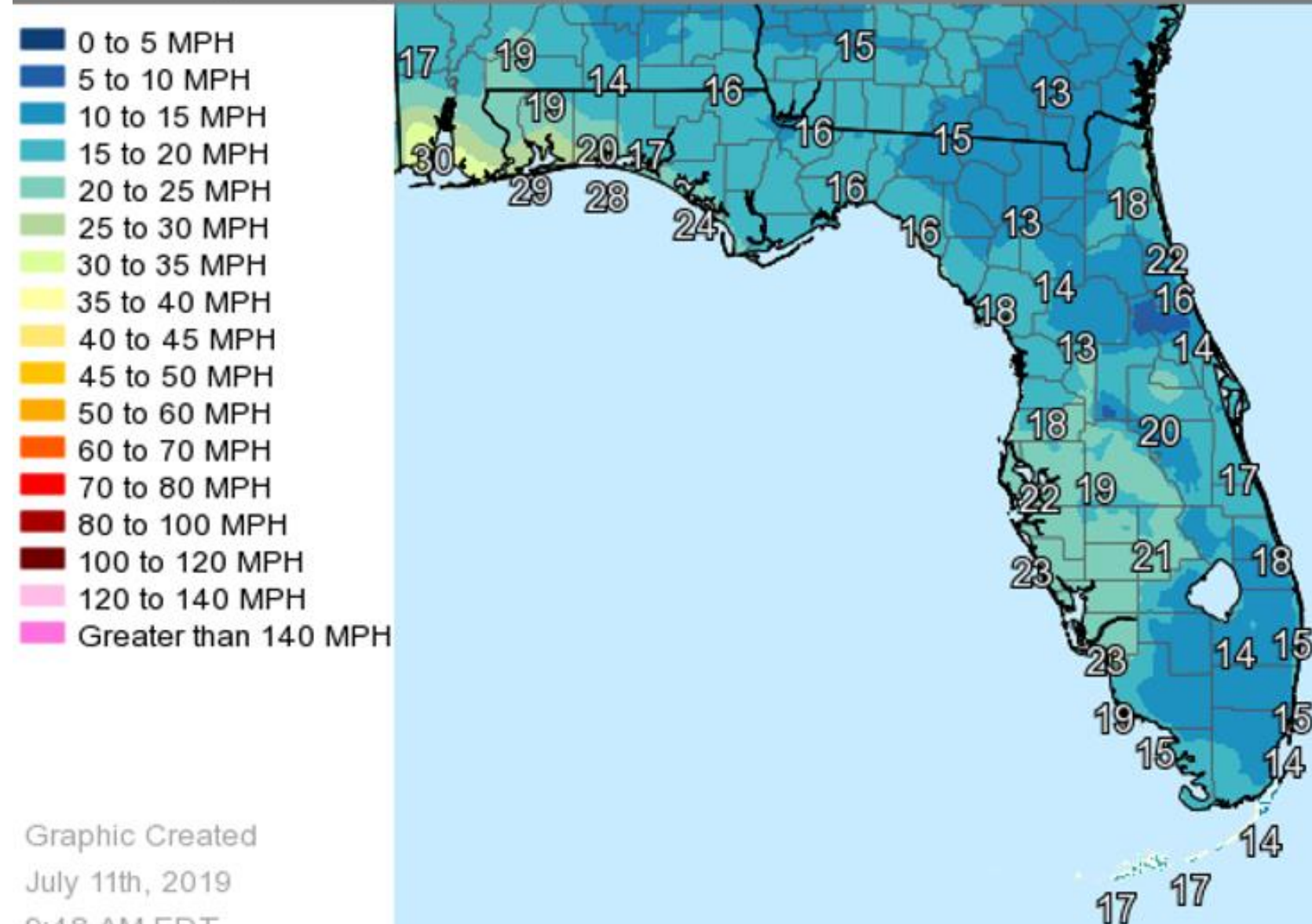
Wind Gust(Kts) Fri Jul 12 2019 5PM EDT

(Fri Jul 12 2019 21Z)



Maximum Forecast Wind Gusts

Valid Ending Saturday July 13th, 2019 at 8 AM EDT

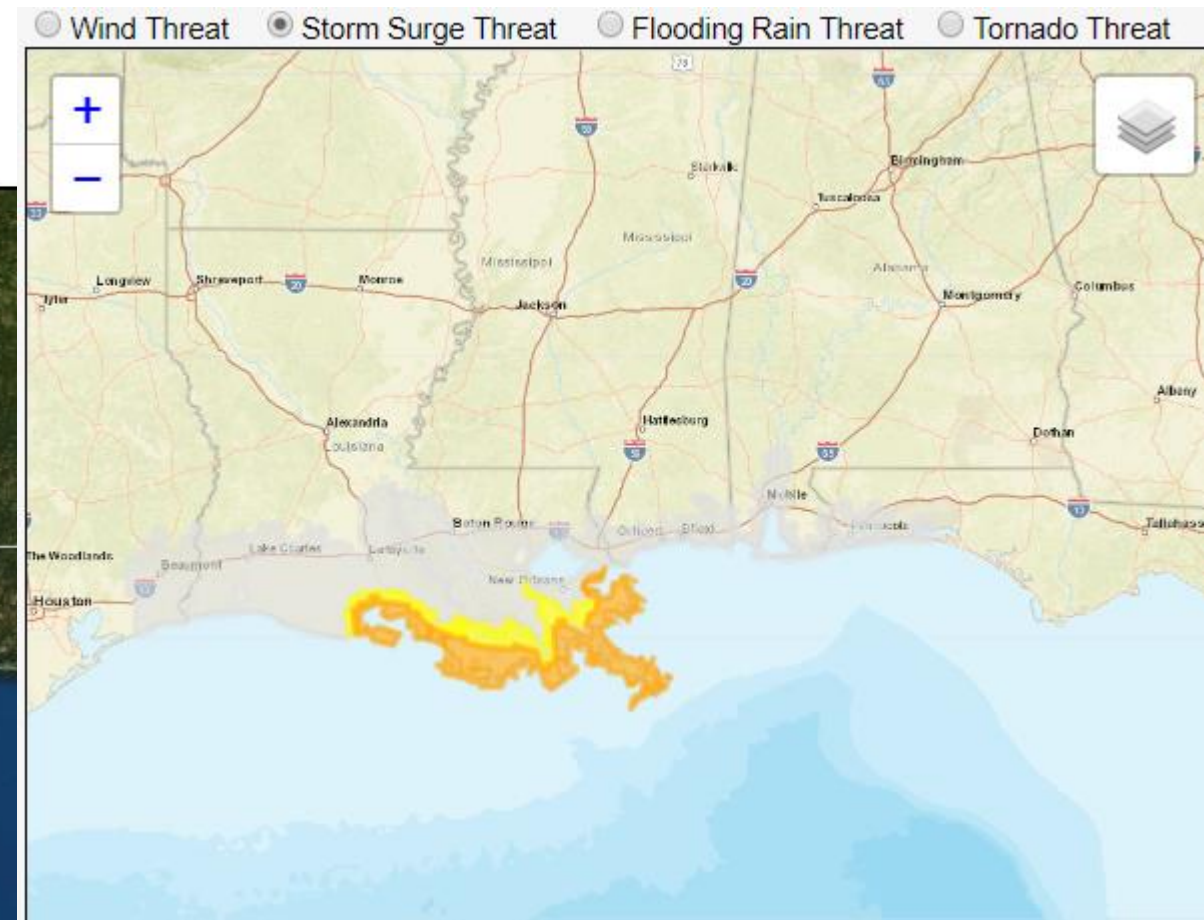


Forecast
Max
Wind
Gusts
Through
Friday

Graphic Created
July 11th, 2019
9:48 AM EDT

Storm Surge Watch/Warning Graphic*

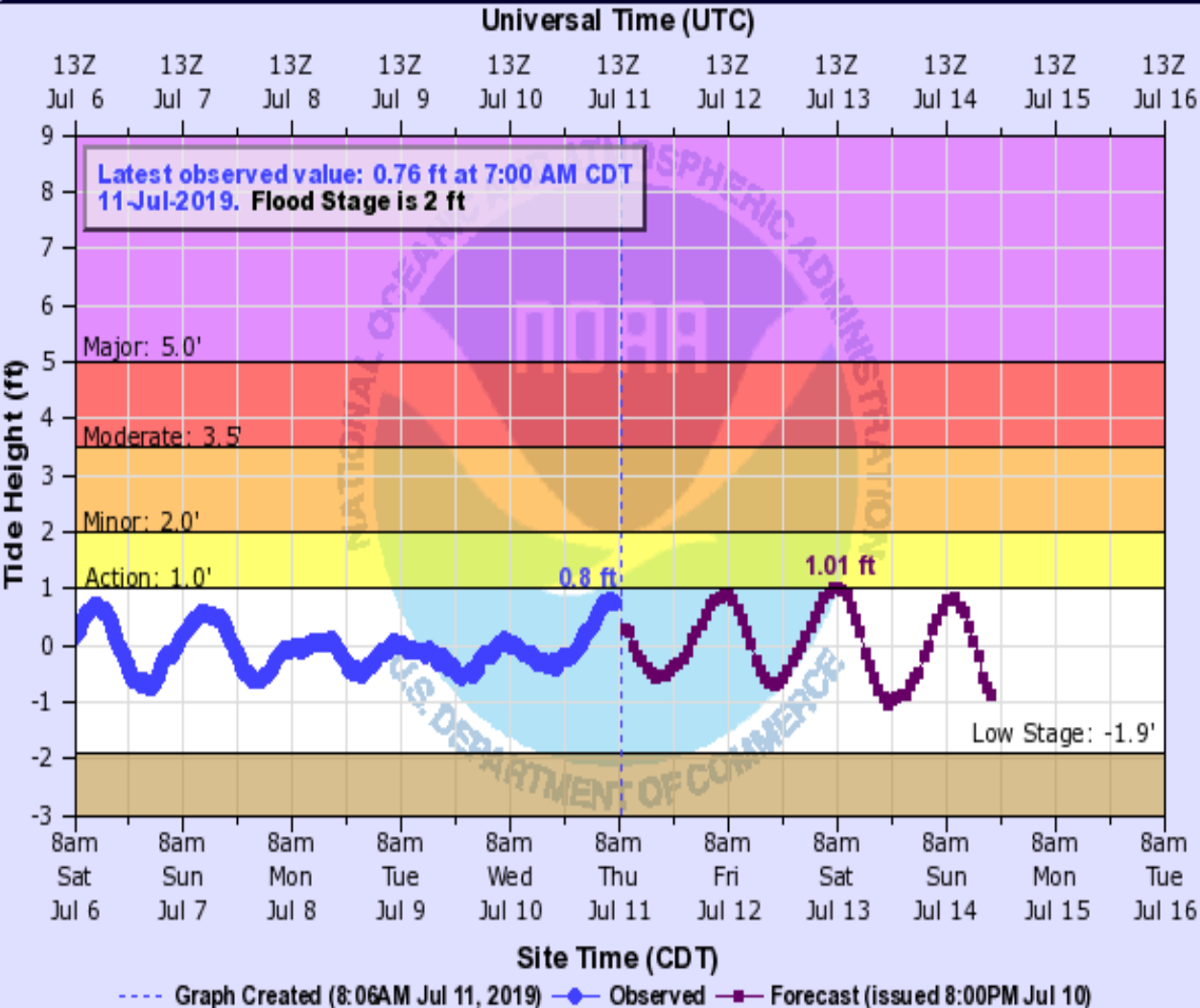
Potential Tropical Cyclone Two
Advisory 004 Issued: 4:00 AM CDT Thu Jul 11



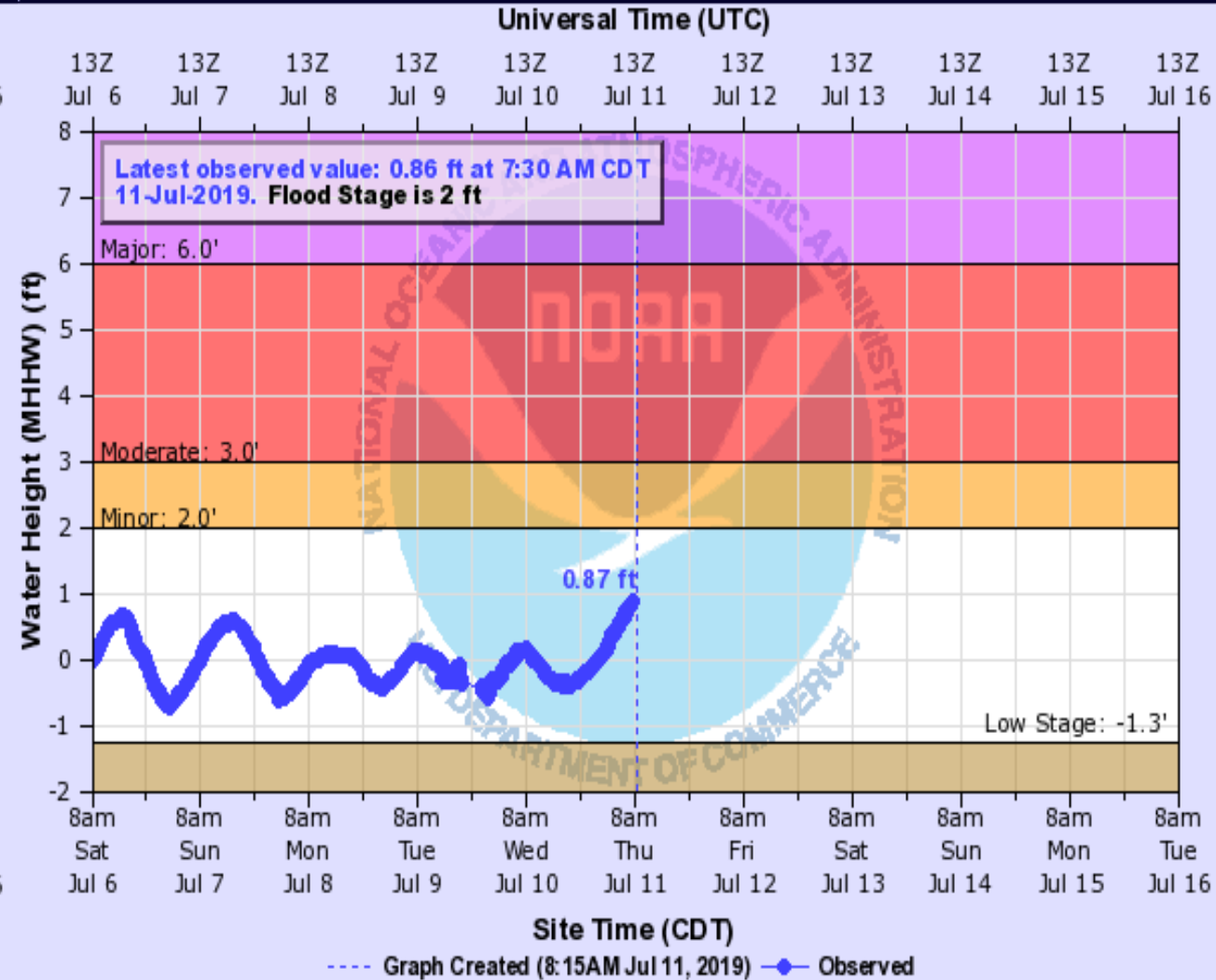
Current Tide Gage Readings

Tides currently 0.5-1' above normal. Impacts limited to water reaching near the dune line.

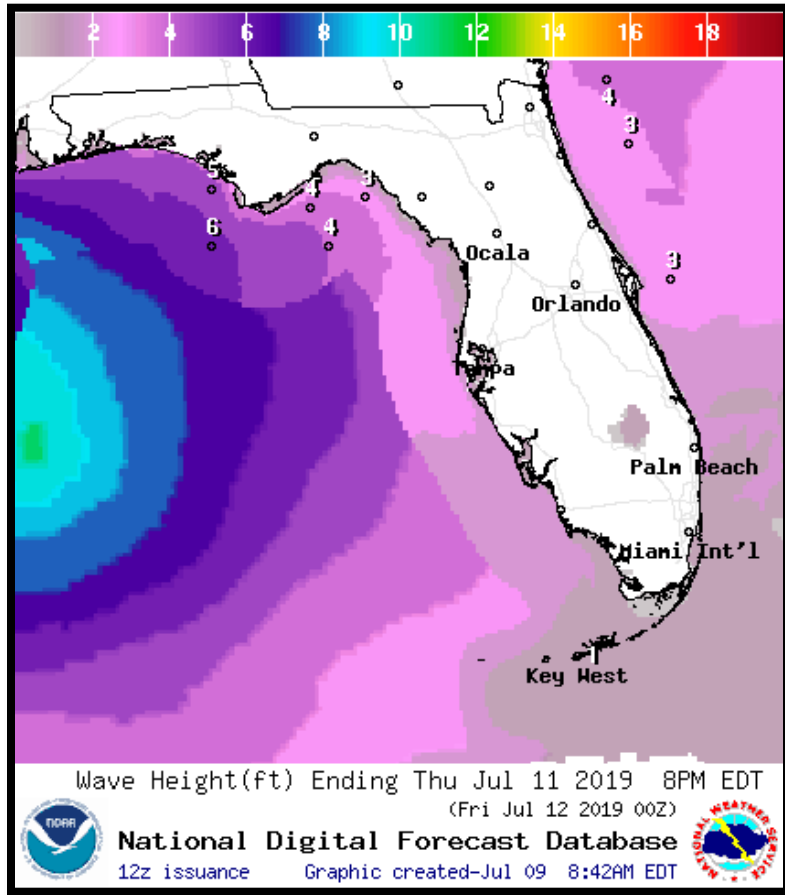
GULF OF MEXICO TIDE GAUGE AT PANAMA CITY (IN MHHW)



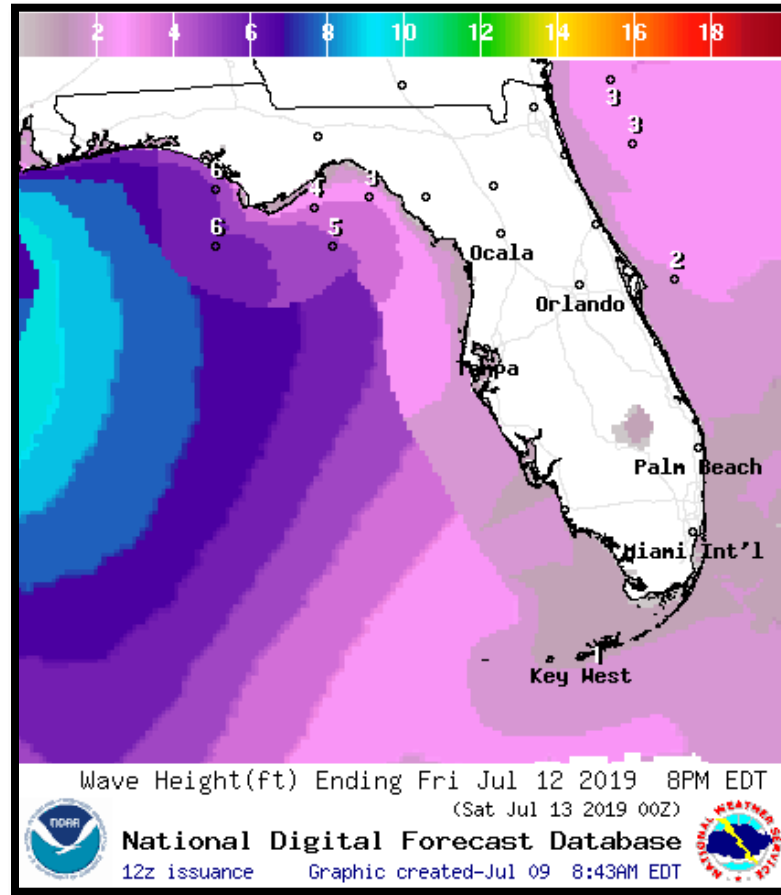
GULF OF MEXICO TIDE GAUGE NEAR PENSACOLA (IN MHHW)



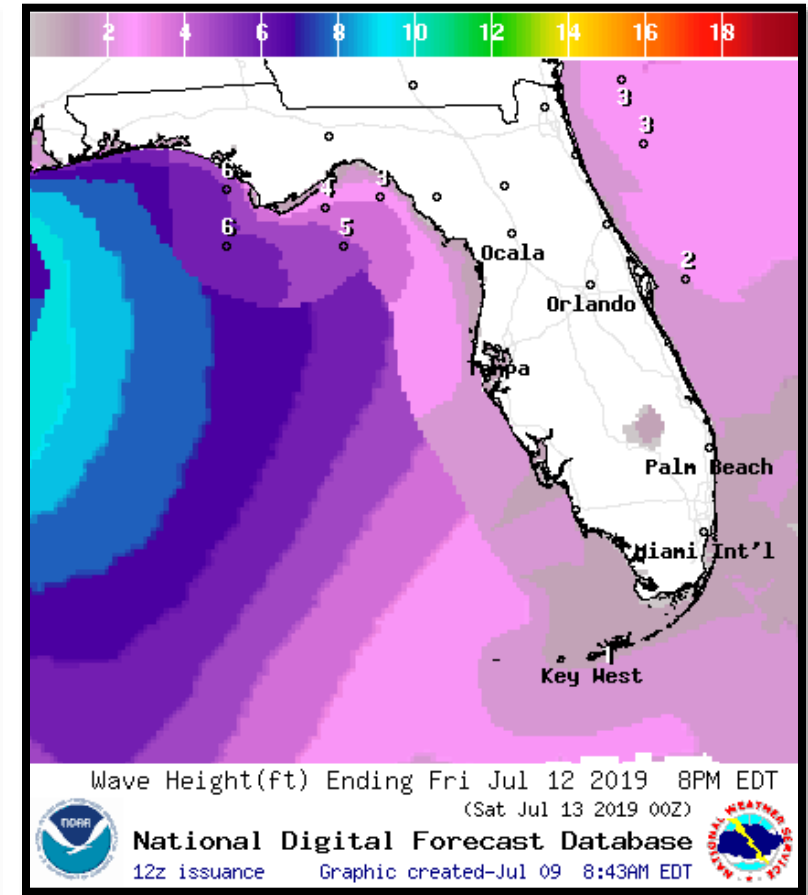
Forecast Wave Heights (feet) – Thursday-Saturday



Thursday



Friday

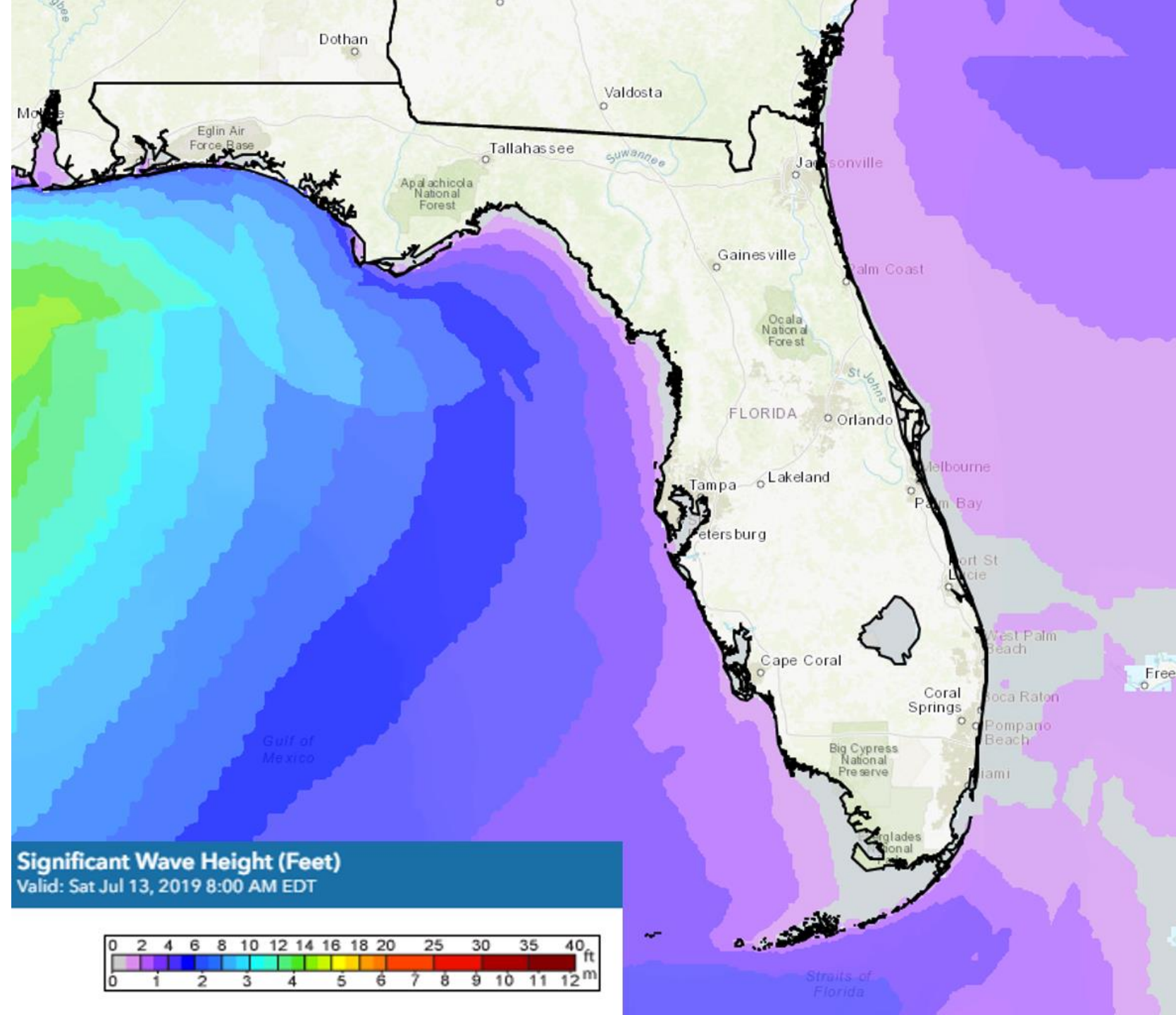


Saturday

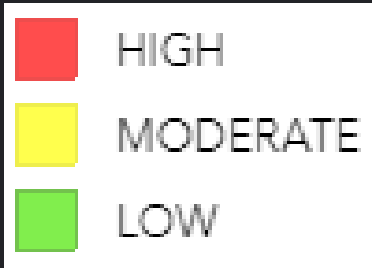
High surf, a high risk of life-threatening rip currents, and some minor beach erosion will be likely in the Panhandle late week. With spring tidal cycles, some minor coastal flooding is possible near high tide in normally prone locations.

Forecast Maximum Breaking Wave Height through Saturday Morning

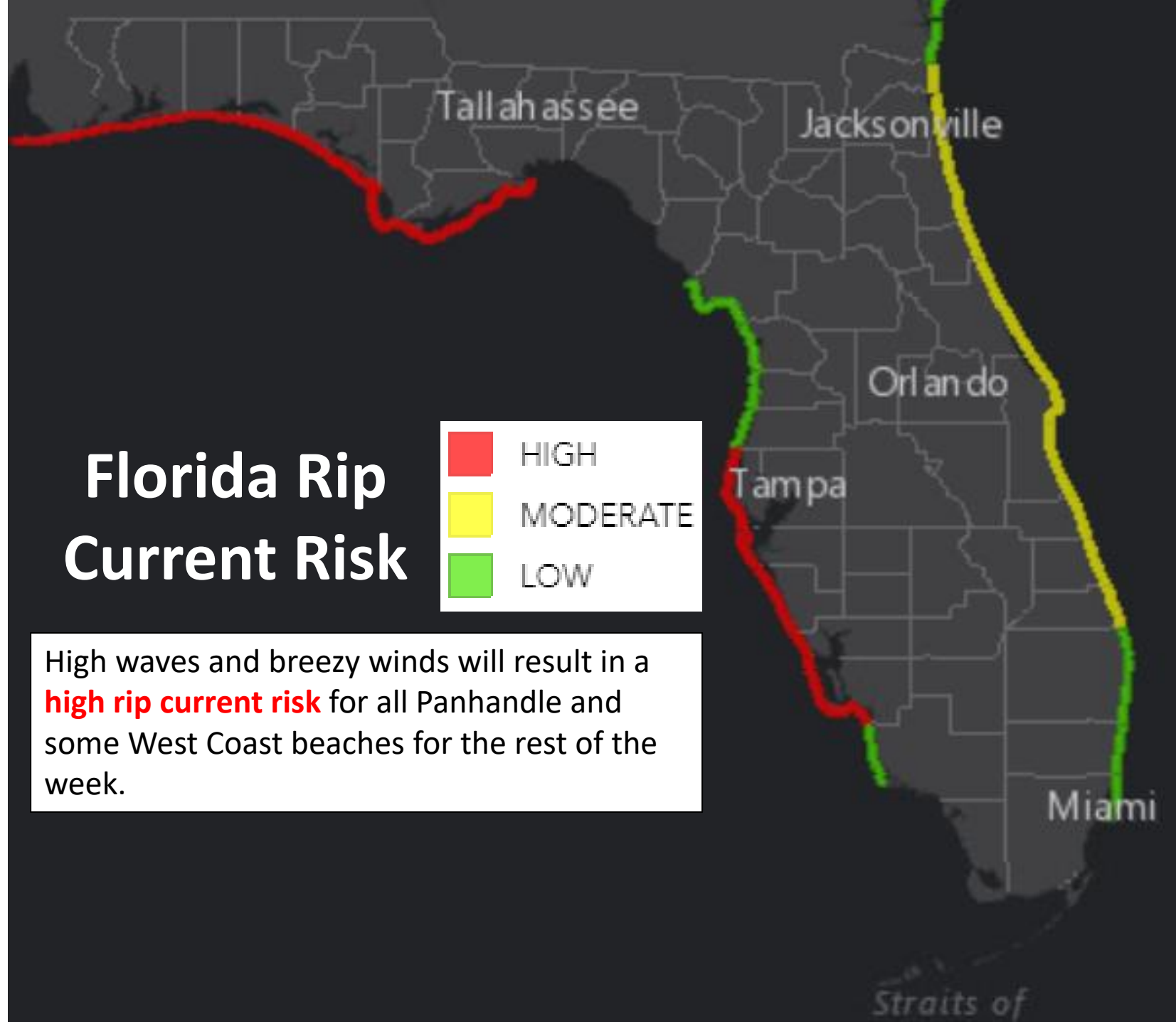
Waves of 5-8' are
possible along the
Panhandle Beaches.



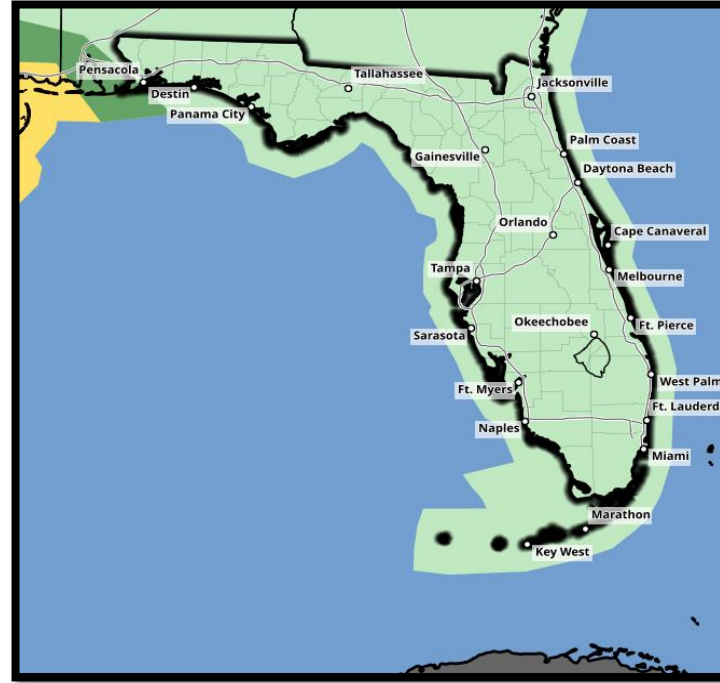
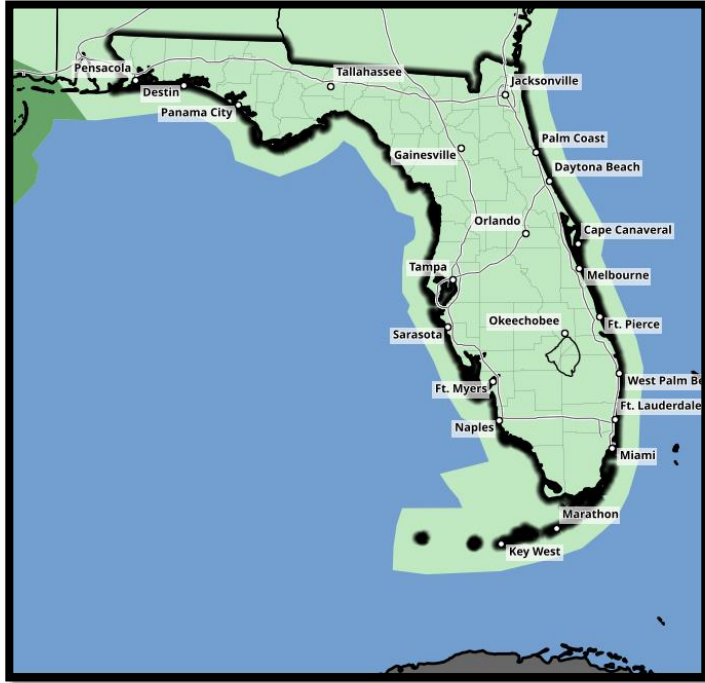
Florida Rip Current Risk



High waves and breezy winds will result in a **high rip current risk** for all Panhandle and some West Coast beaches for the rest of the week.



Forecast Severe Weather Risk – Wednesday-Saturday



Wednesday

Thursday

Friday

5	High
4	Moderate
3	Enhanced
2	Slight
1	Marginal
	Thunder

Isolated waterspouts or tornadoes will be possible in the outer bands.



Key Messages for Potential Tropical Cyclone Two

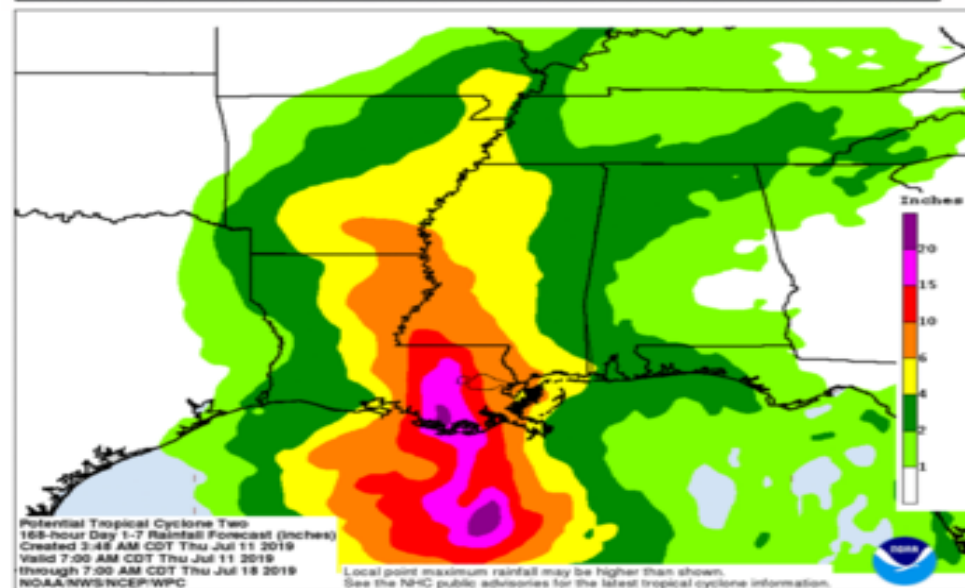
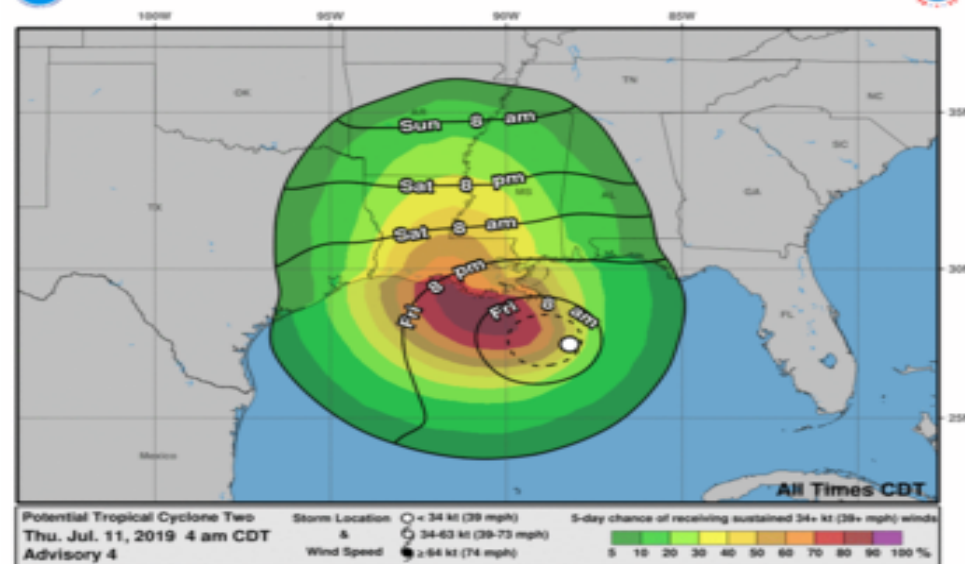
Advisory 4: 4:00 AM CDT Thu Jul 11, 2019



1. A tropical depression is expected to form later today over the northern Gulf of Mexico. Conditions appear favorable for this system to strengthen to a hurricane that will bring storm surge, rainfall, and wind hazards to the central Gulf Coast.
2. A dangerous storm surge is possible in portions of southern and southeastern Louisiana where a Storm Surge Watch is in effect. Additional storm surge watches may be needed later today. Residents in these areas should monitor the progress of this system and listen to any advice given by local officials.
3. A Hurricane Watch is in effect for much of the Louisiana coast and additional tropical storm or hurricane watches and warnings could be required. Residents in the watch area should ensure they have their hurricane plan in place.
4. The slow movement of this system will result in a long duration heavy rainfall threat along the central Gulf Coast and inland through the lower Mississippi Valley through the weekend and potentially into early next week. Flash flooding and river flooding will become increasingly likely, some of which may be significant, especially along and east of the track of the system.



Most Likely Arrival Time of Tropical-Storm-Force Winds



For more information go to hurricanes.gov

Summary

- At 8am EDT Thursday, Potential Tropical Cyclone #2 was located about 225 miles southeast of Morgan City, Louisiana, or about 210 miles southwest of Pensacola.
- Maximum sustained winds have increased to near 35 mph.
- Additional strengthening and organization of the system is expected and it is forecast to become a tropical depression or tropical storm later today and could become a hurricane Friday or Saturday.
- The next name on the list is Barry.
- PTC #2 continues moving slowly westward at around 5mph, but a west-northwest motion is expected on Friday followed by a northwestward track by early Saturday.
- On this track, the center of PTC #2 should move into southeastern or south-central Louisiana sometime Saturday. While models are in good agreement on a Louisiana landfall, there are a few models that are more to the east closer to Biloxi, Mississippi.
- PTC #2 is likely to bring widespread impacts to the central Gulf Coast/Lower Mississippi Valley through Sunday or Monday.
- Elsewhere in the tropics, a tropical wave (designated as Invest 93L) located in the far eastern Atlantic near the Cabo Verde Islands is producing disorganized shower activity.
- While some slight development of the wave is possible during the next day or two while it moves westward, environmental conditions will become less favorable over the weekend as it approaches the Windward Islands.
- As a result, there is currently only a 10% (low) chance of this wave become a tropical system within the next 5 days.

Florida Outlook:

- There are no tropical storm, hurricane or storm surge watches in effect for Florida and Florida remains outside of the cone of error.
- Periods of heavy rain within showers and thunderstorms will be the main impact for Florida and are expected to continue each day through Monday, but higher than normal tides, high surf, and isolated tornadoes are also possible along the Panhandle coast.
- Rain:
 - Currently, cumulative rainfall totals of 2-4” are forecast for the central and western Florida Panhandle, with lesser amounts closer to 1-2” expected for the remainder of the state. However, some models are predicting the potential for higher amounts in the 5-8” are possible in some spots of the western Panhandle, with isolated totals near the Alabama state line could reach as high as 10-12”.
 - Flash Flood Watches are in effect for Escambia and Santa Rosa Counties. However, an isolated case of flash flooding will be possible anywhere in Florida, particularly in urban areas with brief periods of ponding of water on roadways, or where storms repeatedly move over the same location. Additional watches could be issued with any eastward shift in the forecast track.
 - The best chance of heavy rain will be Saturday and Sunday. Isolated tornadoes will be possible across the Panhandle beginning Thursday and may linger into Friday.
- Coastal Impacts:
 - Dangerous rip currents, high surf, and minor coastal flooding will be possible along the Panhandle coast over the next several days.
 - Coastal Flood Watches are in effect for Escambia, Santa Rosa and Okaloosa Counties where tides may run 1-2’ above normal and could cause minor flooding on the ocean-facing side of barrier islands during times of high tide.
 - Breaking waves of 3-6’ are expected along much of the Panhandle coast, and High Surf Advisories are in effect from Escambia County east to Gulf County.
 - Frequent life-threatening rip currents are expected to continue along the entire Florida Gulf Coast (including the western Peninsula) through at least Monday.
- Tornadoes:
 - Isolated waterspouts and/or tornadoes will be possible within the outer bands of PTC #2 on Saturday and Sunday in the far western Panhandle. The greatest threat will be further west.

The next briefing packet will be issued Thursday afternoon. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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