



# Tropical Update



5:00 PM EST

Thursday, November 10, 2022

**Tropical Storm Nicole**

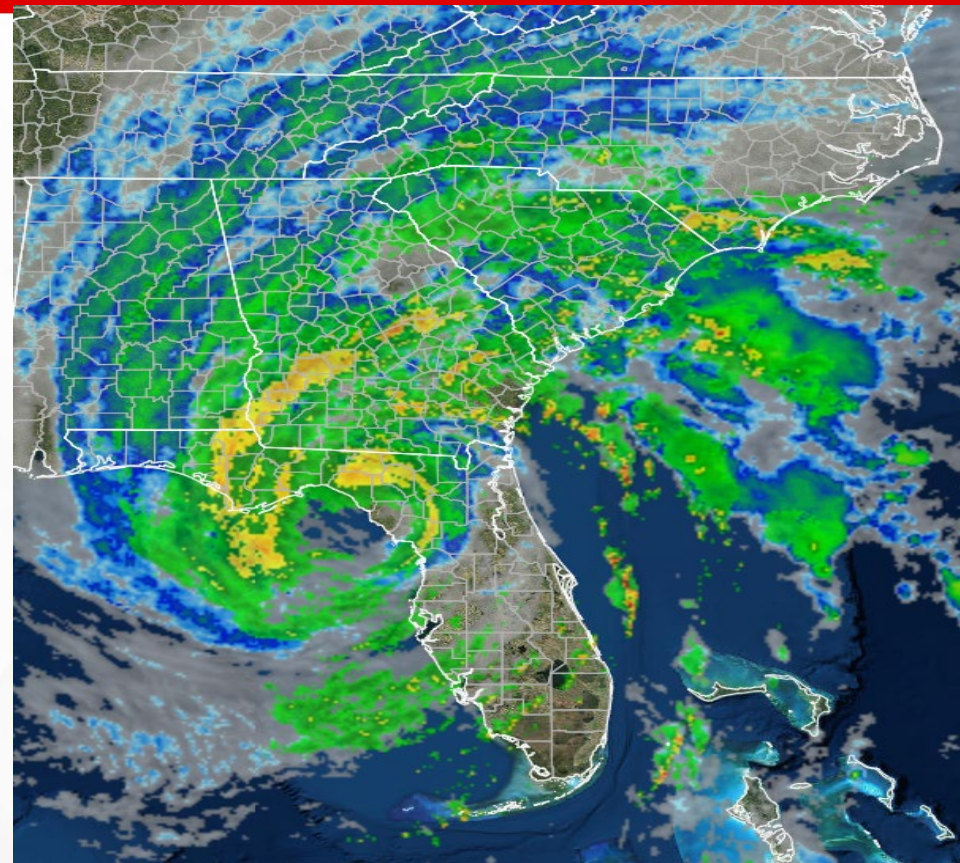
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an 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).



# Tropical Storm Nicole

11 AM EST Thursday: Florida Threats & Changes Since Last Packet

	MINIMAL	Low	MODERATE	HIGH	EXTREME
 WINDS					
 STORM SURGE					
 FLASH FLOODING					
 TORNADOES					
	Low	MODERATE	HIGH		
 RIP CURRENTS					

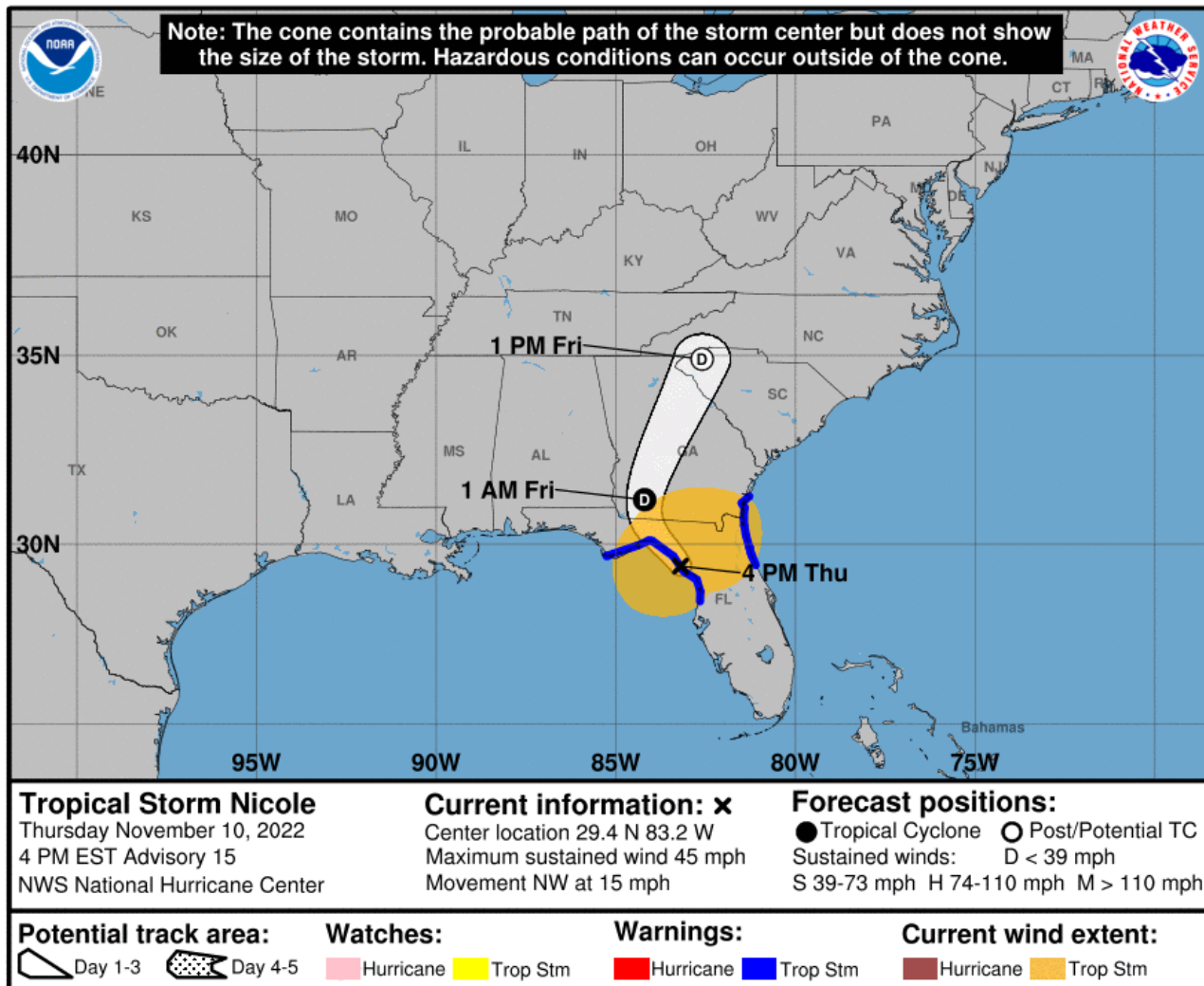


**Overview/Recent Changes:** Tropical Storm Warning have been discontinued along the Florida West Coast south of Aripeka, and along the Florida East Coast south of the Flagler/Volusia County Line. The Storm Surge Warning has been discontinued for the Florida East Coast south of the Flagler/Volusia lines. There is a continued risk of dangerous storm surge, coastal erosion, damaging winds, and flooding with this system across North Florida tonight.



# Forecast Cone

## Tropical Storm Nicole



**Location:** 105 miles NW of Tampa; 95 miles SE of Tallahassee

**Maximum Winds:** 45 mph

**Movement:** NW at 15 mph

Nicole is moving toward the northwest near 15 mph and this general motion should continue this evening, followed by a turn toward the north tonight. Nicole is expected to accelerate north-northeastward on Friday. On the forecast track, the center of Nicole will move along the coast of the Florida Big Bend region for the next several hours before moving across the eastern Florida Panhandle. After that, Nicole should move northward over Georgia later tonight, and then move through the southeastern United States on Friday.

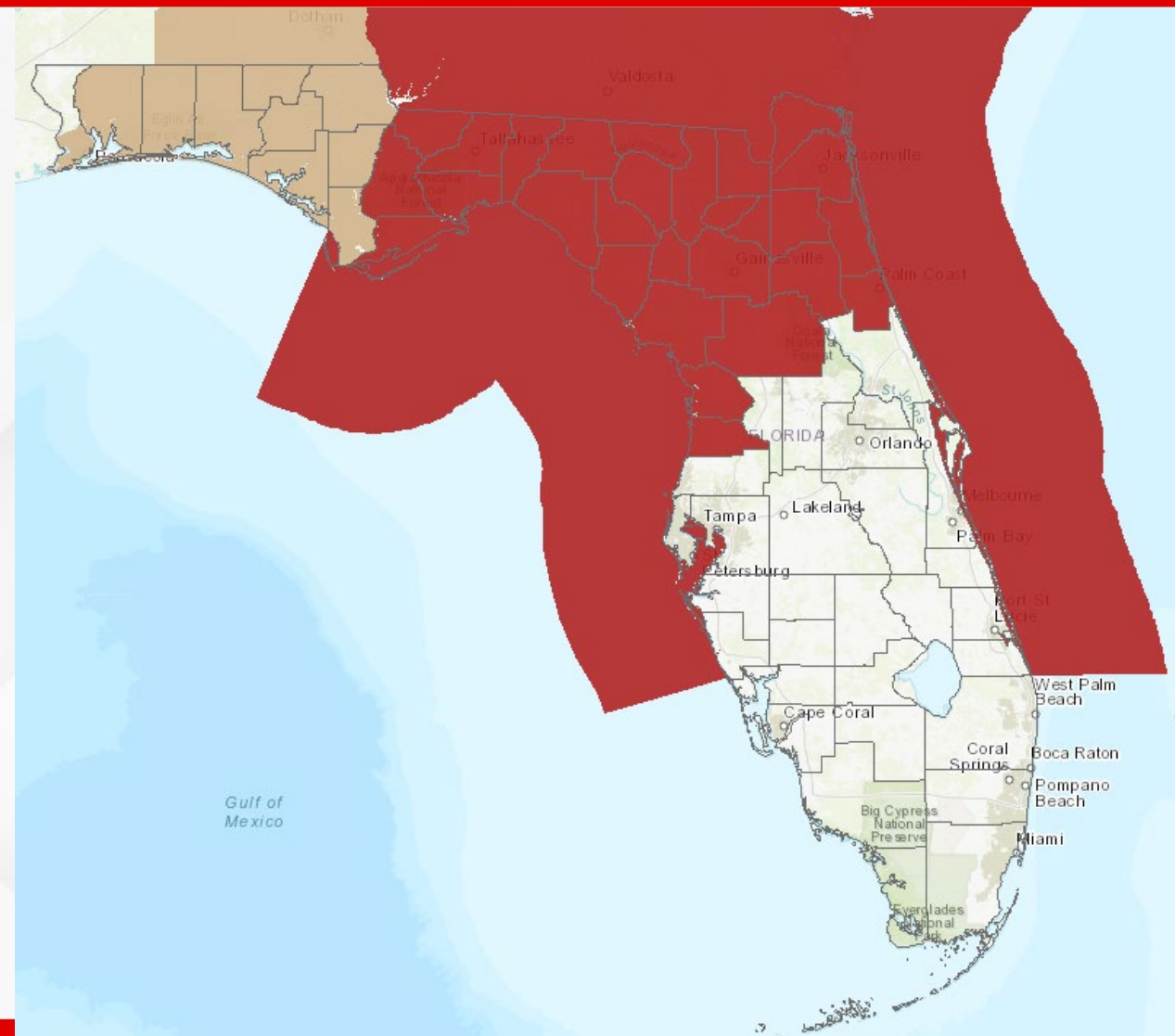
Maximum sustained winds are near 45 mph with higher gusts. These winds are mainly occurring over the Gulf of Mexico to the west of the center. Little change in strength is expected this evening while the center moves along the coast of the Florida Big Bend. Nicole is expected to weaken to a depression over Georgia tonight, and then it is expected to dissipate as it merges with a frontal boundary over the Mid-Atlantic United States by Friday night.





# Active Wind Watches/Warnings

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- **Tropical Storm Warning**

- Counties: Gadsden, Liberty, Franklin, Leon, Wakulla, Taylor, Madison, Lafayette, Hamilton, Suwanee, Columbia, Union, Baker, Dixie, Gilchrist, Levy, Alachua, Bradford, Clay, Putnam, Nassau, Duval, St. Johns, Flagler, Marion, Citrus, Hernando

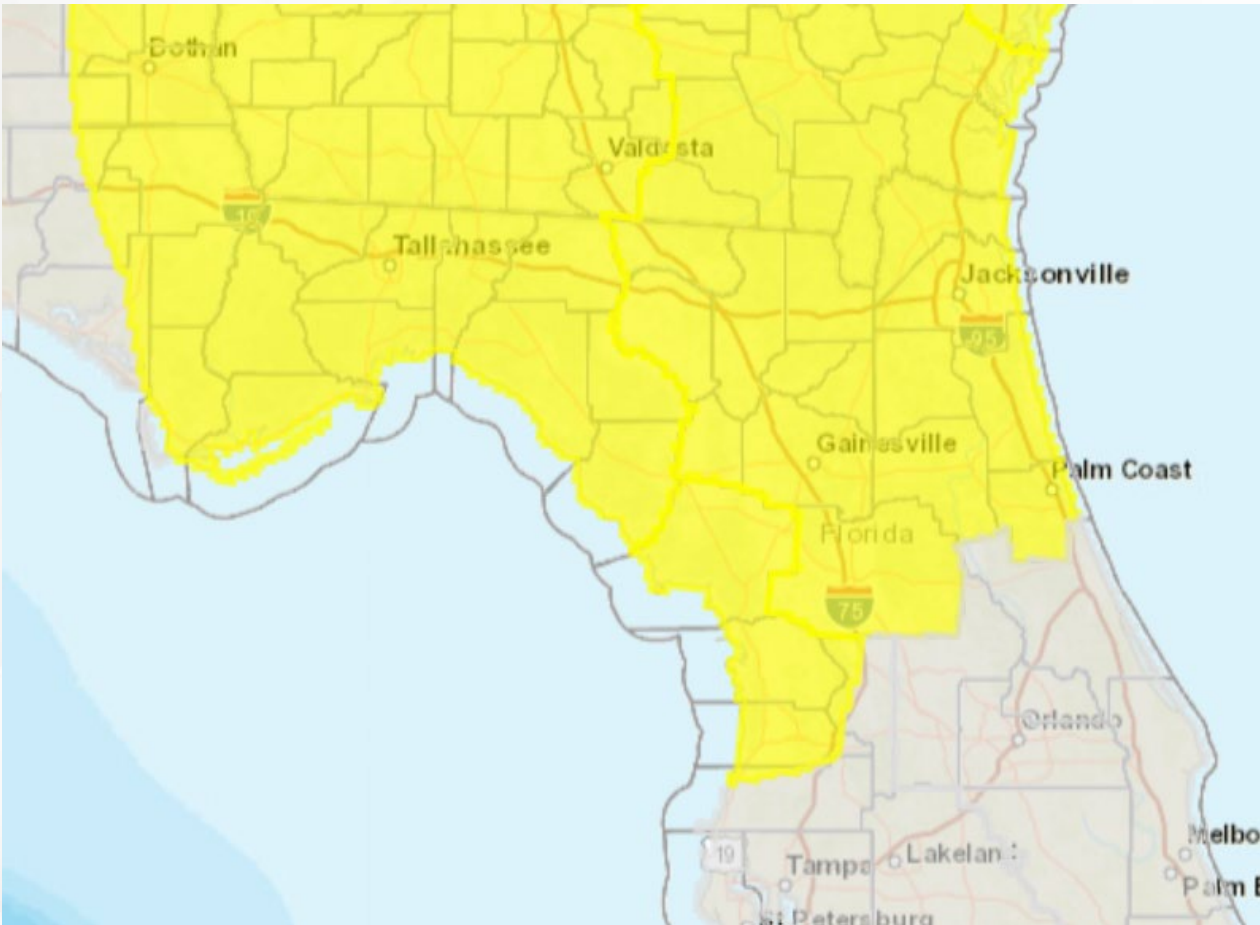
- **Wind Advisory (winds 15 to 25 mph with gusts of 30 to 40 mph)**

- Counties: Jackson, Calhoun, Gulf, Holmes, Washington, Bay, Walton, Okaloosa, Santa Rosa, southern Escambia



# Damaging Wind Threat Overview

## Tropical Storm Nicole



Tropical storm-force winds are still possible through tonight across North Florida. Conditions will gradually improve from south to north through the overnight hours.

<https://www.weather.gov/srh/tropical?office=mfl>

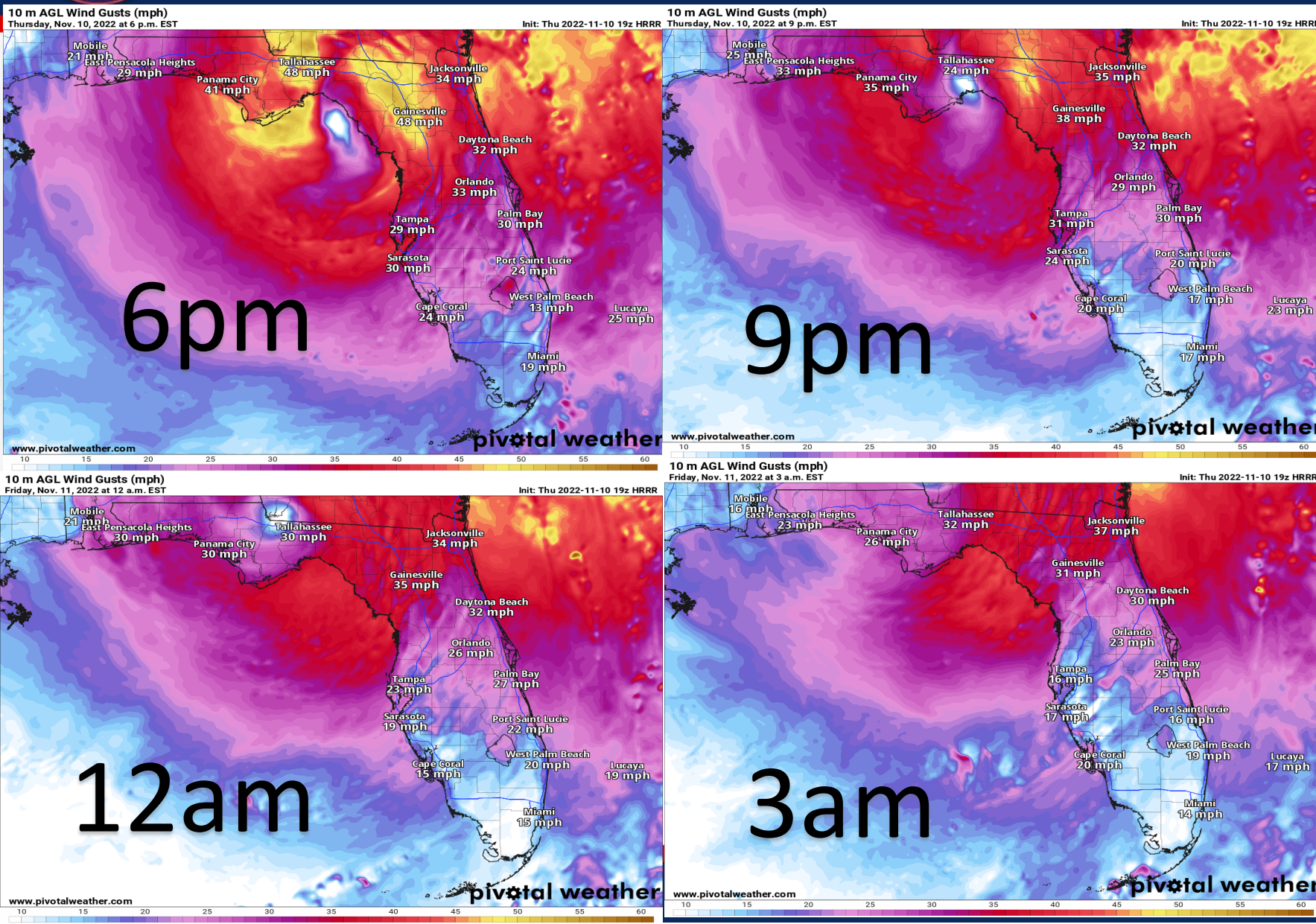
Click on “Threats and Impacts” Tab

Wind Threat
Potential for wind greater than 110 mph
Potential for wind 74 to 110 mph
Potential for wind 58 to 73 mph
Potential for wind 39 to 57 mph
Wind less than 39 mph





# Wind Gust – HRRR Model Simulation



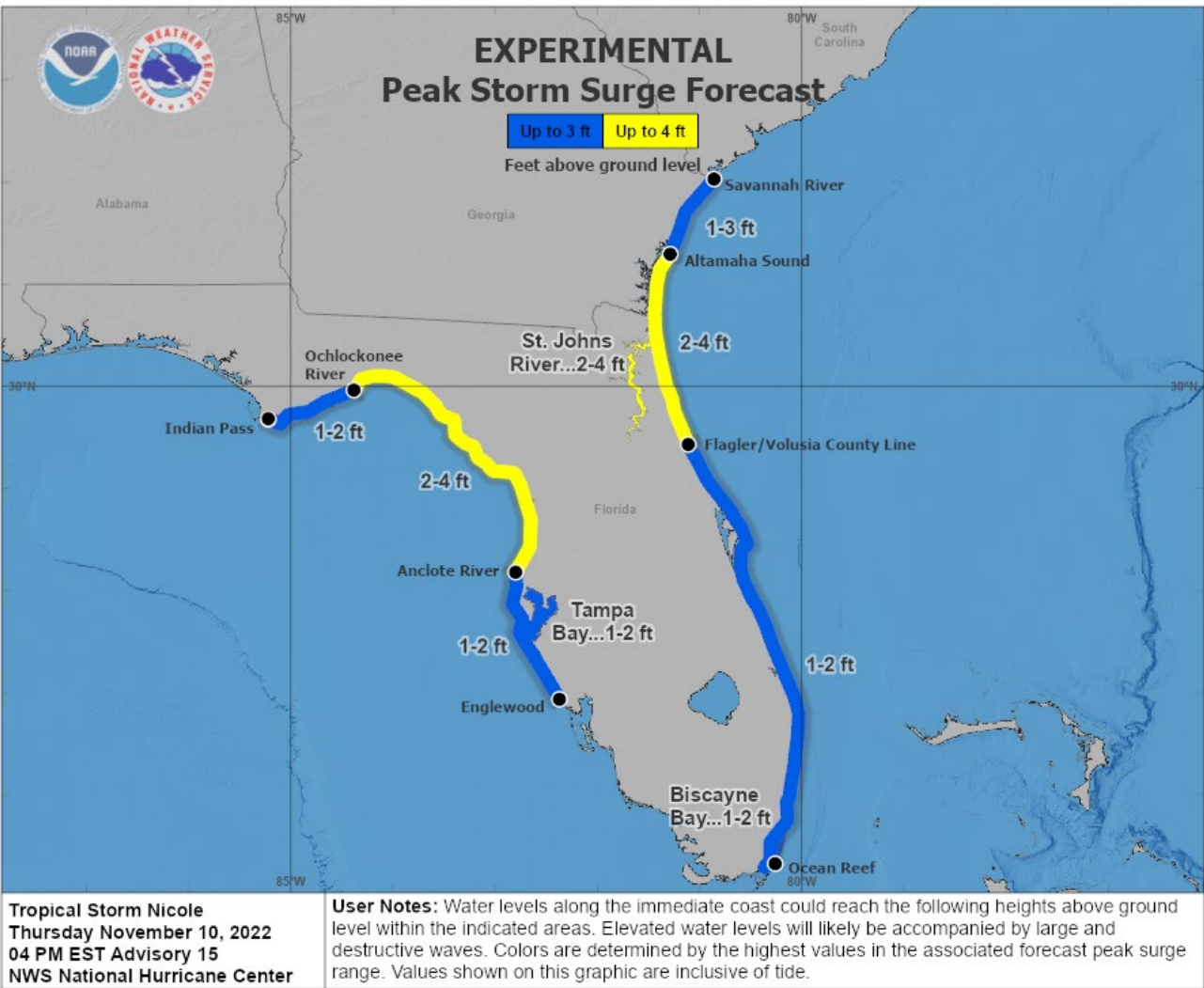
Wind gusts of 35-50 mph will be possible across Northeast Florida and the Big Bend through this evening. Gusts of 25-40 mph will be possible overnight.

South of I-4, wind gusts should stay below 30mph after midnight.



# Surge Watches and Warnings

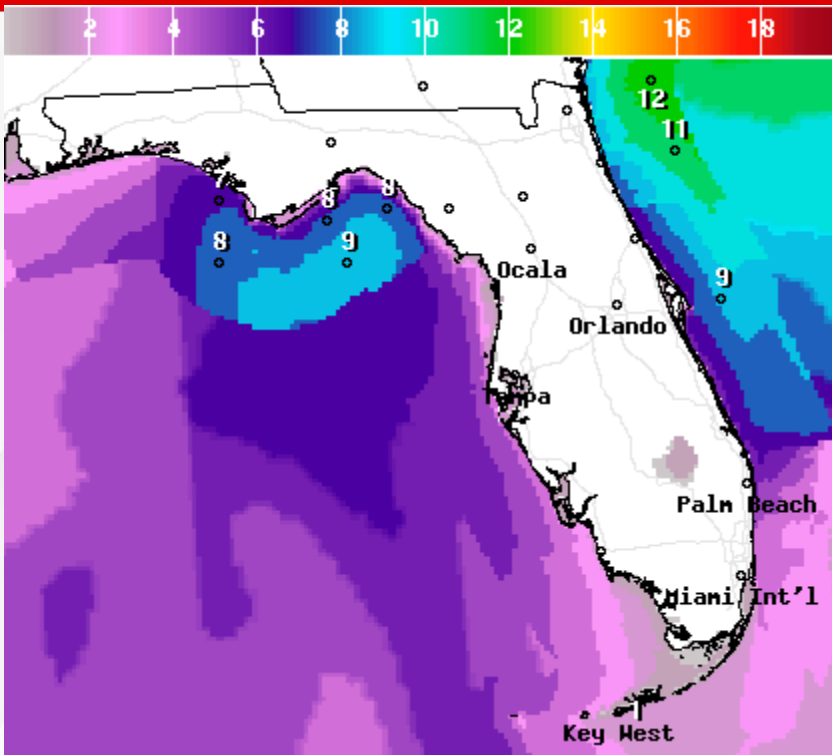
In Effect Until Further Notice



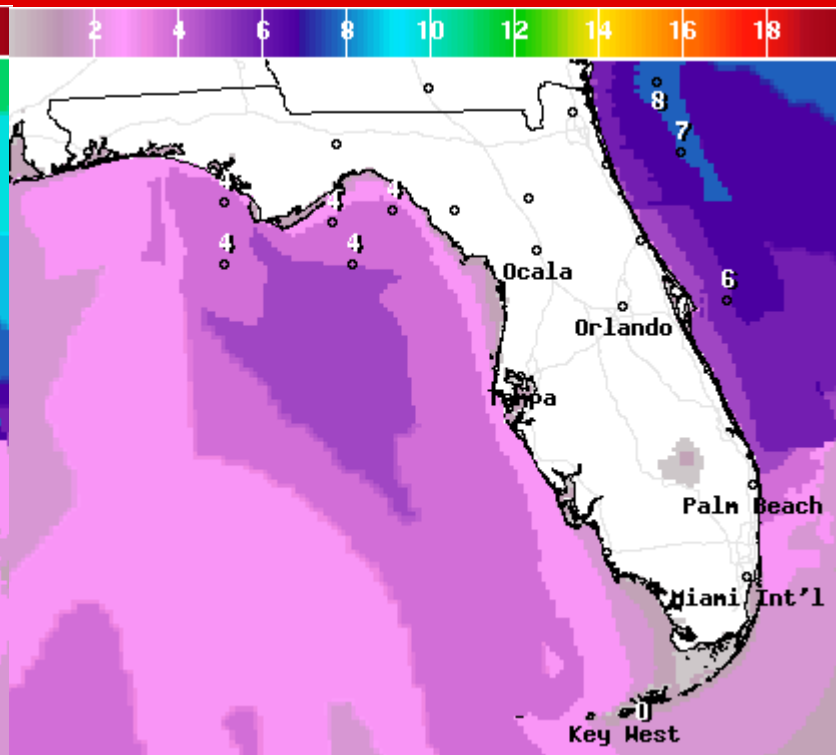


# Wave Heights

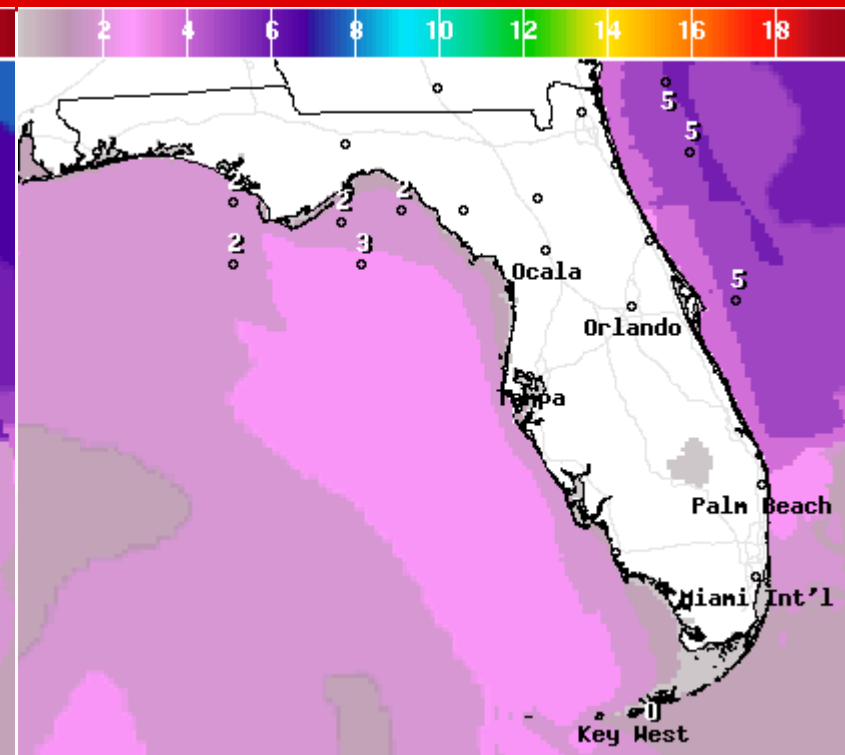
## Thursday Night, Friday & Friday Night



**Thursday Night**



**Friday**



**Friday Night**

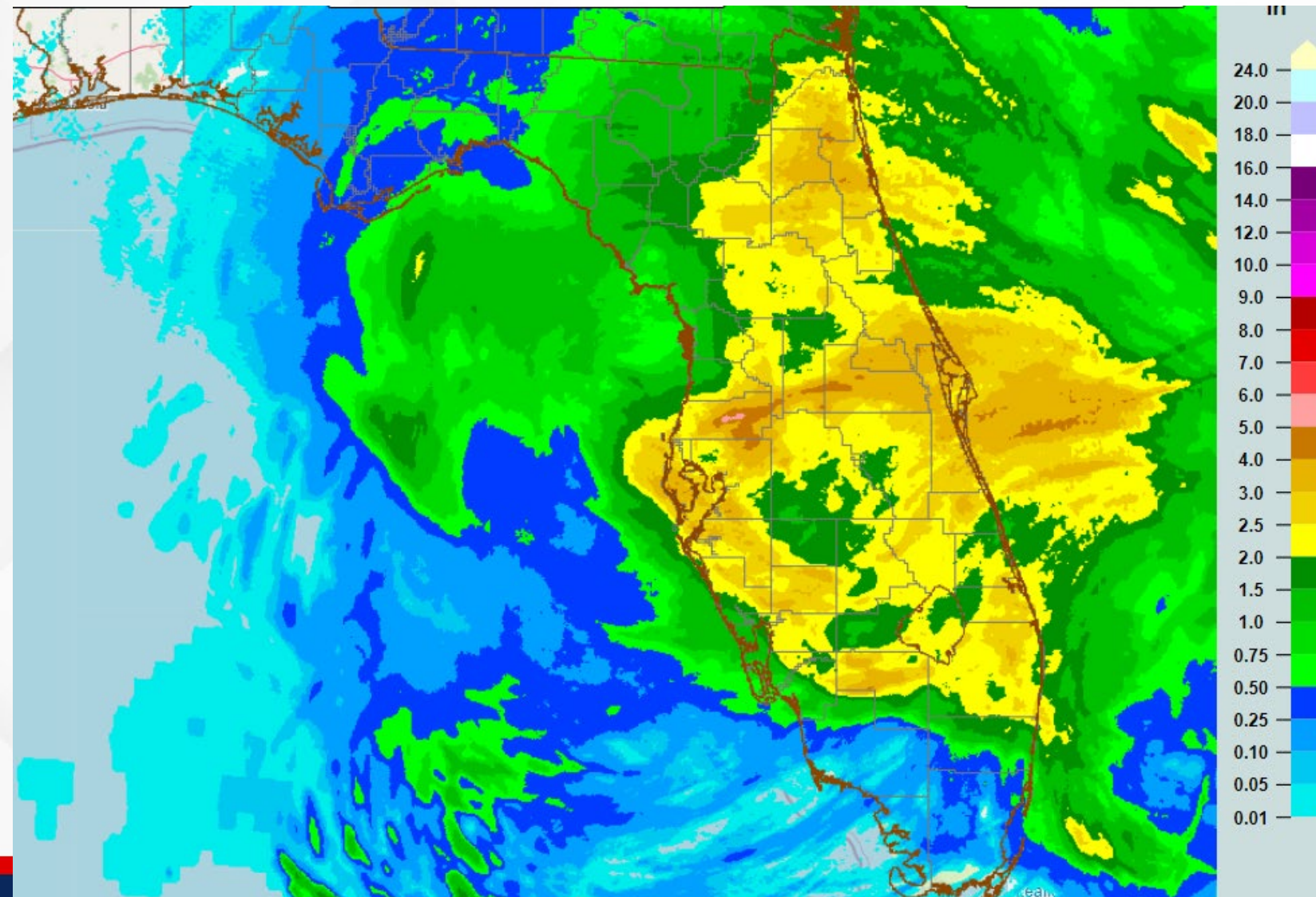
Lingering high surf of 6-10' are possible tonight along portions of the East Coast, which may result in continued coastal erosion at times of high tide. Wave heights of 3-7' are also possible along the Florida Gulf Coast tonight, leading to minor erosion during high tide. Wave heights should subside on Friday.





# Estimated Observed Rainfall

## Past 24 Hours



- Widespread rainfall totals of 1.5-4" have been observed along Peninsula over the past 24 hours.
- Higher rainfall totals of 4-6" have been observed along the I-4 corridor, over portions of Southwest Florida, and along the I-95 corridor in Northeast Florida

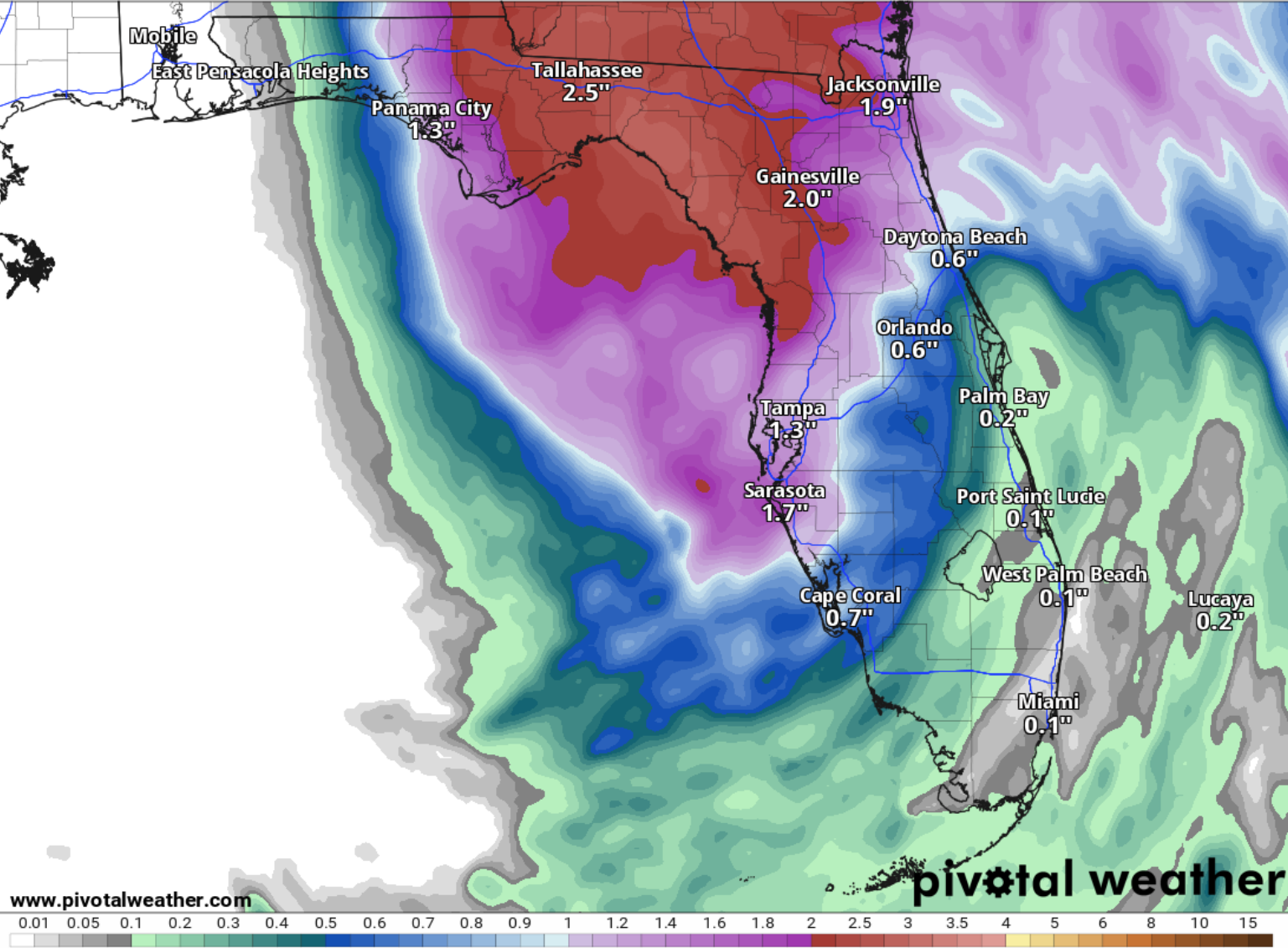


# 24 Hour Forecast Rainfall

## From the Weather Prediction Center

24-Hour Precipitation (in)  
Ending Friday, Nov. 11, 2022 at 7 a.m. EST

Init: Thu 2022-11-10 12z WPC



An additional 1-3" of rain is possible tonight across portions of the North and West Central Florida.











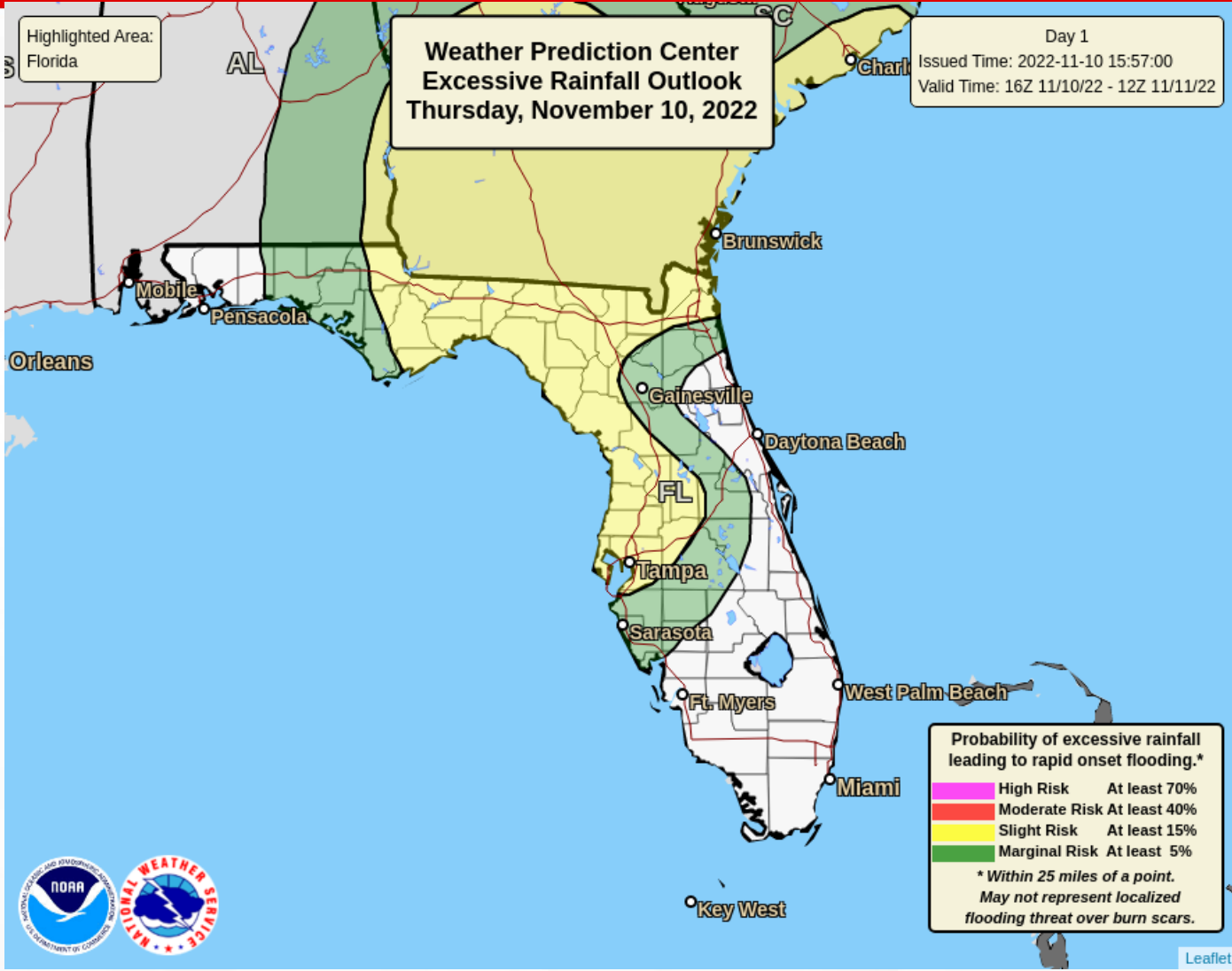
# Flash Flood Outlooks

## From the Weather Prediction Center

### 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
	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.
<a href="http://www.wpc.ncep.noaa.gov">@NWSWPC</a>				
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
 				
WEATHER PREDICTION CENTER				

Forecast rain amounts could lead to a slight chance of flash flooding (level 2 of 4) across the eastern Panhandle, the Big Bend, and Northeast Florida tonight.

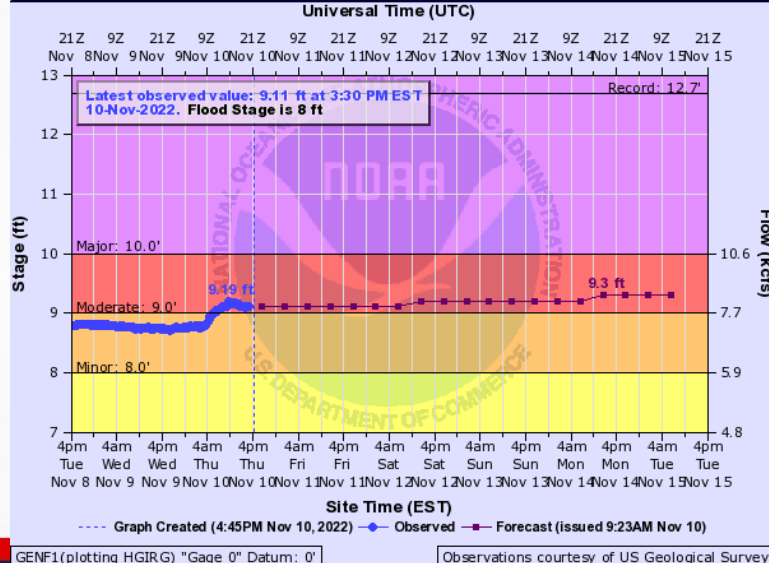
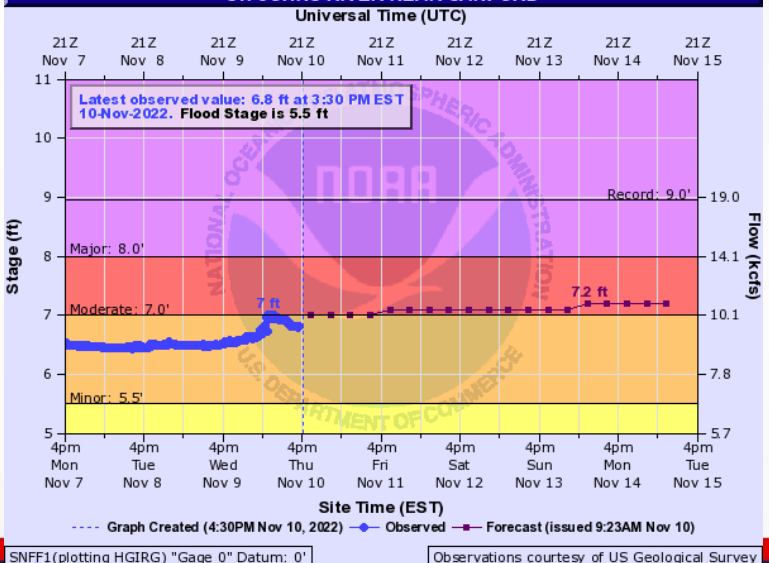
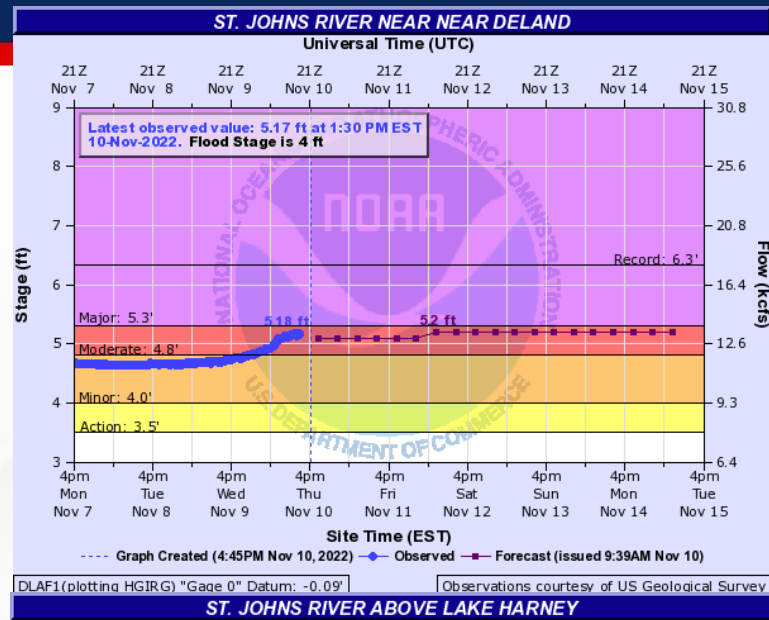
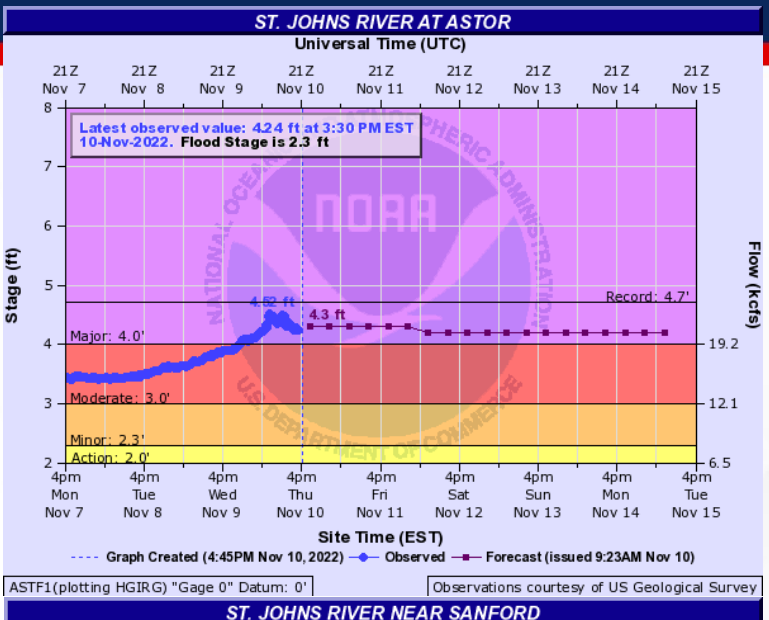
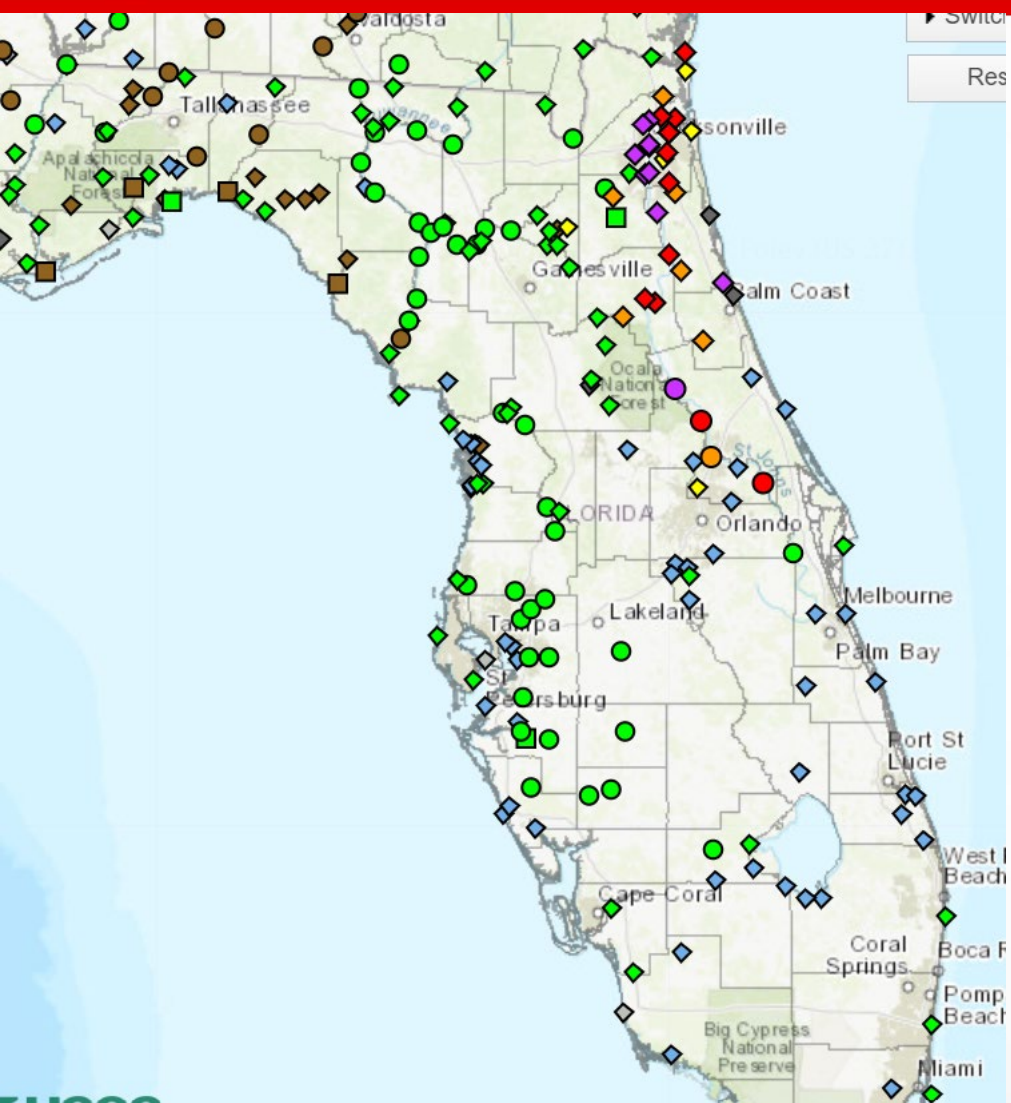






# Current River Status & Forecast Hydrographs

## As of Thursday Afternoon

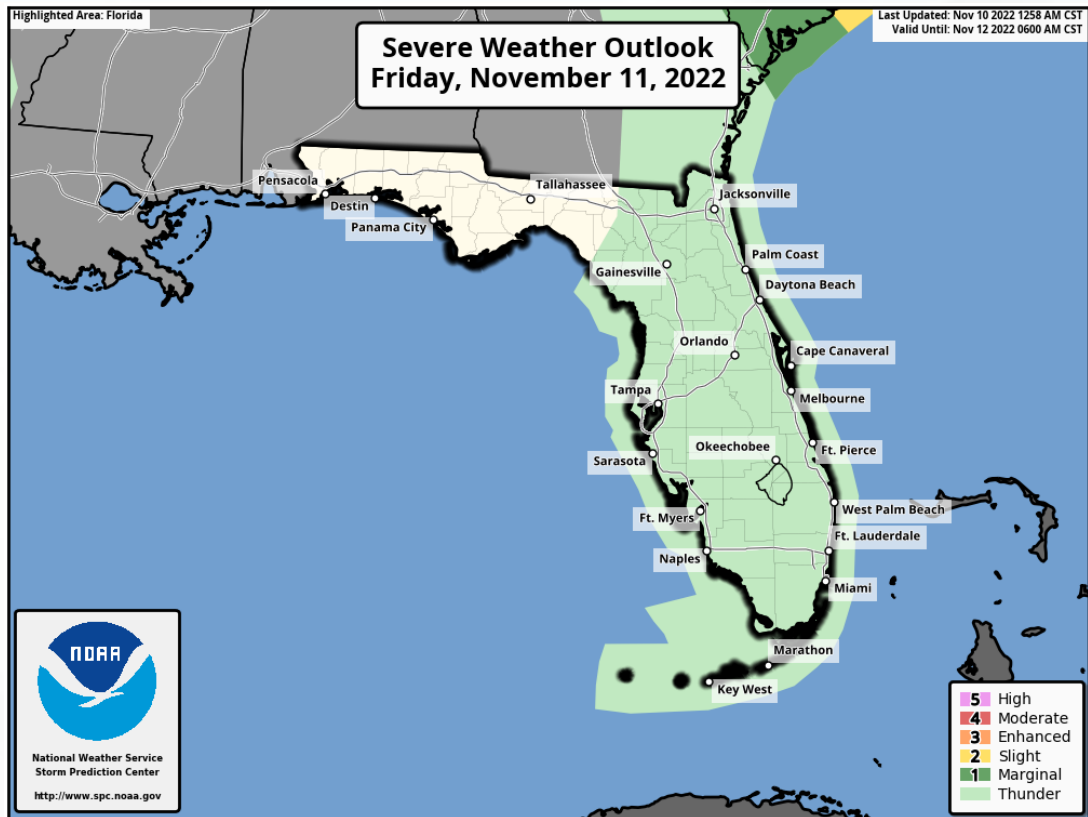
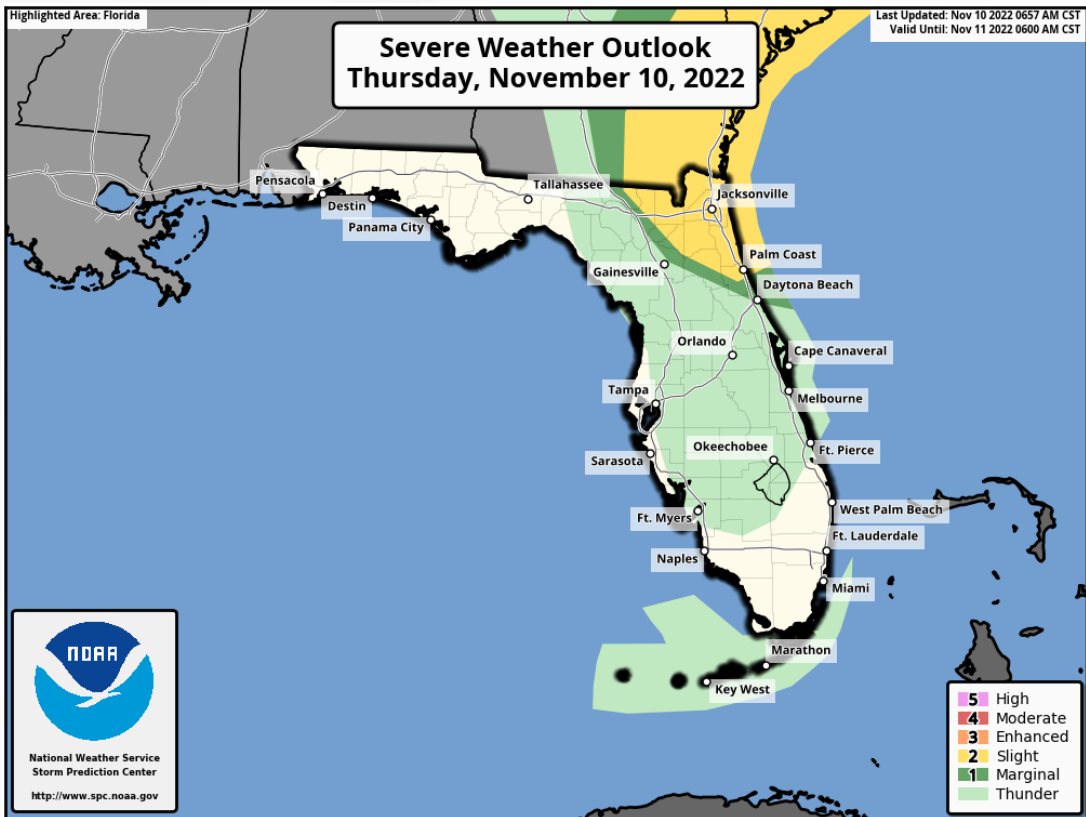


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# Severe Weather Outlook

## From the Storm Prediction Center



Outer rain bands from Nicole may produce isolated tornadoes across portions of Northeast Florida through tonight.

### Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense



# Key Messages

## From the National Hurricane Center



### Key Messages for Tropical Storm Nicole

Advisory 15: 4:00 PM EST Thu Nov 10, 2022

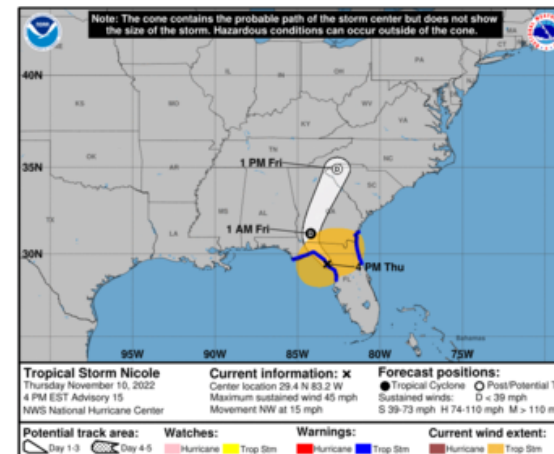


1. Tropical storm conditions will continue along portions of the east coast of Florida and Georgia this evening. Tropical storm conditions will spread northward along the west coast of Florida to the coast of the Florida Panhandle through tonight.

2. A storm surge warning is in effect for portions of the northeastern coast of Florida, the southern Georgia coast, and the Florida Big Bend. Residents in the warning area should listen to advice given by local officials.

3. Do not focus on the exact track of Nicole since it is a large storm with hazards extending well to the north of the center, outside of the forecast cone. These hazards will continue to affect much of the Florida peninsula and portions of the southeast United States.

4. Nicole will produce heavy rainfall this evening across the Florida Peninsula. Flash and urban flooding will be possible across portions of the Florida Peninsula along with renewed river flooding on the St. Johns River. Isolated flash, urban, and small stream flooding will also be possible on Friday in the Southeast through the central Appalachians, including the Blue Ridge Mountains, and extending northward through eastern Ohio, west central Pennsylvania, into western New York by Friday night into Saturday.



For more information go to [hurricanes.gov](https://hurricanes.gov)

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# Summary

## Tropical Storm Nicole:

- The center of Nicole briefly emerged over water north of Tampa around 1 PM and is now straddling the coast of the Florida Big Bend region northwest of Cedar Key. At 4:00 PM EST Thursday, Nicole was located about 95 miles southeast of Tallahassee, Florida, and is moving northwest at 15 mph.
- The center of Nicole will move along the coast of the Florida Big Bend region for the next few hours before moving northward over Georgia later tonight.
- While maximum sustained winds continue to decrease to 45mph, **Nicole remains a large tropical storm**. Tropical storm-force winds gusts have been recently observed across the northern Peninsula near and north of I-4 and across the Big Bend coastline.
- Nicole is expected to weaken to a depression over Georgia tonight and is expected to merge with a frontal boundary by Friday night.

## Florida Outlook:

- Nicole will continue to produce coastal flooding, strong winds, storm surge, heavy rain along portions of North Florida tonight.
- A Tropical Storm Warning remains in effect for 29 counties across North Florida. Conditions will begin to gradually improve from south to north through the night and additional Tropical Storm Warning cancellations can be expected.
- Elevated tides, ocean swells, and strong winds will push water upstream through the St. Johns, leading to coastal flooding along the river during the next high tide cycle.
- Lingering high surf of 6-10' can be expected to continue tonight along portions of the East Coast, which may result in continued coastal erosion at times of high tide.
- A Storm Surge Warning remains in effect for the east coast north of the Flagler/Volusia County Line, including the St. Johns River, and along the Florida West Coast between the Anclote River to the Ochlockonee River. All Storm Surge Watches have been cancelled.
- Widespread rainfall totals of 1.5-4" have been observed along Peninsula over the past 24 hours. Higher rainfall totals of 4-6" have been observed along the I-4 corridor, over portions of Southwest Florida, and along the I-95 corridor in Northeast Florida. An additional 1-3" of rain is possible tonight across portions of the North and West Central Florida, leading to a slight risk of flash flooding and rises on local rivers.
- Flooding along the upper St. Johns River could persist for several weeks.
- Although the Tornado Watch has been cancelled, isolated tornadoes remain possible in the outer bands of Nicole.

The next briefing packet will be issued on Friday. For the latest information, please visit the [National Hurricane Center website](#).



# Tropical Update

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Created by:

Amy Godsey, Chief State Meteorologist

[Amy.Godsey@em.myflorida.com](mailto:Amy.Godsey@em.myflorida.com)

State Meteorological Support Unit

Florida Division of Emergency Management

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