



Tropical Update



12:00 PM EDT

Tuesday, September 27, 2022

Major Hurricane Ian

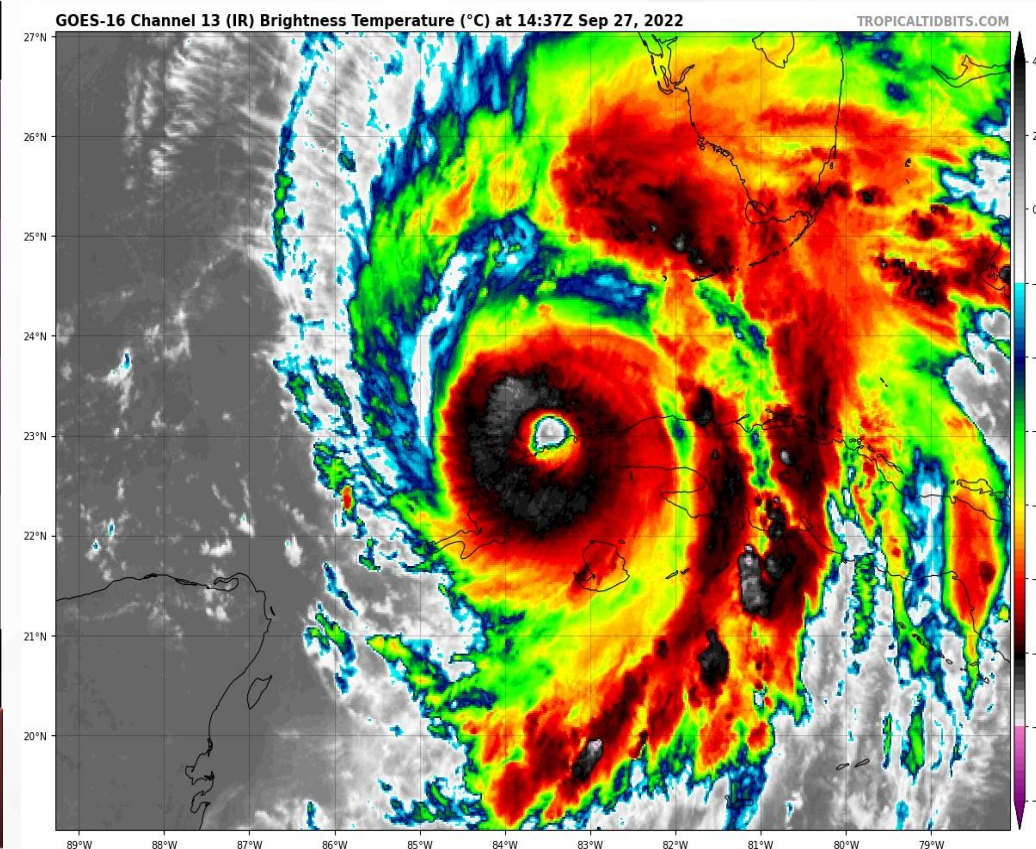
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an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



Major Hurricane Ian

11 AM ET Tuesday: Florida Threats & Changes Since Last Packet

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



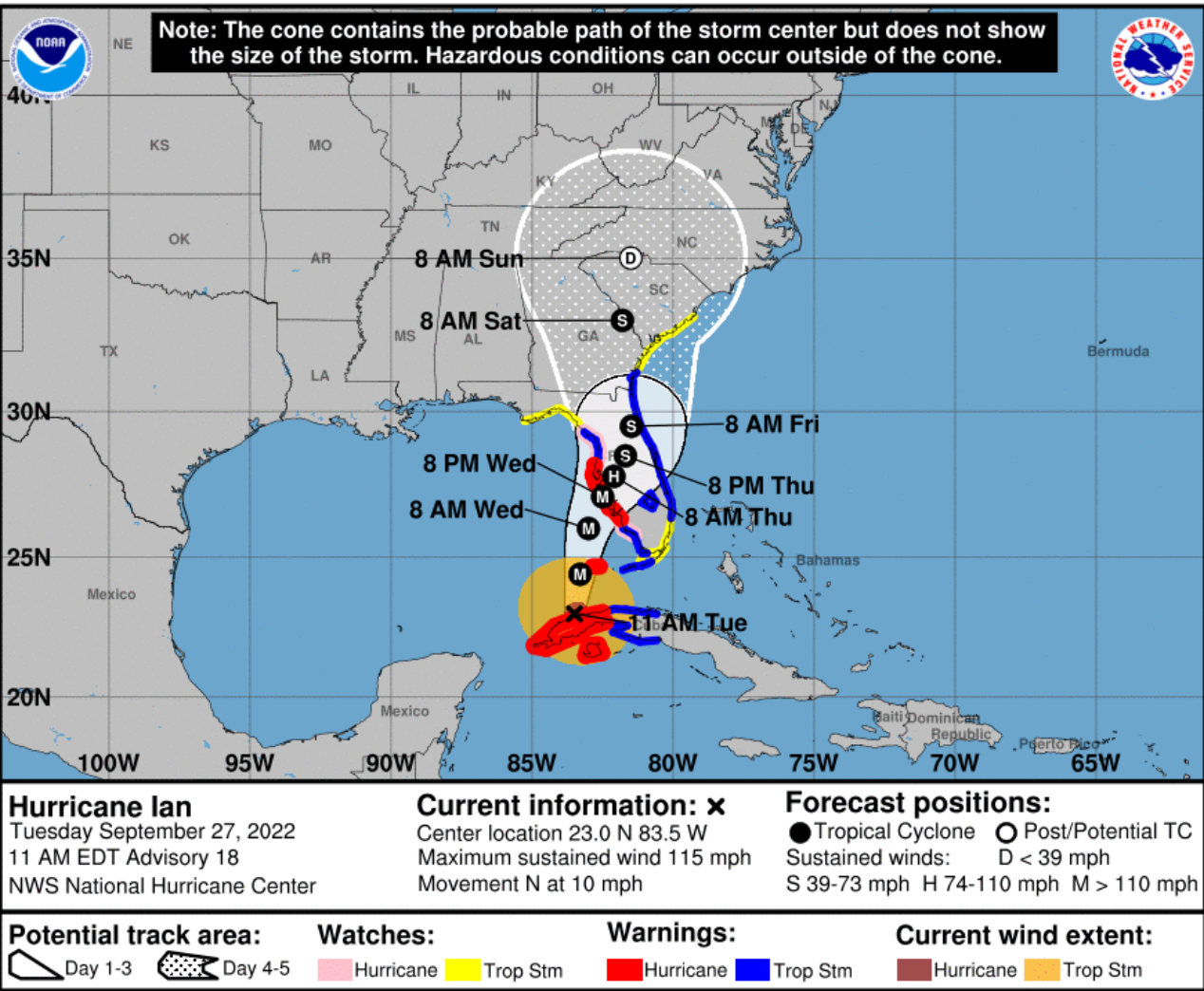
Overview/Recent Changes:

Ian has emerged from Cuba into the southeastern Gulf of Mexico as a Category 3 hurricane. Storm Surge Warnings are now in effect for parts of Northeast FL including the St. Johns River and the Dry Tortugas and parts of the Nature Coast. A Hurricane Watch is now in effect from Bonita Beach to Chokoloskee. A Tropical Storm Warning is now in effect for the East Coast from Boca Raton northward with a Tropical Storm Watch south of Boca Raton through the Keys. Storm Surge Values have also increased to 8 to 12 feet from Longboat Key to Bonita Beach and Charlotte Harbor.



Forecast Cone

Major Hurricane Ian ([LINK](#))



- **Location:** 125 miles SSW of Dry Tortugas or 305 miles SSW of Sarasota
- **Maximum Sustained Winds:** 115 mph, Category 3
- **Current Movement:** N at 10 mph
- **FL Watches/Warnings:**
 - **Hurricane Warnings:** Bonita Beach to Anclote River, including Tampa Bay; Dry Tortugas
 - **Tropical Storm Warnings:** Suwannee River to Anclote River; Flamingo to Bonita Beach; Lower and Middle Keys; all East Coast north of Boca Raton; Lake Okeechobee
 - **Tropical Storm Watch:** Suwannee River to Indian Pass; Boca Raton to Flamingo; Upper Florida Keys
 - **Hurricane Watch:** Anclote River to Suwannee River; Bonita Beach to Chokoloskee

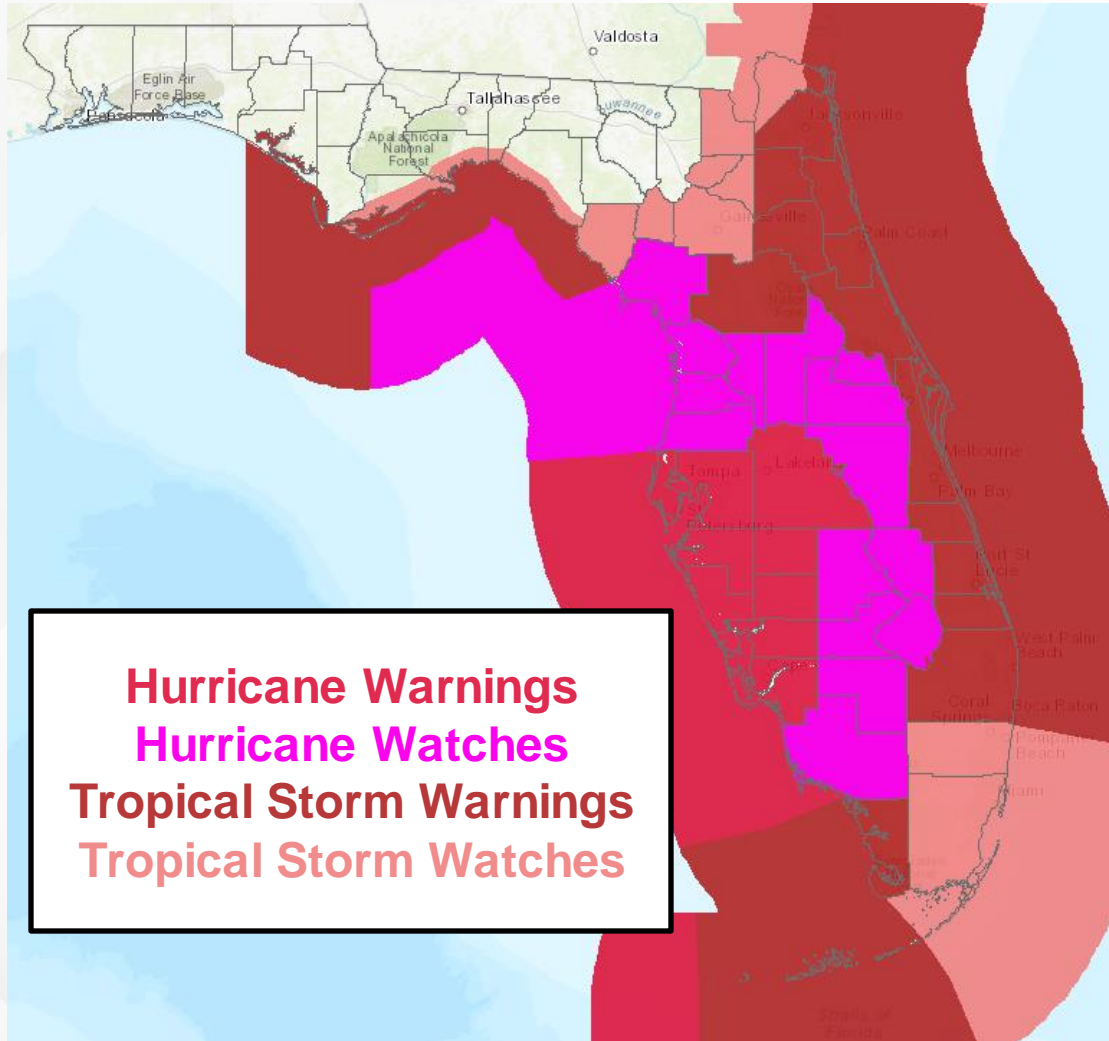
A northward motion is expected today, followed by a turn to the north-northeast with a decrease in speed tonight and Wednesday. Ian will emerge over the southeast Gulf later this morning and approach the West Coast of Florida Wednesday and Wednesday night.

Strengthening is forecast after Ian emerges into the southeastern Gulf, and Ian is forecast to approach the west coast of Florida as a major hurricane.

Hurricane-force winds extend outward up to 35 miles from the center and tropical-storm-force winds extend outward up to 115 miles.



Active Tropical Watches/Warnings

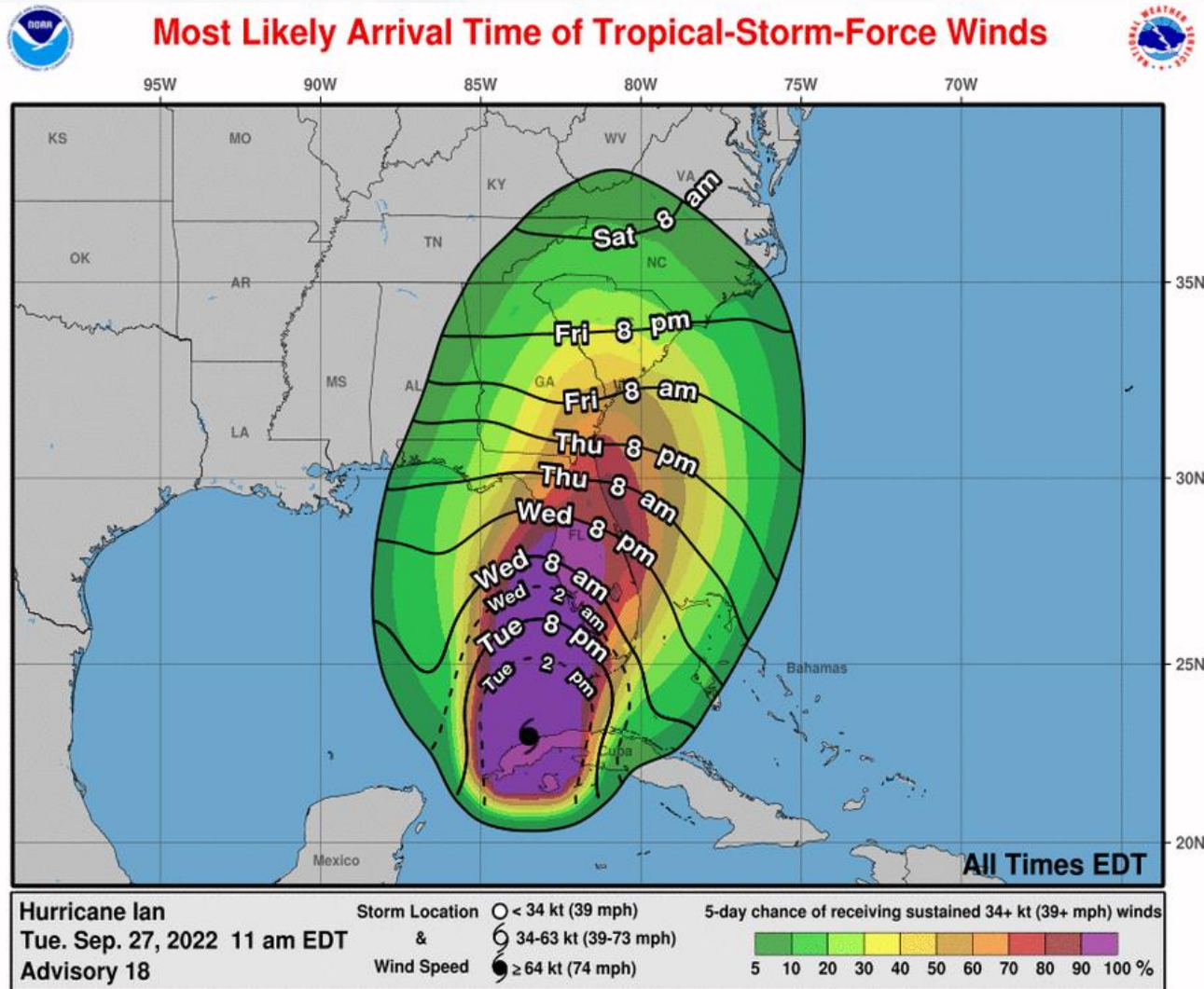


- **Hurricane Warning:**
 - Pinellas, Hillsborough, Polk, Manatee, Sarasota, Hardee, DeSoto, Charlotte, Lee
- **Hurricane Watch:**
 - Levy, Citrus, Hernando, Pasco, Sumter, Lake, Seminole, Orange, Osceola, Okeechobee, Highlands, Glades, Hendry, Collier
- **Tropical Storm Warning:**
 - Levy, Citrus, Hernando, Pasco, Sumter, Lake, Seminole, Orange, Brevard, Polk, Osceola, Hardee, Desoto, Highlands, Okeechobee, Indian River, St. Lucie, Martin, Hendry, Glades, Collier, mainland Monroe, Lower & Middle Keys
- **Tropical Storm Watch:**
 - Coastal Franklin, Coastal Wakulla, Coastal Jefferson, Coastal Taylor, Coastal Dixie, Gilchrist, Alachua, Marion, Bradford, Duval, coastal Nassau, Clay, Putnam, St. Johns, Flagler, Palm Beach, inland Brevard, inland Miami-Dade



Tropical Storm-Force Wind Probabilities

Major Hurricane Ian ([LINK](#))

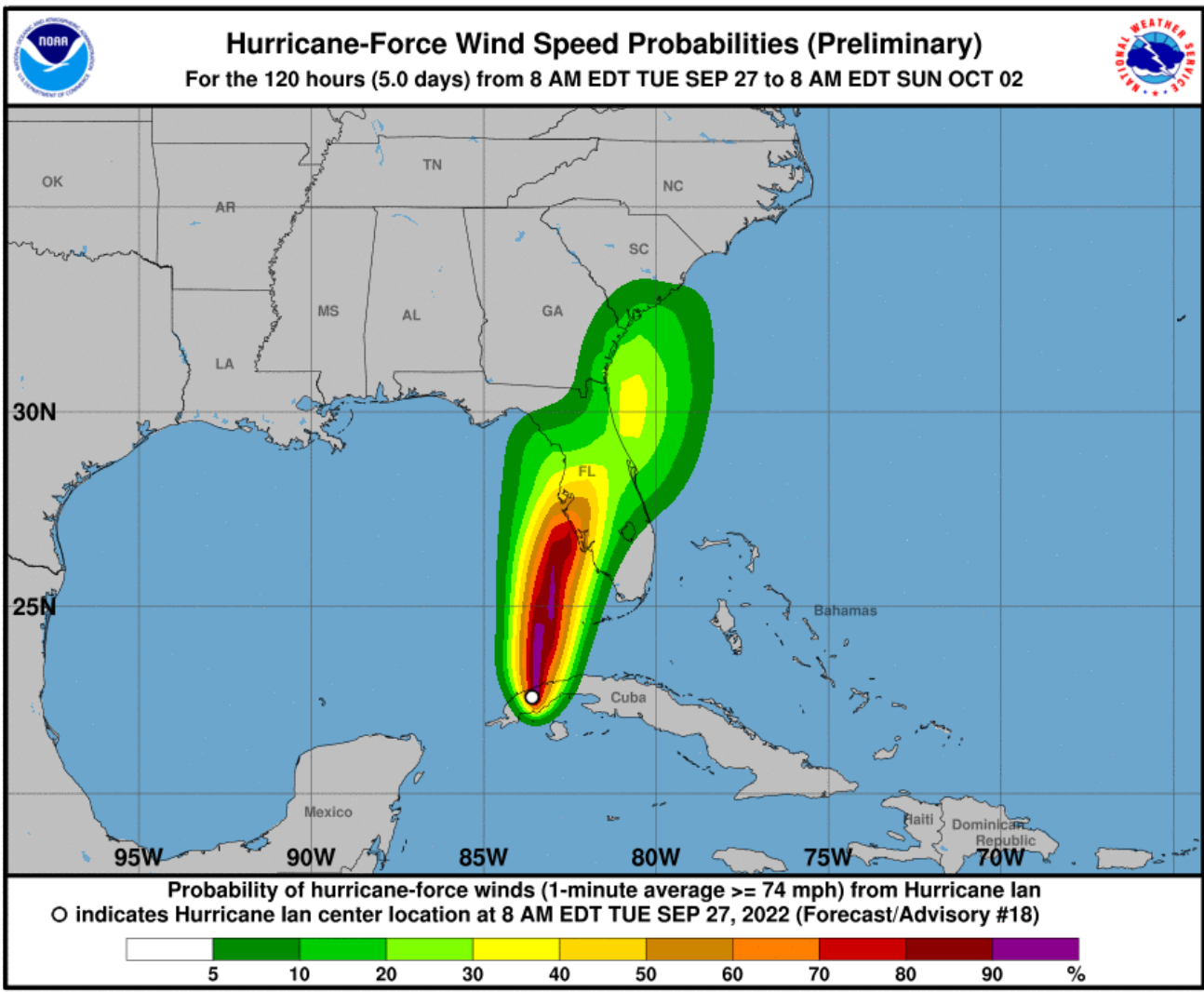


Tropical storm-force winds will continue to spread from south to north over the Florida Keys and southern Peninsula this afternoon and tonight. Tropical storm force winds will spread across much of the Peninsula on Wednesday and into northeast Florida on Wednesday night into Thursday.



Hurricane-Force Wind Probabilities

Major Hurricane Ian ([LINK](#))



There is now a 20-50% chance of hurricane-force winds affecting the West Coast of Florida and coastal Big Bend, with increasing percentages along the Nature Coast and near Tampa Bay.

City	Probability
Naples	32%
Tampa	44%
Cedar Key	16%
Tallahassee	2%
Jacksonville	10%
Orlando	27%



Key Messages

From the National Hurricane Center



Key Messages for Hurricane Ian

Advisory 18: 11:00 AM EDT Tue Sep 27, 2022



1. Life-threatening storm surge, hurricane-force winds, flash floods and possible mudslides are expected to continue in portions of western Cuba today. Devastating wind damage is expected near the core of Ian.

2. Life-threatening storm surge looks increasingly likely along much of the Florida west coast where a storm surge warning is in effect, with the highest risk from Fort Myers to the Tampa Bay region. Residents in these areas should listen to advice given by local officials and follow evacuation orders if made for your area.

3. Hurricane-force winds are expected in the hurricane warning area in southwest and west-central Florida beginning Wednesday morning with tropical storm conditions expected by this evening. Residents should rush all preparations to completion today.

4. Heavy rainfall will increase across the Florida Keys and south Florida today, spreading into central and northern Florida tonight and Wednesday, into the Southeast U.S. by Thursday and Friday, likely causing flash, urban, and small stream flooding. Considerable flooding is expected across central Florida into southern Georgia and coastal South Carolina, with widespread, prolonged moderate to major river flooding expected across central Florida.



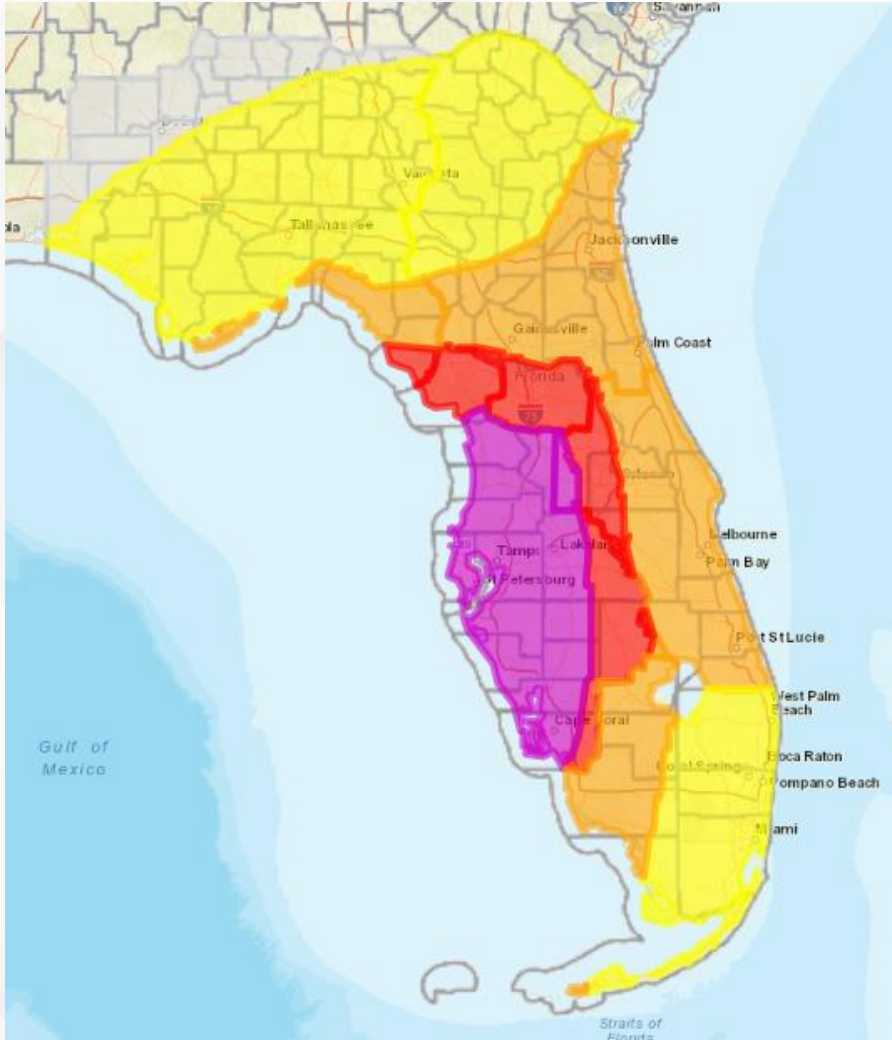
For more information go to hurricanes.gov

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Damaging Wind Threat Overview

Major Hurricane Ian



The greatest wind threat is mainly along the West Florida coastline, where Ian makes its closest approach prior to landfall. The potential for stronger, more damaging wind impacts have expanded inland over the western Peninsula.

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

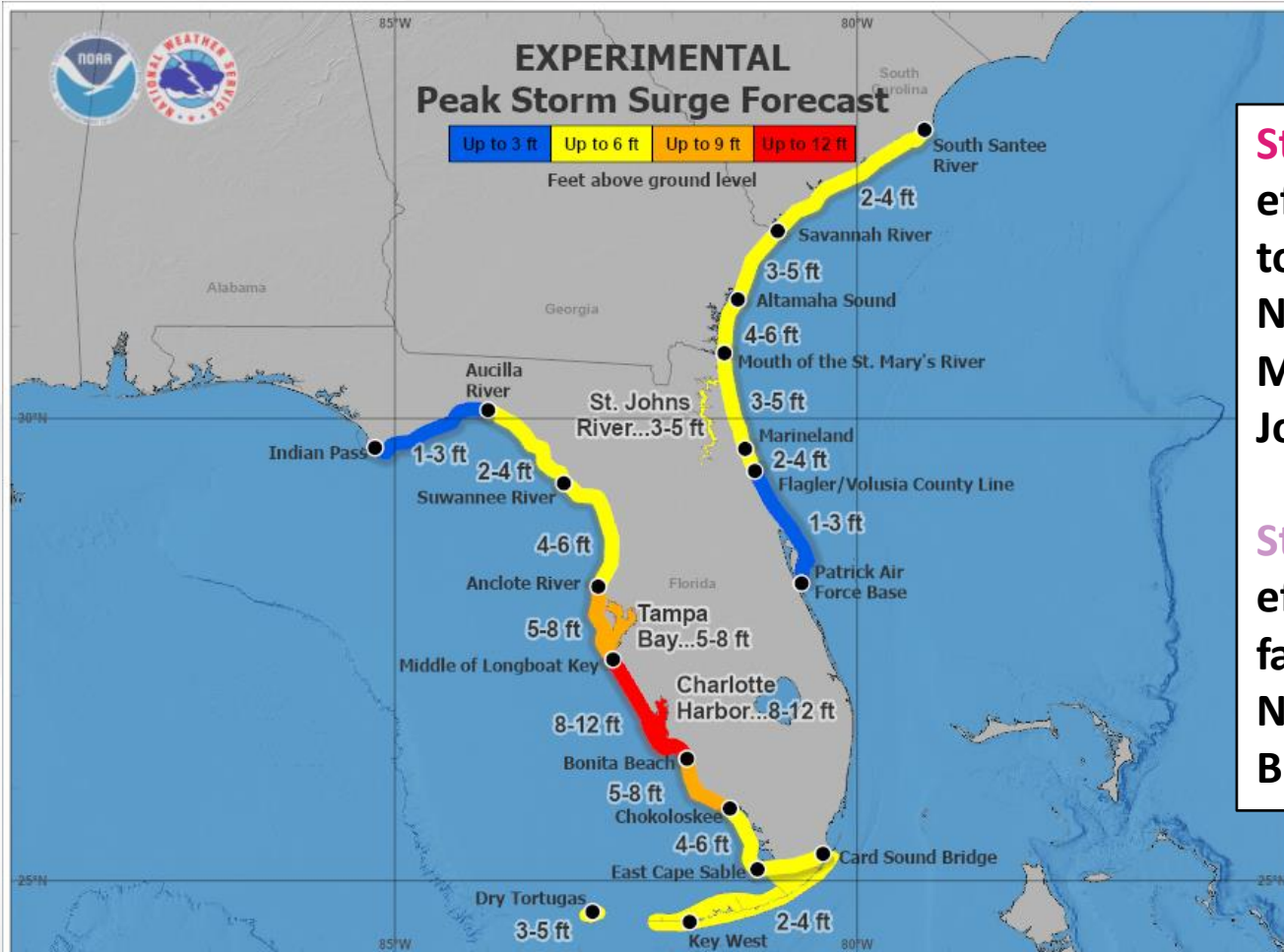
Click on “Threats and Impacts” Tab

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



Surge Watches and Warnings

In Effect Until Further Notice





Hurricane Ian
Tuesday September 27, 2022
11 AM EDT Advisory 18
NWS National Hurricane Center

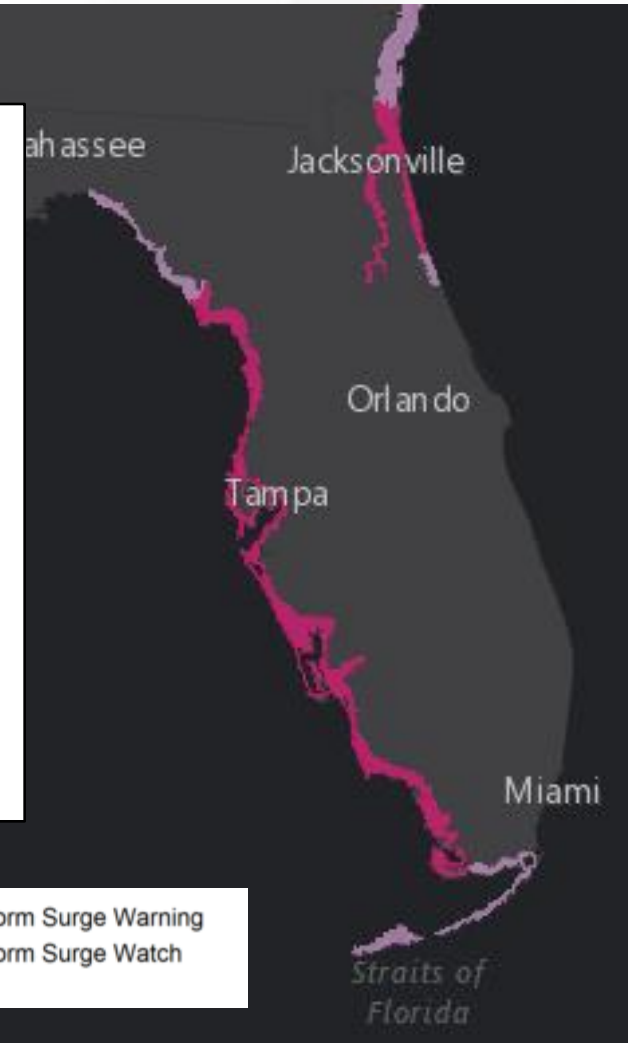
User Notes: Water levels along the immediate coast could reach the following heights above ground level within the indicated areas. Elevated water levels will likely be accompanied by large and destructive waves. Colors are determined by the highest values in the associated forecast peak surge range. Values shown on this graphic are inclusive of tide.

Storm Surge Warnings are in effect from Suwannee River to Flamingo and along Northeast Florida south to Marineland and the St. Johns River

Storm Surge Watches are in effect for the Florida Keys, far South Florida, the Nature Coast and eastern Big Bend and Flagler County

0 50 100mi

 Storm Surge Warning
 Storm Surge Watch

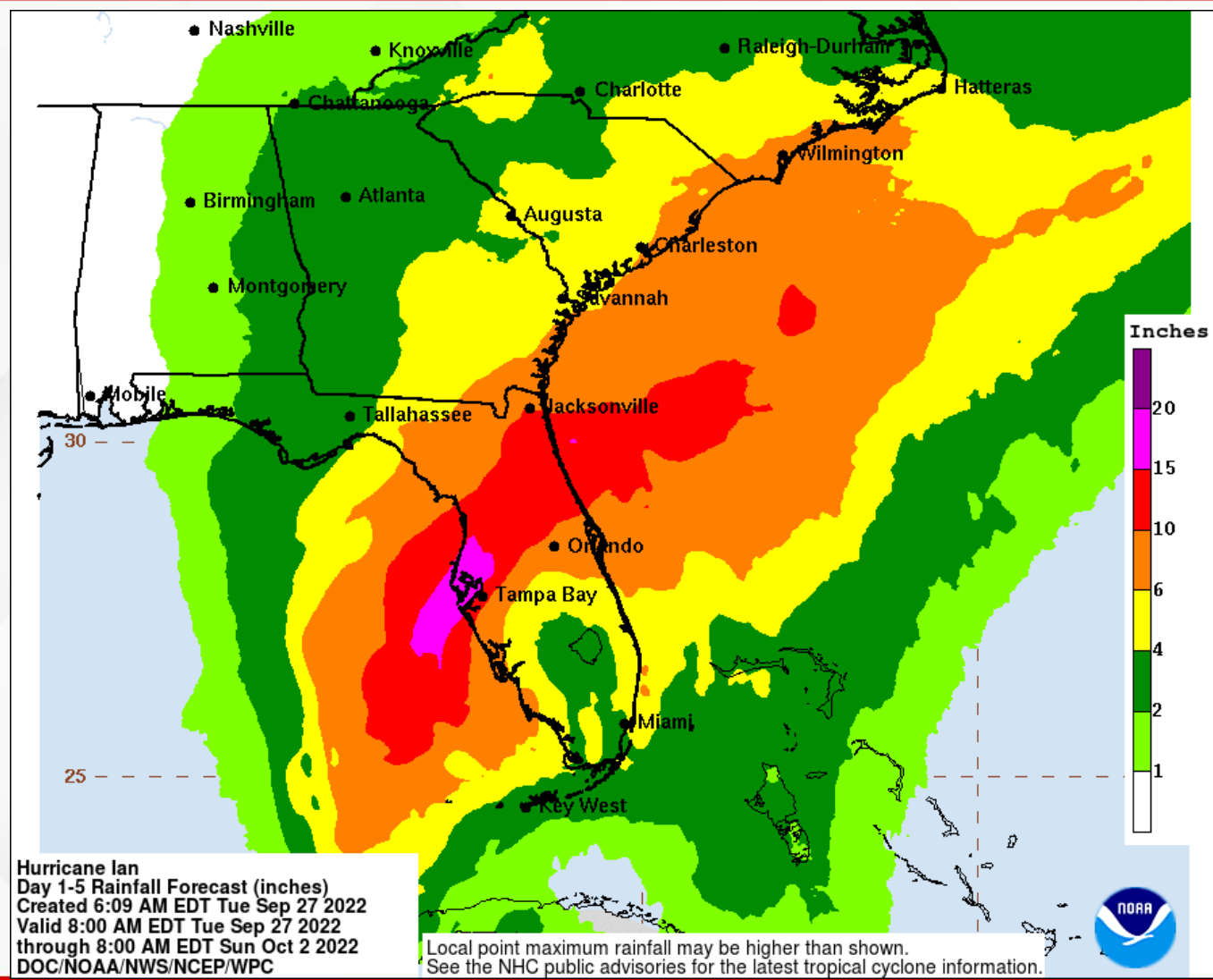


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5-Day Forecast Rainfall

From the Weather Prediction Center









While it is still too early to determine where the heaviest rainfall totals will occur, widespread rainfall totals of 5-10" are possible as Ian moves northward, locally up to 14"

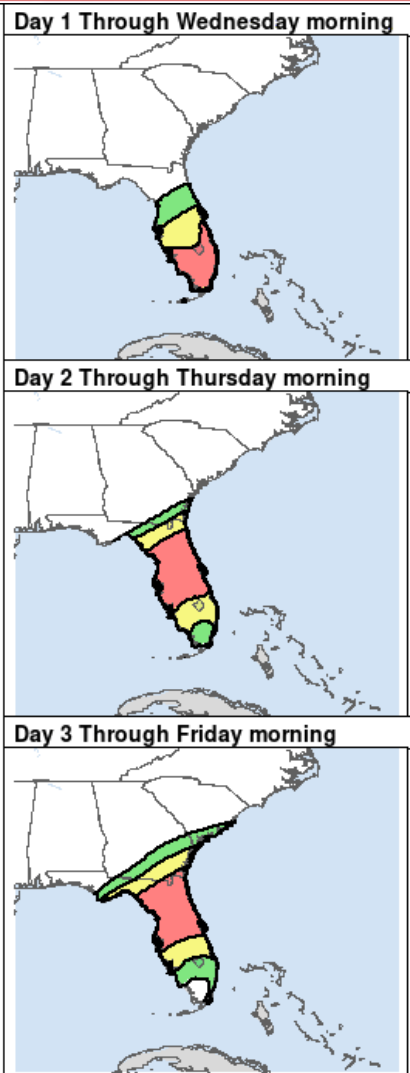
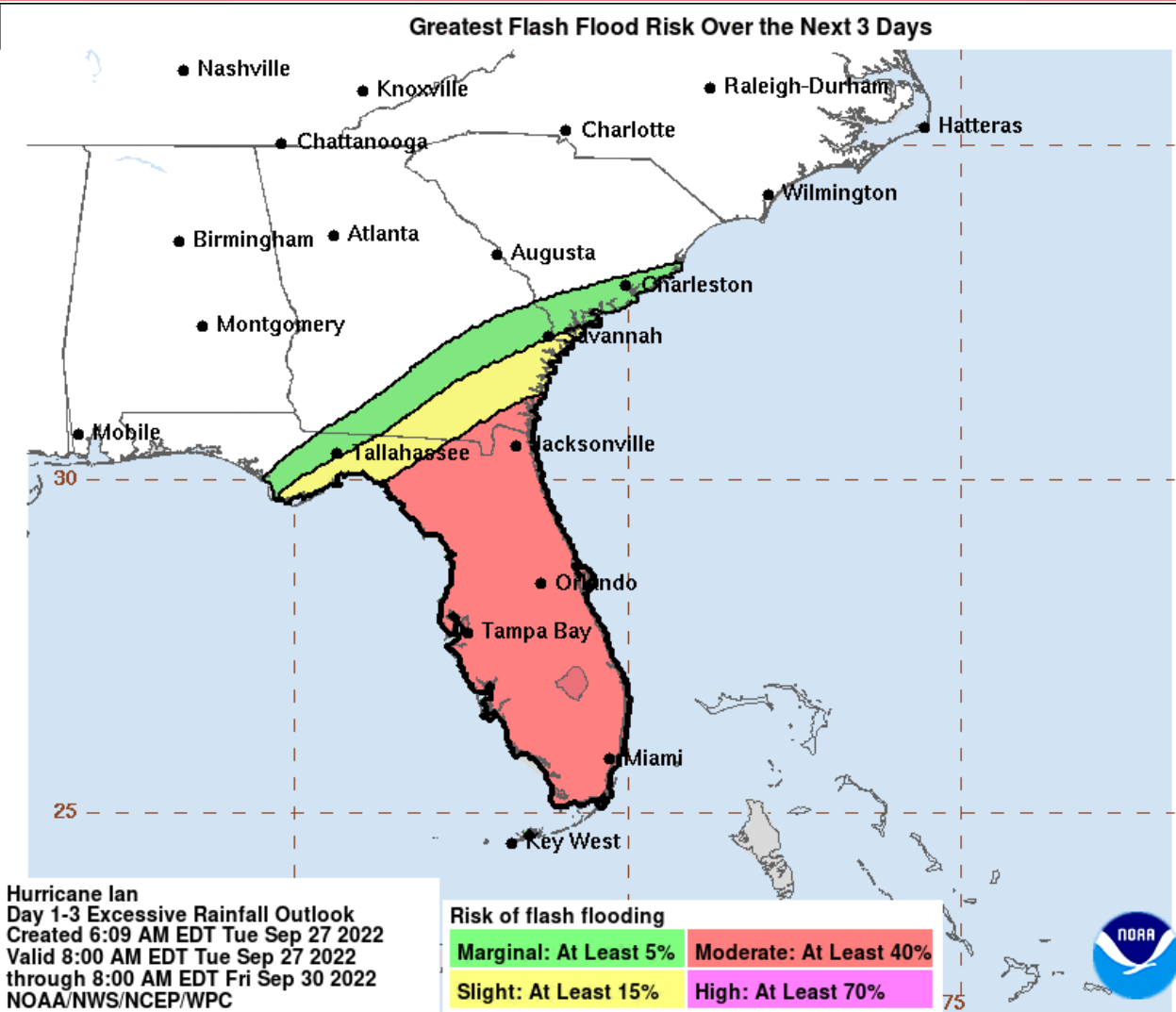
Higher rainfall totals of 12 to 16" with localized areas of 24 to 30" is possible where Ian may stall or slow down.



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.
@NWSWPC				
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				





Flood Watches in Effect

From the National Weather Service



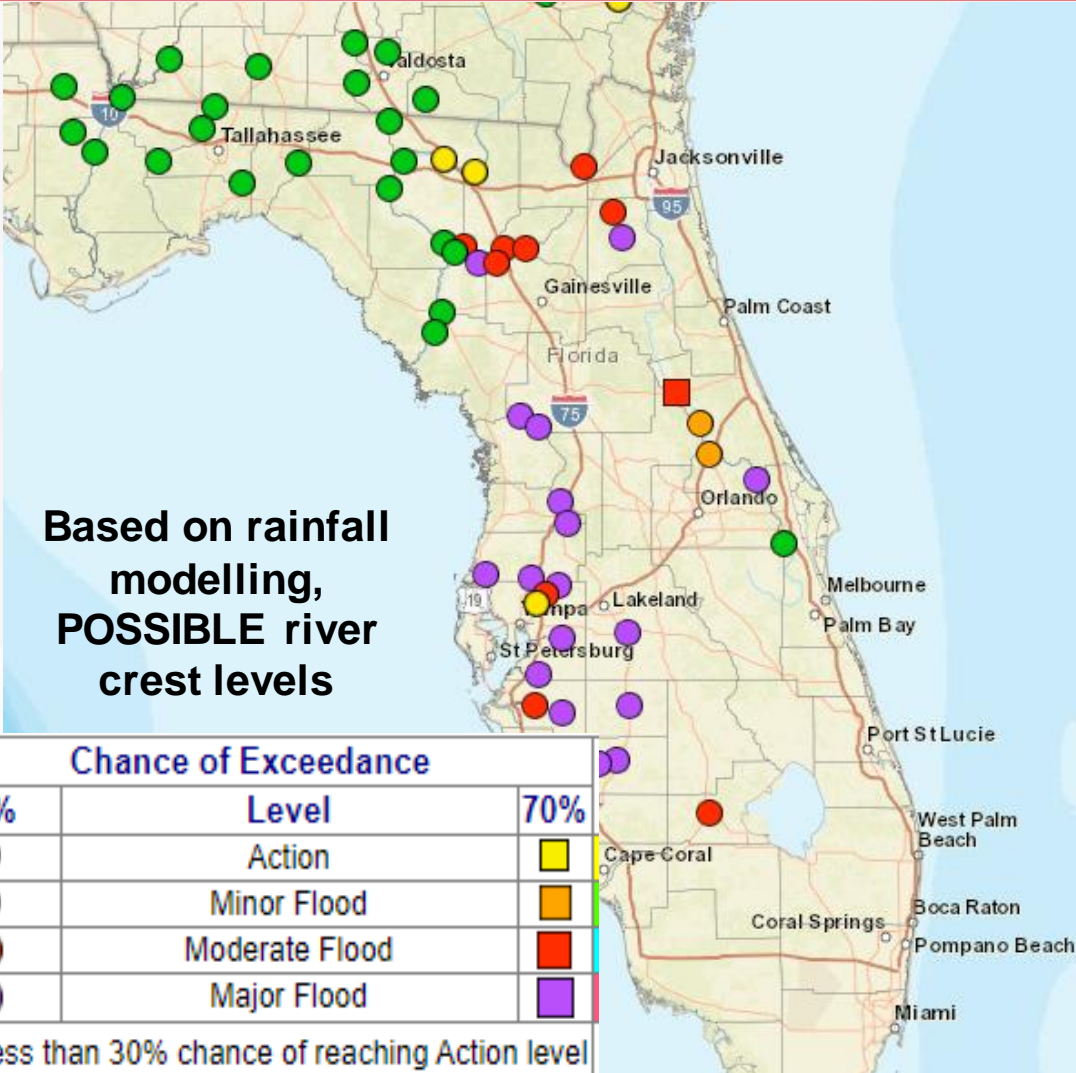
Flood Watches are in effect for the entire Florida Peninsula.

- Florida Keys: in effect until 6:00 AM EDT Wednesday morning (9/28)
- South Florida: in effect until 8:00 AM EDT Thursday morning (9/29)
- Central Florida: in effect until 2:00 AM EDT Friday morning (9/30)
- Northeast Florida: in effect until 2:00 PM EDT Friday afternoon (9/30)



Possible River Flooding

Chance of River Flooding Based on Range of Forecast Rainfall



Many rivers across Peninsula and Northeast Florida could reach moderate to major flood stage over the next several days, and river flooding will likely continue for days after the rainfall ends.



Severe Weather Outlook

From the Storm Prediction Center



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 <u>all</u> 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

Outer rain bands from Ian could result in isolated tornadoes across the state, with an increased risk across the Keys and South Florida Tuesday. The risk will move northward into Central and North Florida on Wednesday and Thursday.



Summary

Major Hurricane Ian:

- At 11 AM EDT Tuesday, Ian was located over western Cuba, about 125 miles SSW of the Dry Tortugas and moving N around 10 mph.
- Ian is emerging over the southeastern Gulf of Mexico, passing west of the Florida Keys later today, and approaching the west coast of Florida within the hurricane warning area on Wednesday and Wednesday night, however, impacts could will continue to spread northward from the southern Peninsula through the remainder of the week.
- As Ian continues to increase in intensity, the storm will also grow in size. Impacts can and will spread well beyond the center; therefore, it is important to **not focus on the exact forecast track of Ian.**

Florida Outlook:

- A **Hurricane Warning** is in effect for 9 Florida Counties, with a **Hurricane Watch** is in effect for 14 additional Peninsula counties.
- **Tropical Storm Warnings** are in effect for 28 Central and South Florida Counties, with Tropical Storm Watches in effect for 14 southeastern and North Florida Counties.
- A **Storm Surge Warning** is in effect from Suwannee River to Flamingo, including Tampa Bay and Charlotte Harbor, and for Marineland to the mouth of the St. Marys River, including the St. Johns River. A **Storm Surge Watch** is in effect for the FL Keys, as well as from the Aucilla River to the Suwannee River and on the East Coast from the Flagler/Volusia Line to Marineland.
- Devastating storm surge values of 8-12 feet are expected from Longboat Key to Bonita Beach; 4-8 feet along the Nature Coast and Southwest Florida Coast south of Bonita Beach (including Tampa Bay); and 2-5 feet for eastern Apalachee Bay, the Northeast Florida coast (including the St. Johns River), and the Florida Keys and southern Southwest Florida
- Tropical storm-force winds may arrive on this afternoon or evening the Keys and coastal Southwest Florida. Tropical storm-force winds may then spread from south to north along portions of the Peninsula Wednesday and could arrive in the Northeast Florida by Thursday. Hurricane conditions could arrive in West Central Florida Wednesday afternoon.
- Rainfall will be a major and potentially catastrophic hazard with this storm. While most of the Peninsula will receive 5-10" of rain with isolated higher amounts up to 14" possible, some areas in West Central Florida near the track of Ian could experience 12-16" of rain with localized totals of 24-30" are possible. Heavy rainfall of 5-12" is also possible in the Florida Big Bend and Northeast Florida, but these totals will depend on the ultimate track of Ian. 4-6" of rain with locally higher amounts up to 8" are forecast for South Florida and the Keys. A **Flood Watch** is in effect for all of the Florida Peninsula.
- Isolated tornadoes occurred in the Keys overnight, and the continued risk for tornadoes exists today for Central and South Florida areas south of I-4.

The next briefing packet will be issued following the 11:00 AM Advisory. For the latest information, please visit the [National Hurricane Center website](#).



Tropical Update

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