



Tropical Update



8:00 AM EDT

Tuesday, September 27, 2022

Major Hurricane Ian

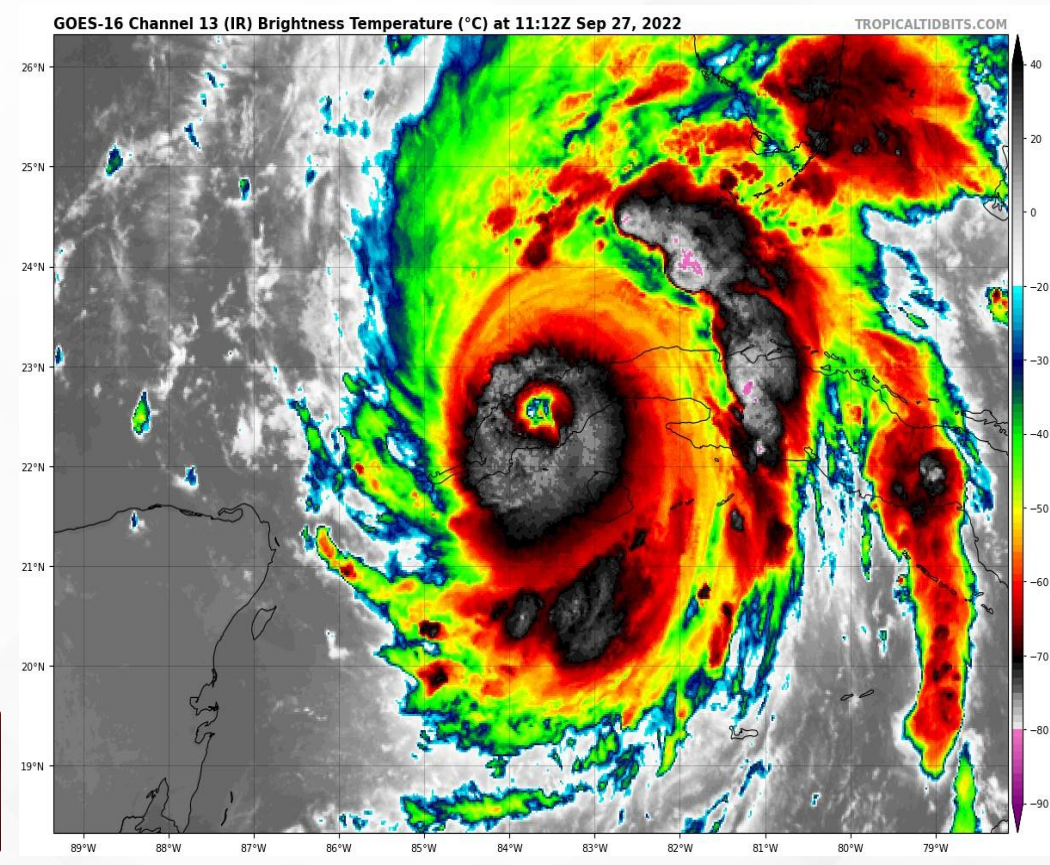
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an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

8 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					

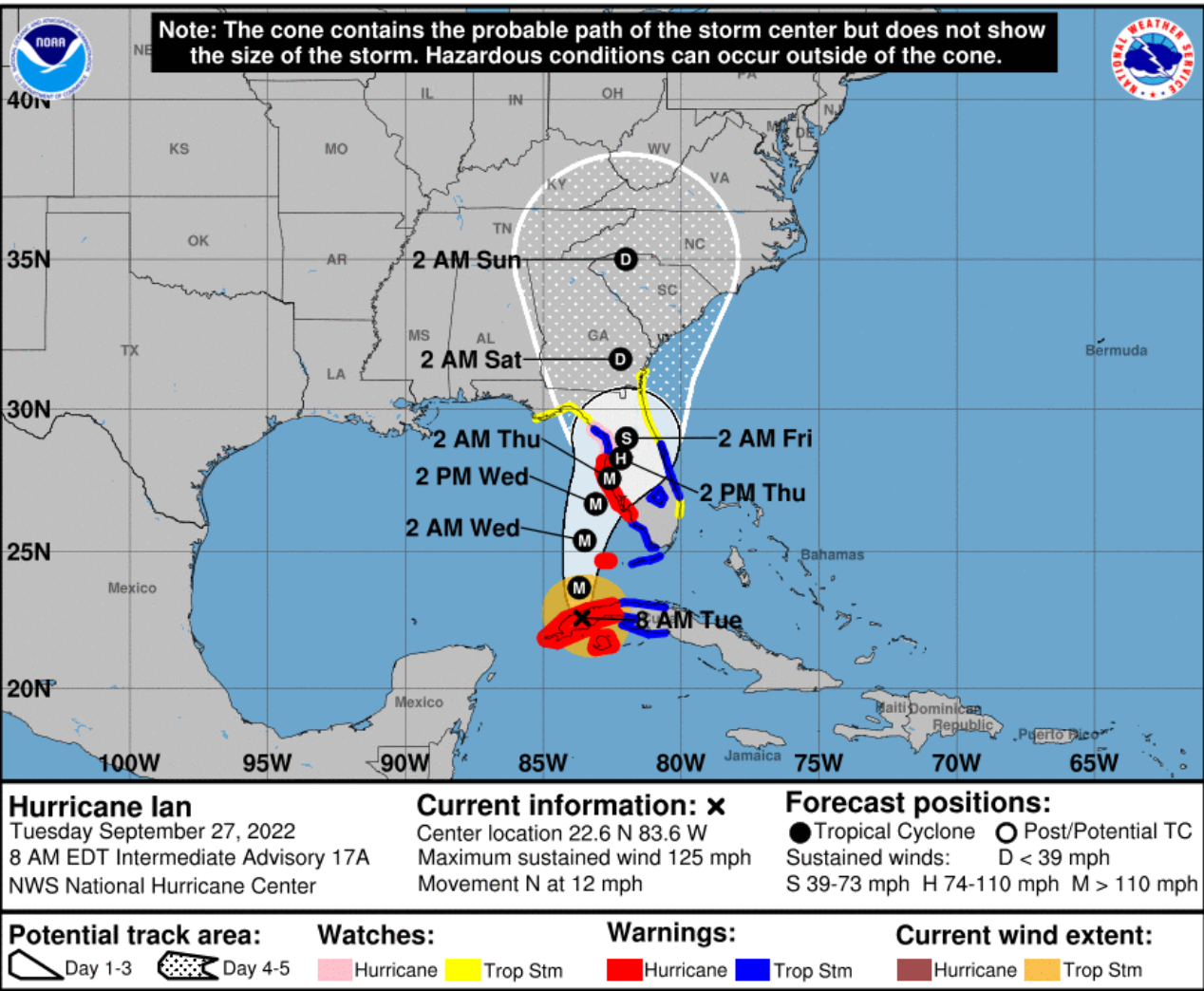


Overview/Recent Changes:
Ian was upgraded to a major Category 3 hurricane overnight is located about 200 miles southwest of Key West, Florida. Tropical Storm Warnings have been expanded to additional inland Peninsula counties, with Hurricane Watches now in effect for Lake County. Storm surge forecasts have increased to 5 to 10 feet southward to Bonita Beach and up to 4 to 7 feet from Bonita Beach to Chokoloskee.



Forecast Cone

Major Hurricane Ian ([LINK](#))



- **Location:** near Pinar Del Rio Cuba or about 175 miles SSW of the Dry Tortugas
- **Maximum Sustained Winds:** 125 mph, Category 3
- **Current Movement:** N at 12 mph
- **FL Watches/Warnings:**
 - **Hurricane Warnings:** Bonita Beach to Anclote River, including Tampa Bay; Dry Tortugas
 - **Tropical Storm Warnings:** Lower Keys; Flamingo to Bonita Beach; Suwannee River to Anclote River, Volusia/Brevard line to Jupiter; Lake Okeechobee
 - **Tropical Storm Watch:** Suwannee River to Indian Pass; Volusia/Brevard Line northward; Deerfield Beach to Jupiter
 - **Hurricane Watch:** Anclote River to Suwannee River

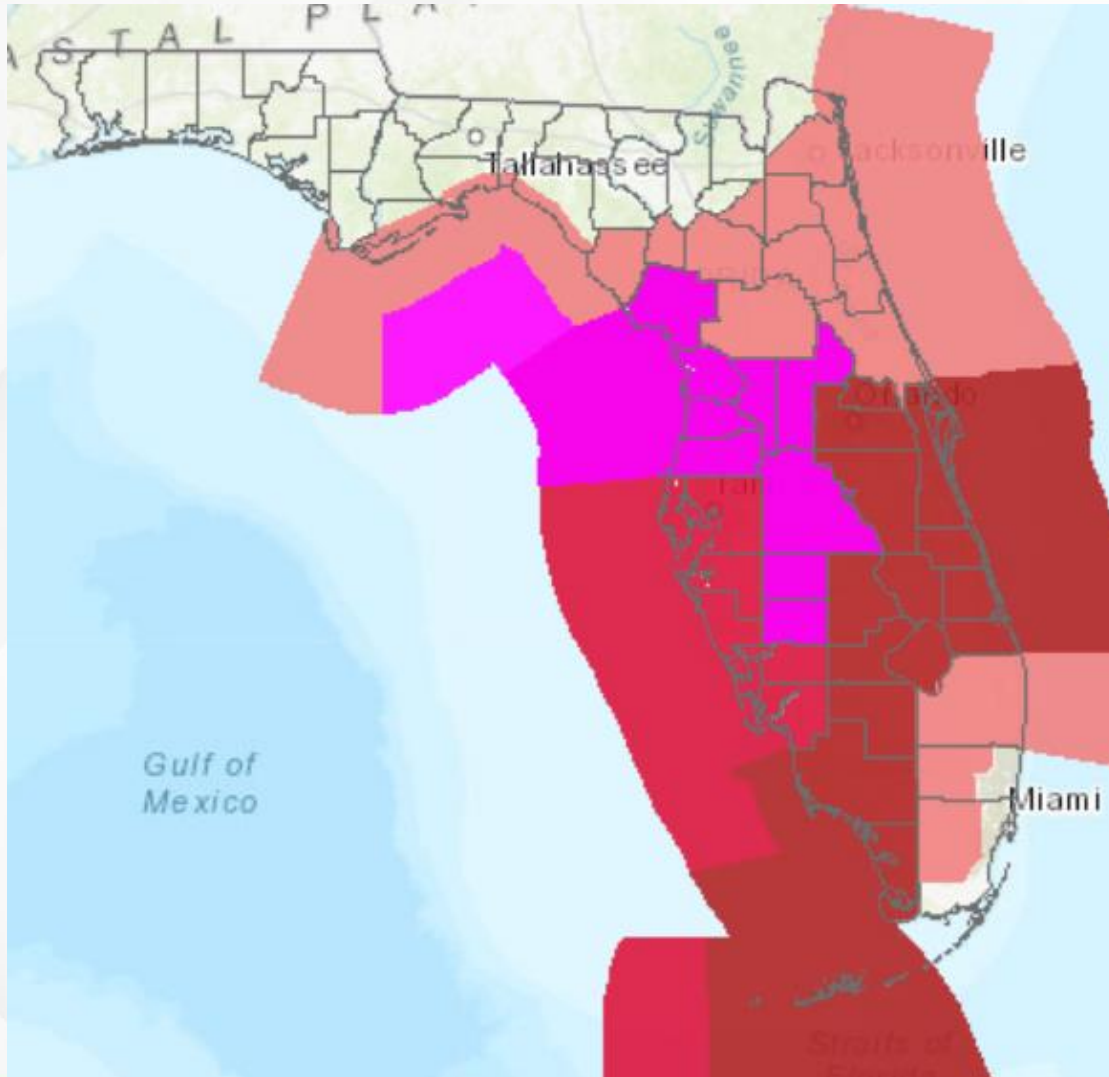
A northward motion is expected today, followed by a turn to the north-northeast with a decrease in speed tonight and Wednesday. Ian will emerge over the southeast Gulf later this morning and approach the West Coast of Florida Wednesday and Wednesday night.

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

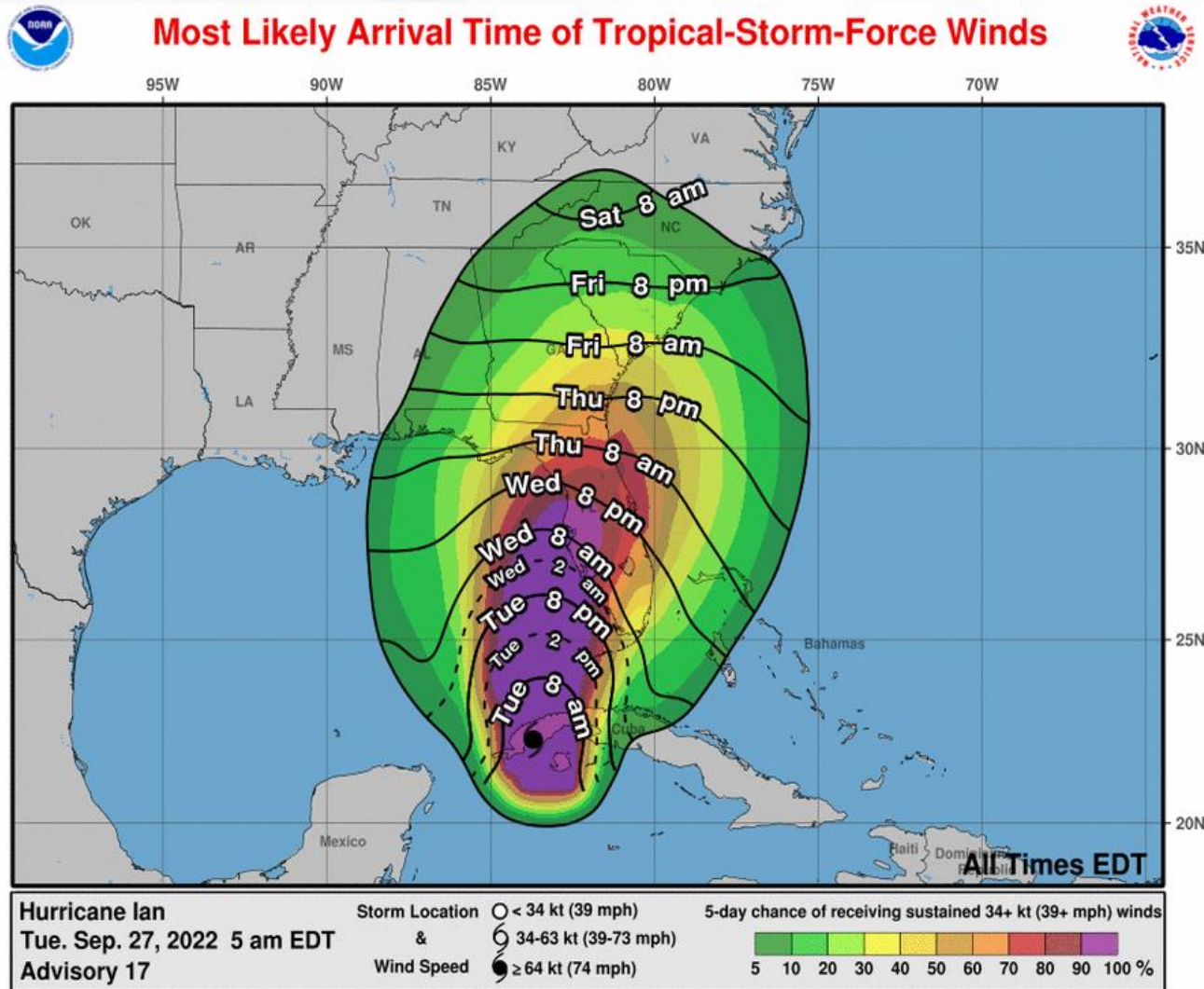


- **Hurricane Warning:**
 - Pinellas, Hillsborough, Manatee, Sarasota, Charlotte, Lee, the Dry Tortugas
- **Hurricane Watch:**
 - Levy, Citrus, Hernando, Pasco, Sumter, Lake, Polk, Hardee, Desoto
- **Tropical Storm Warning:**
 - Levy, Citrus, Hernando, Pasco, Sumter, Lake, Seminole, Orange, Brevard, 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](#))



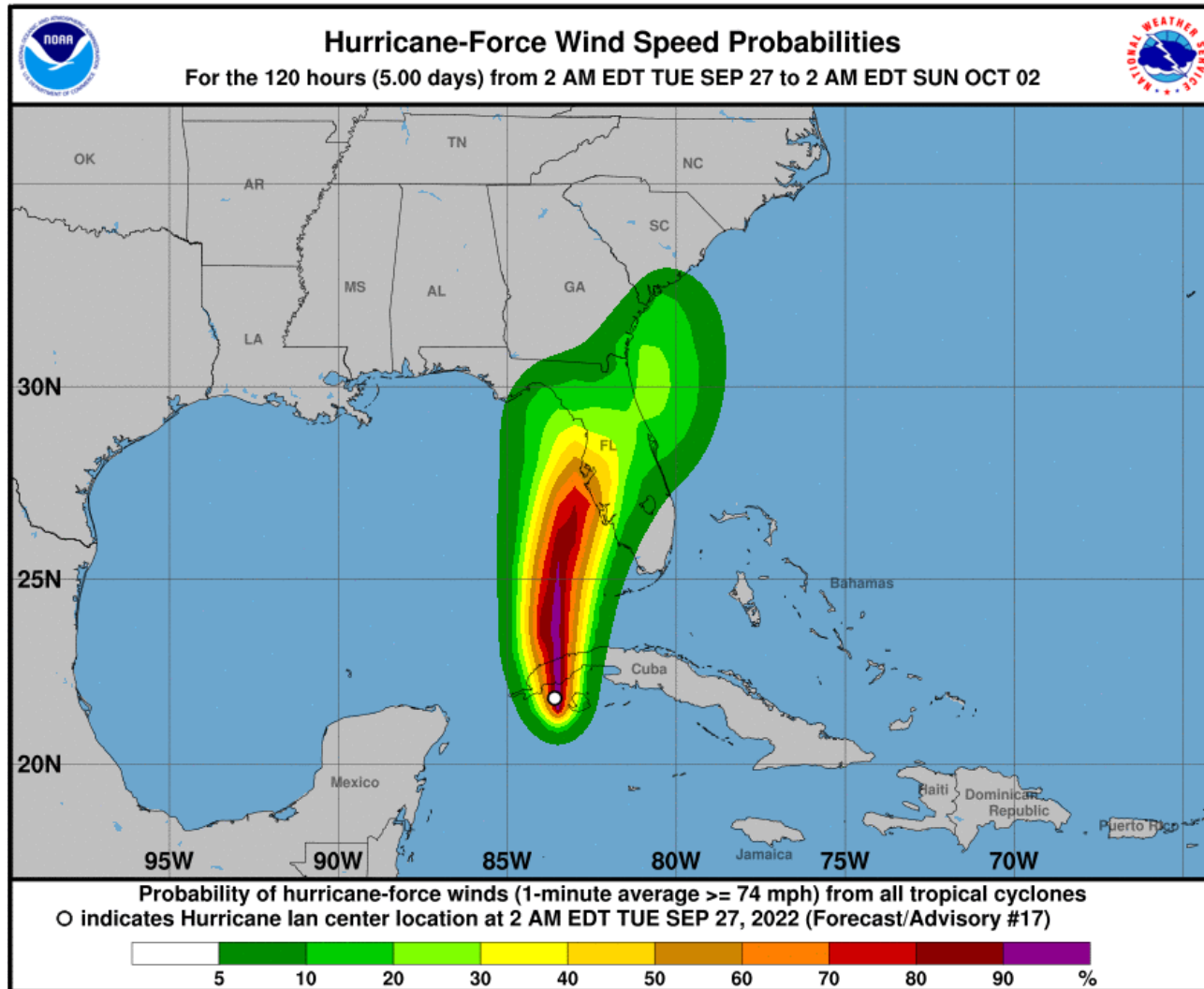
Fast moving showers and thunderstorms have started to produce tropical storm-force gusts along the Florida Keys overnight last night.

Tropical storm-force winds will continue to spread from south to north over the Florida Keys and southern Peninsula Tuesday morning and afternoon. Tropical storm-force winds may begin as early as Tuesday evening across portions of South Florida and Wednesday morning across Central Florida, but are more likely to begin late tonight in southwest Florida and during the day Wednesday in Central Florida.



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	21%
Tampa	49%
Cedar Key	25%
Tallahassee	4%
Jacksonville	11%
Orlando	20%

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Key Messages

From the National Hurricane Center



Key Messages for Hurricane Ian

Advisory 17: 5:00 AM EDT Tue Sep 27, 2022



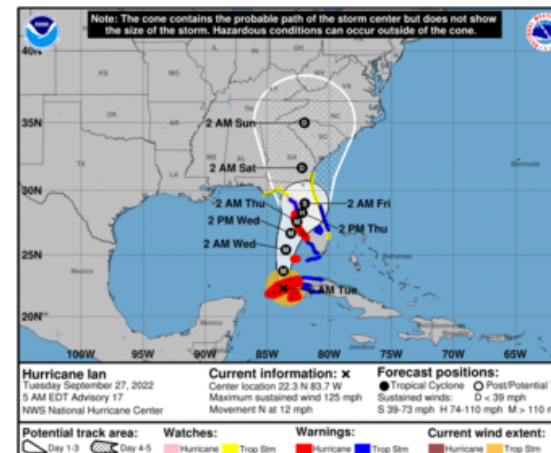
1. Life-threatening storm surge, hurricane-force winds, flash floods and possible mudslides are expected in portions of western Cuba today. Devastating wind damage is expected where the core of Ian moves across western Cuba this morning.

2. There is a danger of life-threatening storm surge along much of the Florida west coast where a storm surge warning has been issued, with the highest risk from Fort Myers to the Tampa Bay region. Residents in these areas should listen to advice given by local officials.

3. Hurricane-force winds are expected in the hurricane warning area in west-central Florida beginning Wednesday morning with tropical storm conditions expected by late today.

4. Heavy rainfall will spread across western Cuba through Tuesday. This will likely produce instances of flash flooding and possible mudslides in areas of higher terrain over western Cuba.

5. Heavy rainfall will increase across the Florida Keys and South Florida Tuesday, spreading into central to northern Florida Wednesday and Thursday, and the Southeast by Friday and Saturday, likely causing flash, urban, and small stream flooding. Considerable flooding is expected across Central Florida into southern Georgia and coastal South Carolina, with significant, prolonged river flooding expected across central to northern Florida.



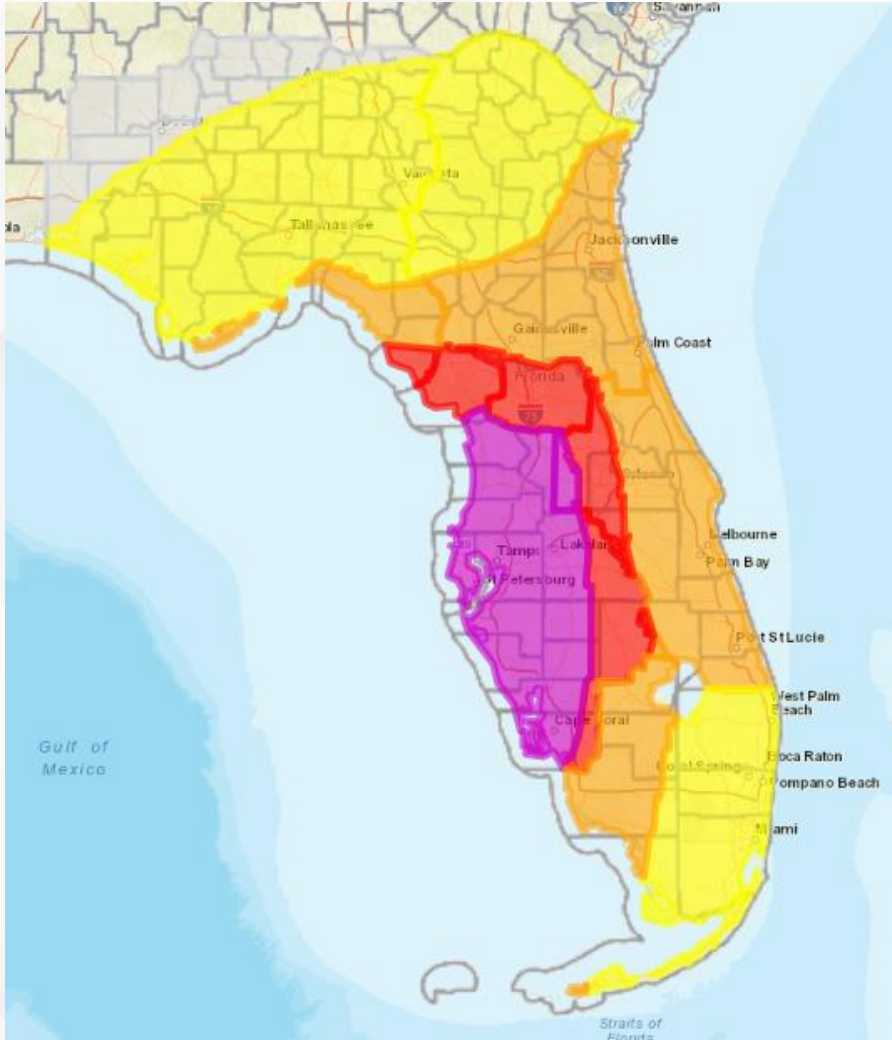
For more information go to hurricanes.gov

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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](https://www.weather.gov/srh/tropical?office=mfl)

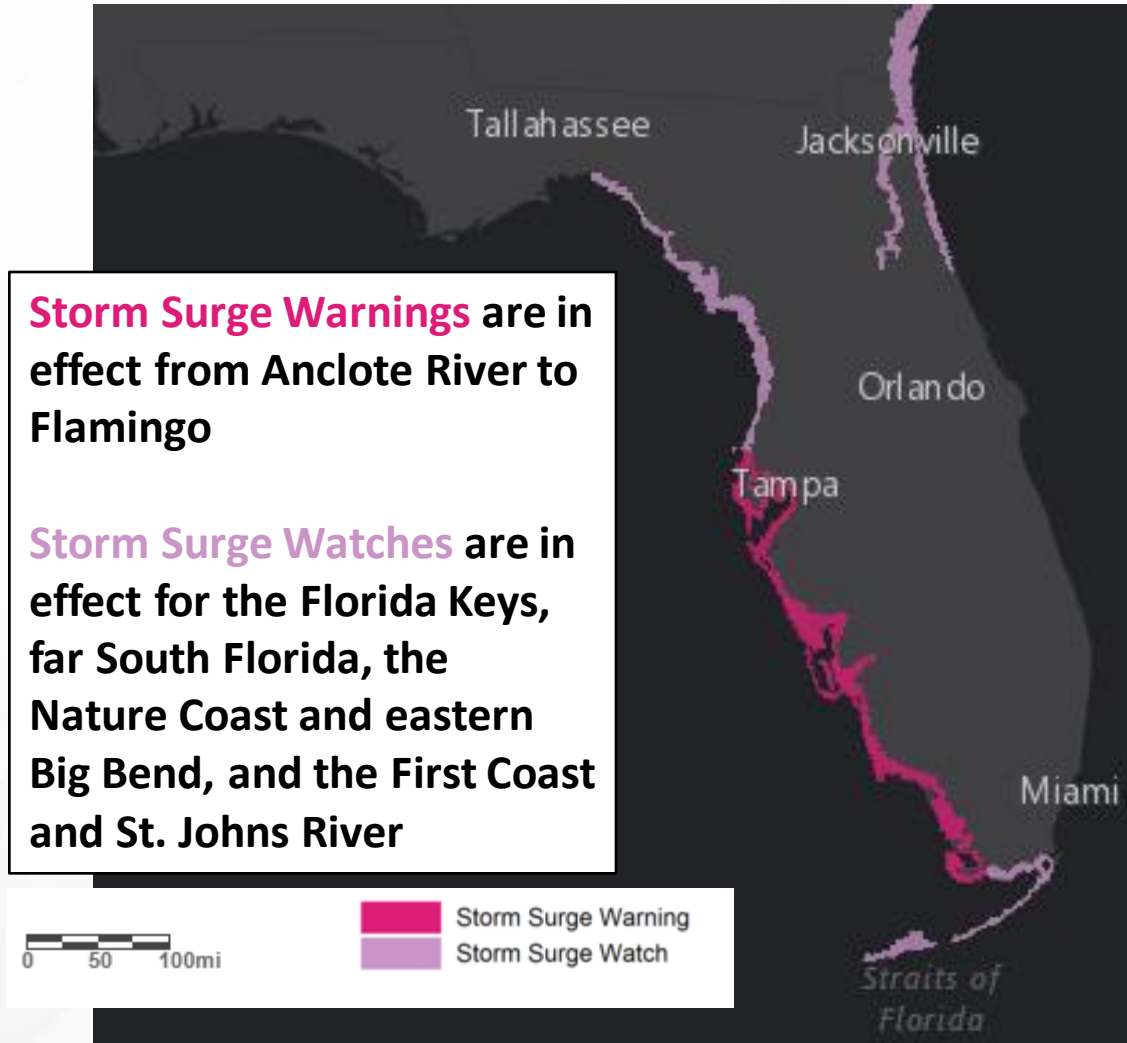
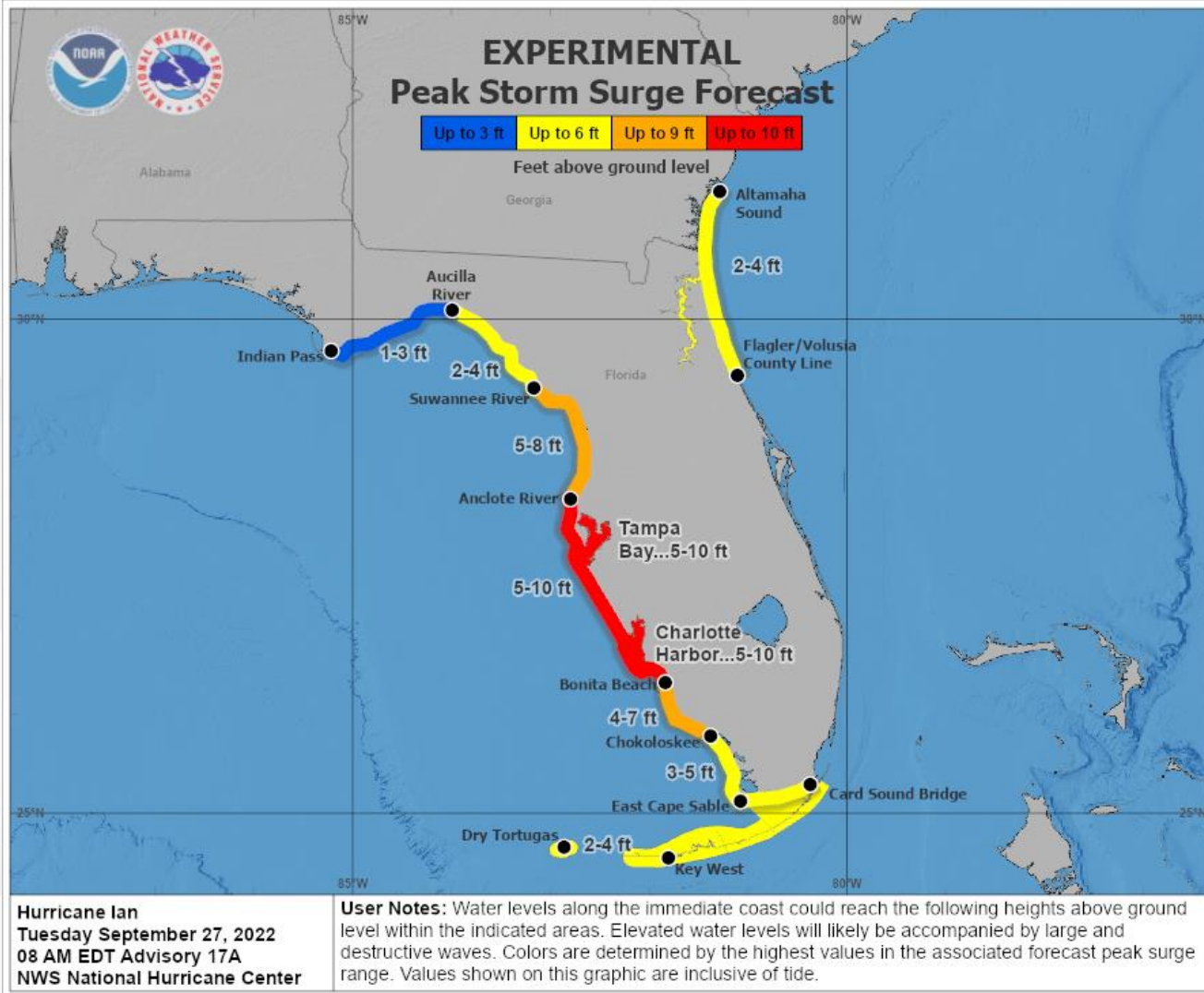
Click on “Threats and Impacts” Tab

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

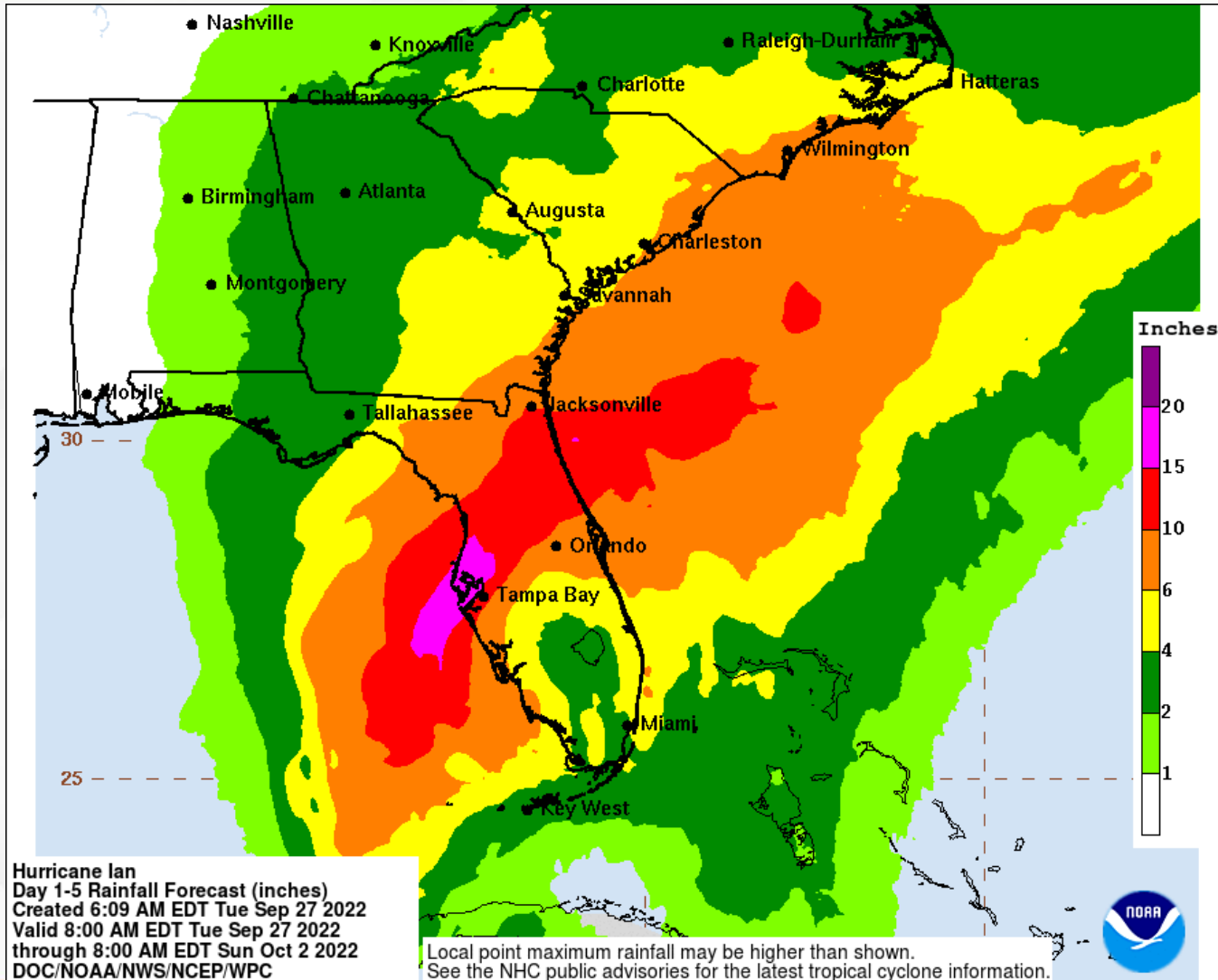


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5-Day Forecast Rainfall

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"

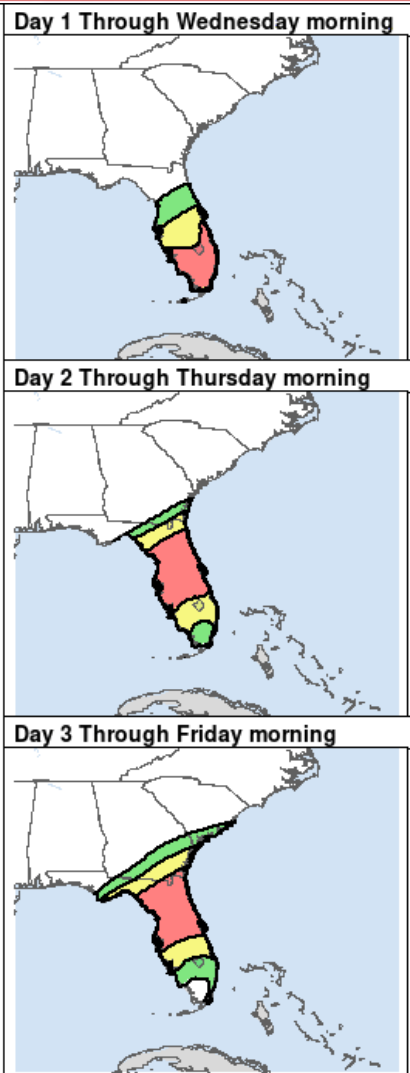
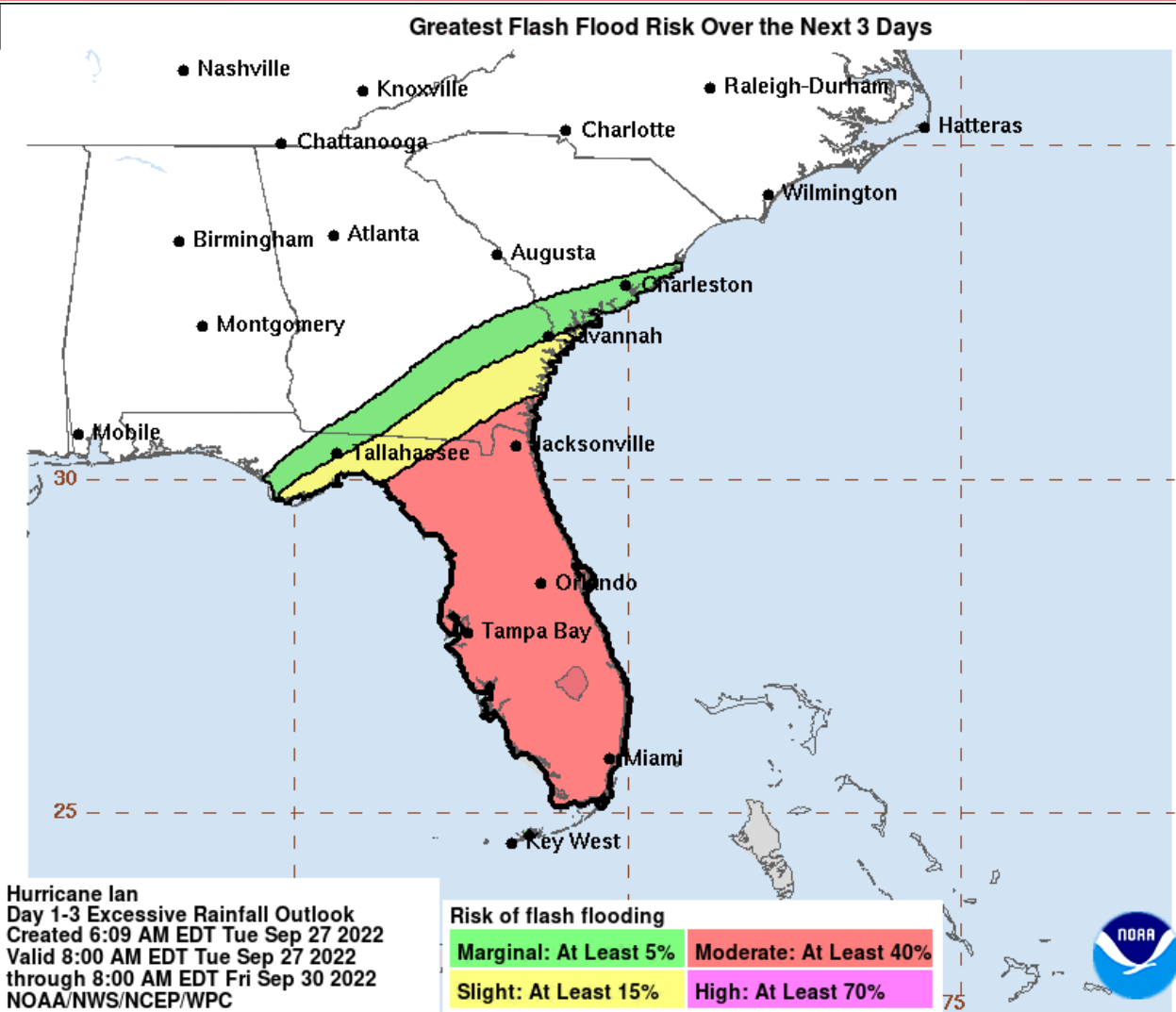
Higher rainfall totals of 12 to 16" with localized areas of 24 to 30" is possible where Ian may stall or slow down.



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 Watch
in Effect

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)



Severe Weather Outlooks

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 2:00 AM EDT Tuesday, Ian was upgraded to a major hurricane while located near the Isle of Youth, Cuba.
- As of 8 AM EDT Tuesday, Ian was located over western Cuba, about 130 miles SSW of the Dry Tortugas and moving N around 12 mph.
- Ian will emerge over the southeastern Gulf of Mexico later this morning, pass west of the Florida Keys later today, and approach 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 6 Florida Counties, with a **Hurricane Watch** is in effect for 9 additional western Peninsula counties.
- **Tropical Storm Warnings** are in effect for 13 Central and South Florida Counties, with Tropical Storm Watches in effect for 19 southeastern and North Florida Counties.
- A **Storm Surge Warning** is in effect from Anclote River to Flamingo, including Tampa Bay and Charlotte Harbor. A **Storm Surge Watch** is in effect for the FL Keys, as well as from the Aucilla River to the Anclote River and on the East Coast from the Flagler/Volusia Line northward, including the St. Johns River.
- Devastating storm surge values of 5-10 feet are expected in and around Tampa Bay and southward to Bonita Beach; 4-8 feet along the Nature Coast and Southwest Florida Coast south of Bonita Beach; 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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