

Hurricane Ian Summary Update	Wednesday 09/28/2022 11:00 AM EDT Advisory 24
Current NHC Forecast Predictions	
Maximum Sustained Winds / Storm Category:	155 MPH / Category 4
Forward motion:	8 knots towards the North
Hurricane Force winds extend from the center:	40 nautical miles
Tropical Storm force winds extend from the center:	150 nautical miles
Minimum Pressure:	937 MB
Storm Position:	26.3N, 82.5W
Estimated Coastal Strike County/Parish:	Charlotte, Florida Beaufort, South Carolina
Watches and Warnings	Hurricane Warning from Tarpon Springs, FL to East Cape Sable, FL
	Hurricane Warning from New Smyrna Beach, FL to Flagler Beach, FL
	Tropical Storm Warning from Indian Pass, FL to Tarpon Springs, FL
	Tropical Storm Warning from East Cape Sable, FL to Jupiter Inlet, FL
	Tropical Storm Warning from Flagler Beach, FL to Little River Inlet, SC
	Hurricane Watch from Flagler Beach, FL to Savannah River, GA
	Storm Surge Watch from Key Largo, FL to Key Largo, FL
	Storm Surge Watch from Florida Bay, FL to Dry Tortugas, FL
	Storm Surge Watch from Seven Mile Bridge, FL to Card Sound Bridge, FL
	Storm Surge Warning from Cedar Key, FL to Florida Bay, FL
	Storm Surge Warning from Dry Tortugas, FL to Seven Mile Bridge, FL
	Storm Surge Warning from Flagler Beach, FL to South Santee River, SC

Hurricane Ian Summary Update	Wednesday 09/28/2022 11:00 AM EDT Advisory 24
---	--

Fort Myers Beach, FL

Fort Myers Beach, FL is under a Hurricane Warning and Storm Surge Warning and is expected to receive a catastrophic impact from Hurricane Ian. **Catastrophic wind gusts of 192 MPH and a major storm surge is possible.**

The forecast maximum wind for this location has increased since the last forecast advisory by 38 MPH

Southeasterly hurricane force winds (74 MPH) are already impacting the area. The highest wind speeds from Hurricane Ian should occur near Wednesday, September 28th at 11 AM EDT when top sustained winds, from the Southeast, could reach 148 MPH with gusts near 192 MPH. Winds should decrease below hurricane force 5 hours later.

Sustained winds will fall below tropical storm force (39 MPH) after 6 AM EDT and generally be from the Southwest during this period of decreasing winds. Expect gusts above tropical storm force level for several more hours thereafter.

Wind damage from Hurricane Ian will likely be catastrophic with structural damage to most buildings, many with complete roof and wall failures. Complete destruction of mobile homes. Damage greatly accentuated by large airborne projectiles. Most roads impassable from large debris, and more within urban or heavily wooded places. Most bridges, causeways, and access routes impassable. Power and communication outages are likely to be extensive, due to damage to the infrastructure.

Storm Surge warnings are in effect. There is a good chance (55%) that Fort Myers Beach could experience a storm surge of 13 feet above ground level. Please refer to local NWS statements for more precise information on expected surge flooding.

The highest winds will occur during a rising tide with the tide height of 1.0 feet. The next high tide will have a height of 2.5 feet, 4 hours past the time of maximum winds.

This report was issued using Advanced Wind Estimation (AWE)

Fort Myers, FL

Fort Myers, FL is under a Hurricane Warning and Storm Surge Warning and is expected to receive a major impact from Hurricane Ian. Very dangerous wind gusts of 112 MPH are possible.

The forecast maximum wind for this location has increased since the last forecast advisory by 20 MPH

Southeasterly tropical storm force winds (39 MPH) are already impacting the area with storm force winds (58 MPH) arriving Wednesday, September 28th at 12 PM EDT and Southeasterly hurricane force winds (74 MPH) by 1 PM EDT. The highest wind speeds from Hurricane Ian should occur near Wednesday, September 28th at 3 PM EDT when top sustained winds, from the South, could reach 86 MPH with gusts near 112 MPH. Winds should decrease below hurricane force shortly thereafter.

Sustained winds will fall below tropical storm force after 6 PM EDT and generally be from the Southwest during this period of decreasing winds. Expect gusts above tropical storm force level for several more hours thereafter.

Wind damage from Hurricane Ian could include considerable roof damage to sturdy buildings, with some having window, door, and garage door failures leading to structural damage. Mobile homes severely damaged, with some destroyed. Damage accentuated by airborne projectiles. Some roads impassable from large debris, and more within urban or heavily wooded places. Several bridges, causeways, and access routes impassable. Power outages are likely.

Since storm surge warnings are in place, there is a likelihood that this location will experience some level of surge flooding. Please refer to local NWS statements for more details.

The astronomical tidal variation for this location is less than 2 feet.

This report was issued using Advanced Wind Estimation (AWE)

Cocoa Beach, FL

Cocoa Beach, FL is under a Hurricane Warning and is expected to receive a minor impact from Hurricane Ian. Strong wind gusts of 61 MPH are possible.

The forecast maximum wind for this location has increased since the last forecast advisory by 2 MPH

Southeasterly tropical storm force winds (39 MPH) should start affecting the area on Wednesday, September 28th at 7 PM EDT. The highest wind speeds from Hurricane Ian should occur near 5 AM EDT when top sustained winds, from the Southeast, could reach 47 MPH with gusts near 61 MPH. Winds should decrease below tropical storm force 4 hours later.

Sustained winds will fall below tropical storm force after 9 AM EDT and generally be from the South during this period of decreasing winds. Expect gusts above tropical storm force level for several more hours thereafter.

Some minor residential wind damage may occur from Hurricane Ian in Cocoa Beach. This includes Damage to porches, awnings, carports, sheds, and unanchored mobile homes. Unsecured lightweight objects blown about.

The highest winds will occur around the time of low tide.

This report was issued using Advanced Wind Estimation (AWE)

Hurricane Ian Summary Update	Wednesday 09/28/2022 11:00 AM EDT Advisory 24
<p>South Beach, FL</p> <p>South Beach, FL is under a Tropical Storm Warning and is expected to receive a minor impact from Hurricane Ian. Strong wind gusts of 59 MPH and a minor storm surge is possible.</p> <p>The forecast maximum wind for this location is unchanged since the last forecast advisory.</p> <p>Southerly tropical storm force winds (39 MPH) should start affecting the area on Thursday, September 29th at 3 AM EDT. The highest wind speeds from Hurricane Ian should occur near 3 AM EDT when top sustained winds, from the South, could reach 45 MPH with gusts near 59 MPH. Winds should decrease below tropical storm force 5 hours later.</p> <p>Sustained winds will fall below tropical storm force after 8 AM EDT and generally be from the South during this period of decreasing winds. Expect gusts above tropical storm force level for several more hours thereafter.</p> <p>Some minor residential wind damage may occur from Hurricane Ian in South Beach. This includes Damage to porches, awnings, carports, sheds, and unanchored mobile homes. Unsecured lightweight objects blown about.</p> <p>There is a good chance (70%) that South Beach could experience a storm surge of 2 feet above ground level. Please refer to local NWS statements for more precise information on expected surge flooding.</p> <p>The astronomical tidal variation for this location is less than 2 feet.</p> <p>This report was issued using Advanced Wind Estimation (AWE)</p>	
<p>Vero Beach, FL</p> <p>Vero Beach, FL is under a Tropical Storm Warning and is expected to receive a minor impact from Hurricane Ian. Strong wind gusts of 43 MPH and a small storm surge is possible.</p> <p>The forecast maximum wind for this location has increased since the last forecast advisory by 1 MPH</p> <p>The highest wind speeds from Hurricane Ian should occur near Thursday, September 29th at 6 AM EDT when top sustained winds, from the South, could reach 32 MPH with gusts near 43 MPH.</p> <p>No significant wind damage should occur from Hurricane Ian in Vero Beach.</p> <p>There is a good chance (100%) that Vero Beach could experience a storm surge of 1 feet above ground level. Please refer to local NWS statements for more precise information on expected surge flooding.</p> <p>The astronomical tidal variation for this location is less than 2 feet.</p> <p>This report was issued using Advanced Wind Estimation (AWE)</p>	

Hurricane Ian Summary Update	Wednesday 09/28/2022 11:00 AM EDT Advisory 24
---	--

Marathon, FL

Marathon, FL is under a Storm Surge Watch and is expected to receive a minor impact from Hurricane Ian. Strong wind gusts of 36 MPH are possible.

The forecast maximum wind for this location is unchanged since the last forecast advisory.

The highest wind speeds from Hurricane Ian should occur near Wednesday, September 28th at 11 AM EDT when top sustained winds, from the Southwest, could reach 25 MPH with gusts near 36 MPH.

No significant wind damage should occur from Hurricane Ian in Marathon.

The astronomical tidal variation for this location is less than 2 feet.

This report was issued using Advanced Wind Estimation (AWE)

Boynton Beach, FL

Boynton Beach, FL is under a Tropical Storm Warning and is expected to receive a minor impact from Hurricane Ian. Moderate wind gusts of 33 MPH are possible.

The forecast maximum wind for this location has decreased since the last forecast advisory by 1 MPH

The highest wind speeds from Hurricane Ian should occur near Wednesday, September 28th at 4 PM EDT when top sustained winds, from the South, could reach 23 MPH with gusts near 33 MPH.

No significant wind damage should occur from Hurricane Ian in Boynton Beach.

The highest winds will occur during a lowering tide with the tide height of 1.7 feet. The next low tide will have a height of 0.6 feet, 2 hours past the time of maximum winds.

This report was issued using Advanced Wind Estimation (AWE)