

Major Hurricane Matthew Briefing Situation Overview



Monday, October 03, 2016 12:46 PM

- At 11 AM Monday, Major Hurricane Matthew was about 205 miles SE of Kingston, Jamaica moving north around 6 mph. Maximum sustained winds were 140 mph.
- As the storm tracks northward toward the Bahamas through Wednesday, an increase in northeast wind is expected, even well outside of the hurricane. Coastal impacts including strong winds, high surf, beach erosion and waves of heavy rainfall are possible.
- Based on the latest forecast, tropical storm conditions could impact the adjacent Atlantic waters Wednesday night, and then NE Florida and SE Georgia Thursday through Saturday.
- Matthew's future forecasts should continue to be closely monitored, as a shift in the track toward the west will increase local impacts.

Residents and interests in north Florida and southeast Georgia should closely monitor the future progress of the storm. Be careful about rumors and social media posts, At this time the storm poses no immediate threat to the region.









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Five Day Cone of Uncertainty

Based on the latest NHC forecast:

- Matthew's closest approach to northeast Florida and southeast Georgia will likely be Friday or Saturday.
- Matthew will bring significant marine and coastal concerns to Northeast Florida and Southeast Georgia.

NOTE: The forecast cone (shaded white area and hatched area in the graphic) is where the center of the storm is expected to track 2/3 of the time.



Advisory 22 Monday October 03, 2016 **11 AM ET** NWS National Hurricane Center

Current Information: • Center Location: 15.6 N 75.0 W Max Sustained Winds: 140 mph Movement: N at 6 mph

Tropical Cyclone

Post-Tropical D < 39 mph S 39-73 mph

H 74-110 mph M > 110mph

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Hurricane Matthew

Tropical Storm Force or Greater Wind Probabilities

to north Florida o outheast Georgi

Tropical Storm (TS) Force Wind Probabilities:

- Flagler Beach, FL: 28%
- Mayport, FL: 23%
- The Villages, FL: 18%
- Kings Bay, GA: 21%
- Saint Simons Island, GA: 21%
- Waycross, GA: 11%
- Coastal Waters: 20-43%

Probability Trend:

- Increased since the last advisory.
- SE Georgia Coast: 2 in 10 chance of TS force winds.
- NE Florida Coast: 3 in 10 chance of TS force winds.
- Adjacent Atlantic Waters (out to 60 NM): 3 to 4 in 10 chance of TS force winds.

NOTE: This graphic depicts probabilities of surface winds \geq 39 mph out through 120 hours (cumulative probabilities).



Monday October 03, 2016 **11 AM ET** NWS National Hurricane Center Advisory Position: •

Valid for 5 days ending 08 AM ET Sat Oct 08 Cumulative Probability > 39 mph Sustained Winds

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Local Impacts

High Confidence of Significant Coastal Impacts This Week

Expected Coastal Impacts:

- Building, rough surf.
- Dangerous, frequent rip currents.
- Significant beach erosion.
- Tropical Storm Conditions possible Friday for coastal areas.

Marine Impacts:

- Building seas and increasing winds.
- Tropical Storm Conditions possible Thursday night through Saturday.

Potential Local Impacts if the track shifts farther west (left) of current track:

- Waves of heavy rainfall.
- Gusty, potentially damaging winds.



A robust breaker produced by Hurricane Floyd during September 1999 approaches the Jacksonville Beach Pier. The end of the pier was smashed away.

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The storm poses <u>NO IMMEDIATE THREA</u> to north Florida or Southeast Georgia



Major Hurricane Matthew Talking Points

- On the current official forecast track, the closest approach of Hurricane Matthew to the local coast could be Friday or Saturday.
- **Potential Impacts:**
 - Gusty onshore winds, high surf, beach erosion, and frequent rip currents expected by Wednesday. Local wind impacts will be similar to a strong local nor'easter.
 - Tropical Storm Conditions possible over the adjacent Atlantic waters late Wednesday.
 - Any further westward course will increase local impacts, especially along the immediate coast.
- Closely monitor the latest forecast from NHC/NWS Jacksonville for updates. The next scheduled briefing will be issued around 6 pm today.

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