

Tropical Storm Ian

INFORMATION NOTE No. 2

AS OF 5:00 PM ON SEPTEMBER 25, 2022

Synopsis of Tropical Storm Ian

Present key details of hazard:

LOCATION: 16.2N 80.3W

MAXIMUM SUSTAINED WINDS: 45 MPH or 75 KM/H

MINIMUM CENTRAL PRESSURE: 1003 MB

PRESENT MOVEMENT: WNW at 12 MPH or 19 KM/H



Prognosis

According to the National Hurricane Centre, at 500 PM EDT (2100 UTC), the center of Tropical Storm Ian was located near latitude 16.2 North, longitude 80.3 West. TS Ian is moving toward the west-northwest near 12 mph (19 km/h). A turn toward the northwest is expected tonight, followed by a north-northwestward motion on Monday and a northward motion on Tuesday with a slightly slower forward speed. On the forecast track, the center of TS Ian is expected to pass near or west of the Cayman Islands on Monday, and near or over western Cuba Monday night and early Tuesday. TS Ian will then emerge over the southeastern Gulf of Mexico on Tuesday. Maximum sustained winds are near 45 mph (75 km/h) with higher gusts. Some strengthening is forecast tonight, followed by more rapid strengthening on Monday and Tuesday. Ian is forecast to become a hurricane on Monday and a major hurricane on Tuesday. Tropical-storm-force winds extend outward up to 35 miles (55 km) from the center. The estimated minimum central pressure is 1003 mb (29.62 inches).

Summary of Watches/Warnings in effect for CDEMA Participating States

- A Hurricane Warning is in effect for Grand Cayman
- A Severe Weather Bulletin issued by Government of Cayman Islands at 1:30 pm indicated that the Sister Islands remain under a Tropical Storm Watch.

Caribbean Institute For Meteorology And Hydrology (CIMH) Analysis

Disclaimer: *The CIMH provides special weather interpretation of the current and forecasted tropical weather affecting the Caribbean Region and is NOT an official forecasting agency.*

WINDS: Hurricane conditions are expected to reach Grand Cayman by early Monday, with tropical storm conditions expected later tonight.

RAINFALL: Ian is expected to produce the rainfall in Jamaica and the Cayman Islands of 3 to 6 inches, with local maxima up to 8 inches. These rains may produce flash flooding and mudslides in areas of higher terrain, particularly over Jamaica.

Feature key details...

RAINFALL: 3-6 inches in Jamaica and Cayman Islands

STORM SURGE: Water levels could rise by as much as 2 to 4 feet above normal tide levels along the immediate coast in areas of onshore winds in the Cayman Islands Sunday night into Monday.

SURF: Swells generated by Ian are affecting Jamaica and will spread to the Cayman Islands late on Sunday.

Updates from the CDEMA Participating States



CAYMAN ISLANDS

- Cayman Islands is in close discussion with the National Hurricane Centre in Miami to inform Hurricane Watches and Warnings.
- Shelters - 6 shelters in Grand Cayman, 1 in Little Cayman and 1 in Cayman Brac have been prepared for opening from 2pm Cayman time on Sunday.
- There are 19 shelters total. While it is not expected that all will be utilised, if shelter capacity is reached, additional shelters will be opened.
- Council Briefings are being held every 6 hours.
- Data analysis is being done using GSI-based tools to generate pre-impact analyses for decision support.
- Preparations have been made to implement post-impact relief programmes as needed.



JAMAICA

- At 5:00PM Saturday September 24, 2022 the Government of Jamaica discontinued the Tropical Storm Watch for Jamaica.

Caribbean Disaster Emergency Management Agency (CDEMA) Actions

List the actions undertaken by the CDEMA CU:

- The CDEMA Regional Co-ordination plan continues to be activated.
- The RCC continues to be partially activated.
- The CU is constantly monitoring and in contact with the Participating States that are under threat to receive updates and to share information.
- CDEMA continues to update the CDEMA Chair and CARICOM secretary General as the system progresses
- CDEMA has monitored the system from since its development, as TD#9 and now as TS Ian and has issued Information Notes related to the system.
- CDEMA continues to collaborate with the PS and update RRM colleagues, regional and international, through the CDPG meetings. The most recent was convened on Saturday September 24, 2022.
- The Multi-National Civil Co-ordination Cell (MNCCC) remains on alert.
- Logistics - remain on stand-by and the deployment teams remain on alert.
- CDEMA CU continues to test its telecommunications systems and are conducting tests to ensure communication can be undertaken with any impacted state. Radio communication was tested and confirmed with Cayman Islands NEOC.

Partner Updates

- There were no new Partner updates