

HURRICANE TAMMY

INFORMATION NOTE No. 3

AS OF 5:00 P.M. (AST) ON 21ST OCTOBER 2023

Synopsis/Overview of Hazard

LOCATION: 17.0N 61.3W

55 KM (35 MILES) ESE OF ANTIGUA

MAXIMUM SUSTAINED WINDS:

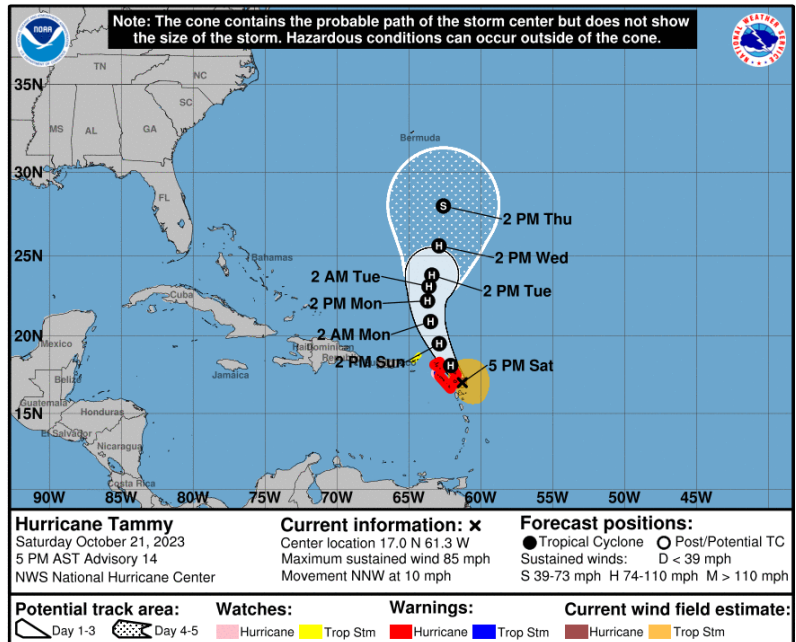
140 KM/H (85 MPH)

MINIMUM CENTRAL PRESSURE:

988 MB (29.18 INCHES)

PRESENT MOVEMENT:

NNW OR 335 DEGREES- AT 17 KM/H (10 MPH)



Hurricane Tammy 5-Day Forecast Track (Source: [National Hurricane Centre](https://www.nhc.noaa.gov))

Update and Prognosis for Hurricane Tammy

According to the National Hurricane Center (NHC) in Miami, Florida, as at 5:00 p.m. AST (2100 UTC), the center of Hurricane Tammy was located near latitude 17.0 North, longitude 61.3 West. The storm is moving toward the north-northwest, at speeds near to 17 km/h (10 mph). This general motion is expected to through Sunday (22nd October), followed by a turn toward the north on Monday (23rd October). On the forecast track, the center of Hurricane Tammy will move near or over the Leeward Islands through early Sunday and then move north of the northern Leeward Islands by Sunday afternoon .

The NHC also indicates that the maximum sustained winds are near 140 km/h (85 mph) with higher gusts. It is possible that storm will strengthen slowly during the next few days. Hurricane force winds extend outward up to 35 km (25 miles) from the center. Tropical-storm-force winds extend outward up to 205 km (125 miles). The estimated minimum central pressure is 988 mb (29.18 inches). The Leeward Islands may receive 4 – 8 inches of rain, with maximum amounts of 12 inches possible.

Summary of WATCHES/WARNINGS/ALERT LEVEL in effect for CDEMA Participating States

- A Hurricane Warning is in effect for Anguilla, Antigua and Barbuda, Montserrat, and St. Kitts and Nevis.
- A Tropical Storm Watch is in effect for the Virgin Islands (U.K.).

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.*

Satellite signatures indicate that the core of the hurricane is quite compact. Despite its close proximity to the islands, the strong winds remain just offshore.

However, heavy rains from Tammy and its associated feeder bands are already affecting the southern and central Lesser Antilles and will spread northward through to the Leeward Islands today, spreading across the British Virgin Islands on Sunday.

This rainfall may produce isolated flash and urban flooding, along with isolated mudslides in areas of higher terrain.

WINDS: Hurricane and tropical storm conditions are expected in portions of the Leeward and northern Windward Islands through early Sunday.

RAINFALL: Heavy rains from Tammy will affect the Lesser Antilles north of Martinique today, spreading across the Virgin Islands (U.K.) on Sunday. This rainfall may produce isolated flash and urban flooding, along with isolated mudslides in areas of higher terrain. Feeder bands associated with the storm may continue to affect islands to the south and should be monitored closely.

“WINDS: near 140 km/h (85 mph) extending up to 35 km (25 miles) from center of storm. Tropical storm force winds extend 205 km (125 miles) from centre.

RAINFALL: suggested accumulations of 4 – 6 inches with max. accumulations of 12 inches

STORM SURGE: could raise water level by 1 – 3 feet above normal tide levels, near the centre of TS Tammy.”

SURF: storm surge could produce coastal flooding in areas of onshore winds as the center of Tammy moves near or over the Leeward Islands. Near the coast, the surge will be accompanied by large and dangerous waves.

Residents are encouraged to consult products from their national weather services for up-to-date information.

Updates from the CDEMA Participating States



ANGUILLA

- The National Disaster Management Committee met yesterday and activated the national emergency management system.
- Shelters have been prepared, but provision will be made to open one if needed.
- The NEOC will be activated at 5:00 p.m. today.

Updates from the CDEMA Participating States cont'd



ANTIGUA AND BARBUDA - EASTERN SUB-REGIONAL FOCAL POINT

- The NEOC was activated at 6:00 p.m. on Friday 20th October, 2023
- Forty (40) shelters were opened; as at 6:00 a.m. there were 108 shelterees in 18 shelters.
- Search and Rescue (SAR) teams have been repositioned, comprising personnel from the Defence Force, Police and Fire Departments.
- The Red Cross has repositioned supplies and is assisting with shelter management.
- The NEOC is maintaining communication with key partners and the States of the Eastern Sub-Region.
- Private Sector has been engaged to encourage organisations to take early actions as needed.
- Public awareness is ongoing.



BARBADOS - CENTRAL SUB-REGIONAL FOCAL POINT

- The Tropical Storm Watch for Barbados has been discontinued.
- A Flash Flood Watch remained in effect from 6:00 a.m. to 6:00 pm today, Saturday 21st October 2023
- Localized flooding, mainly in the southern parishes of Christ Church, St. Phillip and some areas of St. Michael was reported. This is being addressed by the national system.
- 25 reports were made to the NEOC - one partial house collapse in White Hill, St. Andrew.



VIRGIN ISLANDS (U.K)

- The NEOC and the Joint Information Centre (JIC) were activated today 21st October 2023.
- The Governor, Deputy Governor and Premier continue to receive regular updates.
- The national emergency management system met on Friday, 20th October to discussion and implement required actions.
- Ministry of Works cleared drains and waterways, and remain on standby to support debris clearance, post-impact.
- The international airport closed at 4:00 p.m. today. Domestic airports were closed at 2:00 p.m.
- The marine port remain open.



COMMONWEALTH OF DOMINICA

- The Hurricane Watch and Tropical Storm Warning were discontinued at 11:00 a.m. today, 21st October 2023
- The **All Clear** has been issued
- A Flood Watch was issued for the next 24 hours.
- The NEOC and Emergency Response Mechanism were deactivated at 11:30 a.m. today.
- Shelters have been deactivated.

Updates from the CDEMA Participating States



MONTSERRAT

- A Hurricane Warning is in effect.
- The National Emergency Operations Centre (NEOC) has been partially activated.
- Four (4) emergency shelters have been opened; one (1) shelter has occupancy of five (5) persons.
- The public has been informed and advised to exercise the necessary caution.
- Public awareness message continue to be issued via radio and social media.



ST. KITTS & NEVIS

- The NEOCs in St. Kitts, and EOC in Nevis, were activated at 9:00 p.m. on Friday 20th October.
- Shelters have been opened but there are no occupants in St. Kitts. There were 7 shelterees in Nevis (at 2:00 p.m. 21st October)
- A live Press Briefing was held at 1:00 p.m. today 21st October to apprise the public, another live briefing is scheduled for 6:00 p.m. today.
- The NEOC is maintaining close contact with national and regional stakeholders.

Caribbean Disaster Emergency Management Agency (CDEMA) Actions

The following are the regional preparatory actions undertaken by CDEMA to date:

- The Regional Coordination Plan (RCP) remains activated.
- The CARICOM Secretary General and the CDEMA Chair continue to receive briefings from the CDEMA Executive Director.
- The Regional Deployment teams – CARICOM Operational Support Team (COST), the CARICOM Disaster Assessment and Coordination (CDAC) and the CARICOM Disaster Relief Unit (CDRU) remain on **Alert**. The Coordinating Unit (CU) is confirming the personnel available for deployment.
- The CDEMA Coordinating Unit (CU) continues to maintain contact with threatened States, on all emergency communications channels.
- The CU has maintained contact with the threatened States to discuss possible impact scenarios.
- A meeting of the CARICOM Development Partners Group (CDPG) was convened today 21st October at 1:00 p.m.
- The MNCCC met at 11:00 a.m. today. They continue to monitor the situation and stand ready to assist, if required.
- The CU continues to operate in accordance with the Standard Operating Procedures (SOPs) of the RCP which includes maintaining contact with the threatened states and Regional Response Mechanism (RRM) partners.

The CDEMA CU will continue to monitor the progress of Hurricane Tammy and provide updates as necessary.

List preparatory actions being undertaken by the RRM Partners [as of 2:00 p.m. on 21st October 2023]

GENERAL COORDINATION

- **Caribbean Public Health Agency (CARPHA)**- continues to monitor the situation and is on standby to support affected States and other Regional partners.
- **CARICOM Private Sector Organisation (CPSO)** – the Executive Committee of the CPSO has been apprised of the situation. The regional private sector stands ready to support as needed.
- **United Nations (UN)**- the UN mechanism is standing by for deployment and to provide assistance. The UN Country Coordination Officer based in Antigua and Barbuda is on standby to support any joint action of the UN system, with other development partners. Meetings were convened to explore potential areas of assistance.
 - *Food and Agriculture Organization (FAO)*- DRM Specialists and National Correspondents are stationed in Dominica, Antigua and Barbuda, Saint Kitts and Nevis and Saint Lucia. A team of FAO personnel with GIS expertise is on standby. An Initial Damage Assessment Needs (IDNA) questionnaire has been updated for agriculture. FAO is reviewing pre-disaster maps and cropping profiles. Drones are in Dominica and Saint Lucia which can be deployed for assessing impacts.
 - *International Organization for Migration (IOM)* - has teams in Dominica and Barbados ready for deployment with allocated rapid response funds. A roster of experts in Shelter, Non-Food Items (NFI) and Protection are on standby for deployment. Non-Food Items are in stock in Panama, and some are *en route* to Barbados.
 - *OCHA and UNICEF*- convened a UN Emergency Technical Team (UNETT) meeting post CDPG-DM for technical discussions around any assistance to those high-risk countries looking at potential WASH or Shelter impacts.
 - *Pan American Health Organization/ World Health Organization (PAHO/WHO)*- four (4) PAHO Regional Response Team (RRT) members are on standby to support. One RRT member is already present in Anguilla, assisting the Country Program Specialist. PAHO personnel are stationed in Dominica, Antigua, St. Kitts, Anguilla, and Martinique (for Guadeloupe).
 - *United Nations Development Programme (UNDP)*- team members based in Dominica and Antigua and Barbuda will support governments if needed.
 - *United Nations Population Fund (UNFPA)*- has experts in Gender-Based Violence (GBV) and Shock Responsive Humanitarian Response (SRHR) on standby in Trinidad and Tobago and Jamaica. There are 1000 dignity kits available in case of emergency.
 - *UN Women*- prepared to facilitate gender-responsive rapid assessments.
 - *UNICEF*- immediate response team is on standby, which includes specialists in Education, Social Protection, WASH and Child Protection. National coordinators on the threatened States also provide support to the national system as needed. The regional WASH Advisor is standing by to support implementation partners. Education and WASH kits for 900 families are available, as well as assistance through humanitarian cash transfers, as needed.
 - *World Food Programme (WFP)*- prepared for deployment with an established shipping LTA for overseas aid transport, equipped with generators, mobile storage units, utility vehicles, and communication support equipment.
- **European Union (EU)**- is on standby to support as needed.
- **International Federation of the Red Cross (IFRC)** - will continue to monitor the system and aid in terms of transportation.
- **United Kingdom Foreign Commonwealth and Development Office (UKFCDO)**- will continue to support RRM surge teams if needed and has prepositioned relief stocks (buckets and shelter kits) in Antigua. The UK Defence Advisor indicated that the vessel HMS Dauntless is on standby to provide support if required.
- **United States Agency for International Development (USAID) Bureau of Humanitarian Affairs (BHA)**- is monitoring the situation very closely and standing by to support response partners should it be necessary.