

# Tropical Storm Bret

## INFORMATION NOTE No. 2

AS OF 8:00 PM ON JUNE 22, 2023

### Synopsis on Tropical Storm Bret

**LOCATION** 13.4 N 60.3 W about 55 miles (90 km) southeast of Saint Lucia

**MAXIMUM SUSTAINED WINDS** 65 mph (100 km/h)

**PRESENT MOVEMENT** West or 265 degrees at 16 mph (26 km/h)

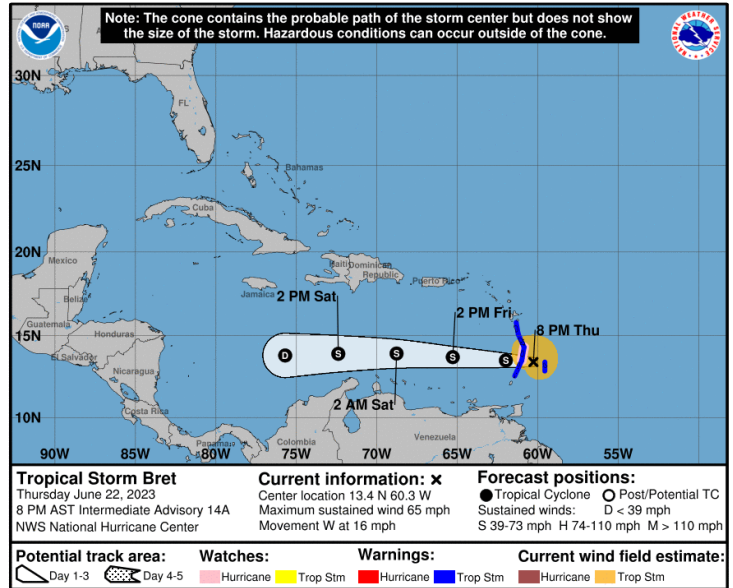
**MINIMUM CENTRAL PRESSURE** 1004 mb (29.65 inches)

**A HURRICANE WATCH IS IN EFFECT FOR...**

- Saint Lucia

**A TROPICAL STORM WARNING IS IN EFFECT FOR...**

- Barbados
- Dominica
- St. Vincent and the Grenadines
- Saint Lucia



Source: <https://www.nhc.noaa.gov/>

### 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.*

On the forecast track, the center of Bret is expected to approach the Lesser Antilles on Thursday, June 22, 2023. Bret is expected to move across the island chain by Thursday evening into Thursday night, and then move westward across the eastern and central Caribbean Sea Friday and Saturday, June 23 and 24, 2023, respectively.

**WIND:** Tropical-storm-force winds extend outward up to 115 miles (185 km) from the center. The storm still appears to be under the influence of moderate westerly shear, which is expected to cause weakening over the next 36 to 48 hours after Bret moves into the eastern Caribbean Sea.

## Caribbean Institute For Meteorology And Hydrology (CIMH) Analysis (continued)

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.*

**SURF:** Swells generated by Tropical Storm Bret are forecast to be between 3 – 6 meters. These swells are likely to cause life-threatening surf and rip current conditions. [NHC.NOAA]

**RAINFALL:** Storm total rainfall amounts of 3 to 6 inches with maximum amounts of 10 inches are possible across portions of the Lesser Antilles from Guadeloupe to St. Vincent and the Grenadines, including Barbados. The heavy rainfall could lead to flash flooding, especially across areas of higher terrain. Urban flooding is also possible. [NHC.NOAA]

Due to the degree of uncertainty in track and intensity forecasts, it is still a bit premature to specify the location and magnitude of the associated hazards. Regardless of development, all interests in the Lesser Antilles should closely monitor the progression of Tropical Storm Bret.

### IMPACT FORECAST FROM CIMH

#### Expected Rainfall Impacts - Barbados

Risk Matrix						Risk Level	Response				
Likelihood	High							High	Take Action		
	Medium			<b>X</b>		Medium	Be Prepared				
	Low									Low	Be Aware
	Very Low										
		Minimal	Minor	Significant	Severe						
<b>Potential Impacts</b>											

Likelihood: **Medium**

Potential Impact: **Significant**

#### Expected Wind Impacts - Barbados

Risk Matrix						Risk Level	Response				
Likelihood	High							High	Take Action		
	Medium			<b>X</b>		Medium	Be Prepared				
	Low									Low	Be Aware
	Very Low										
		Minimal	Minor	Significant	Severe						
<b>Potential Impacts</b>											

Likelihood: **Medium**

Potential Impact: **Significant**

## Caribbean Institute For Meteorology And Hydrology (CIMH) Analysis (continued)

### Expected Rainfall Impacts – Saint Lucia

Risk Matrix						Risk Level	Response				
Likelihood	High							High	Take Action		
	Medium			X		Medium	Be Prepared				
	Low									Low	Be Aware
	Very Low										
		Minimal	Minor	Significant	Severe						
<b>Potential Impacts</b>											

Likelihood: **Medium**

Potential Impact: **Significant**

### Expected Wind Impacts – Saint Lucia

Risk Matrix						Risk Level	Response				
Likelihood	High							High	Take Action		
	Medium			X		Medium	Be Prepared				
	Low									Low	Be Aware
	Very Low										
		Minimal	Minor	Significant	Severe						
<b>Potential Impacts</b>											

Likelihood: **Medium**

Potential Impact: **Significant**

### Expected Rainfall Impacts – St. Vincent and the Grenadines

Risk Matrix						Risk Level	Response				
Likelihood	High							High	Take Action		
	Medium			X		Medium	Be Prepared				
	Low									Low	Be Aware
	Very Low										
		Minimal	Minor	Significant	Severe						
<b>Potential Impacts</b>											

Likelihood: **Medium**

Potential Impact: **Significant**

## Caribbean Institute For Meteorology And Hydrology (CIMH) Analysis (continued)

### Expected Wins Impacts – St. Vincent and the Grenadines

Risk Matrix					Risk Level	Response	
Likelihood	High						
	Medium				High	Take Action	
	Low			<b>X</b>	Medium	Be Prepared	
	Very Low				Low	Be Aware	
		Minimal	Minor	Significant	Severe		
		<b>Potential Impacts</b>					
					Very Low	No Action	

Likelihood: **Low**

Potential Impact: **Significant**

## Updates from Participating States

### SAINT LUCIA

- A Hurricane Watch and a Tropical Storm Warning is in effect for Saint Lucia.
- The National Emergency Management Advisory Committee (NEMAC) convened a meeting of national emergency stakeholders at 9:00 AM today, June 22, 2023.
- The National Emergency Operations Center (NEOC) and the Community Emergency Operations Centers (CEOCs) have been partially activated.
- Schools were suspended today, June 22, 2023, until further notice.
- A national shut-down was implemented from 1:00 PM today, June 22, 2023.
- The airports have been closed till further notice.
- Desilting of drains and waterways were advanced.
- One (1) Emergency Shelter has been opened. Shelter Managers are on standby to open emergency shelters if required.
- Gusts reaching storm force, rainfall estimations of 3 - 6 inches, and swell up to 15 ft, are forecast to impact the island. These conditions are expected to continue throughout the night.
- The National Emergency Management Organization (NEMO) continues to monitor the impact of Tropical Storm Bret and will provide updates as necessary.

## Updates from Participating States (continued)

### BARBADOS

- A Tropical Storm Warning is in effect for Barbados as of 2:00 PM, today, June 22, 2023.
- Schools were closed at 1:00 PM today, June 22, 2023.
- Public Transportation ceased at 5:00 PM.
- All non-essential Government Services closed at 2:30 PM.
- 27 Category 1 shelters were opened with 29 shelterees.
- The Department of Emergency Management (DEM) has received 13 reports of damage across the island.
- Measures were undertaken to reduce the impact of flooding in the north and to pump excess water if the need arose.
- Sustained winds between 20 – 35 mph, gusts reaching storm force, and rainfall of up to 2 inches was forecast to impact the island. These conditions are expected to continue throughout the night.
- DEM continues to monitor the impact of Bret and will provide updates as necessary.

### ST. VINCENT AND THE GRENADINES

- A Tropical Storm Warning is in effect for St. Vincent and the Grenadines as of 2:00 PM, today, June 22, 2023.
- The National Emergency Operations Center (NEOC) was fully activated at 6:00 PM, this evening, June 22, 2023.
- A National shut-down was implemented from 6:00 PM today, June 22, 2023; only essential services shall remain open.
- All schools are closed until further notice.
- All Emergency Shelters were activated at 6:00 PM today, June 22, 2023.
- Rainfall estimations of 3 – 6 inches have been forecast to impact the island.
- A Flash-Flood Watch remains in effect until further notice.
- Residents living in areas near rivers and streams such as Fitz Hughes, Chateaubelair, Spring Village, Vermont, Buccament, Rose Place, Calliaqua, Belair, Dauphine, Arnos Vale, Marriaqua, Lowmans, Greggs, South Rivers, Dickson and Langley Park were asked to be vigilant and to be prepared to evacuate at short notice if necessary.
- Residents of the “red volcano hazard zone” were asked to monitor the rivers and streams and avoid crossing them during heavy rainfall.
- Marine conditions have deteriorated with moderate to rough sea swells up to 3.5 meters (11 ft), mainly along the northern and north-eastern coastlines. A small craft and high surf advisory remains in effect until further notice. Sea bathers were advised to stay out of the water.
- Residents living in the following coastal areas were strongly advised to avoid using the sea, and to be extremely vigilant and ready to evacuate to higher grounds at short notice if necessary: Fancy, Owia, Sandy Bay, Langley Park, Georgetown, Grand Sable, Mt. Young, Byera, Gorse, Colonaire, Mt. Greenan, San Souci, Biabou, Rawacou, Salt Pond, Calliaqua, Villa, Arnos Vale, Sion Hill Bay, Ottley Hall, Clare Valley, Lowmans Bay, Questelles, Buccament, Layou, Barrouallie, Cumberland, Rose Bank, Petit Bordel, Chateaubelair, Fitz-Hughes, Richmond, Union Island, Bequia, Canouan and Mayreau.
- The National Emergency Management Organization (NEMO) continues to monitor the impact of Tropical Bret and will provide updates as necessary.

## Updates from Participating States (continued)

### DOMINICA

- A Tropical Storm Warning was in effect for Dominica from 11:00 PM, Wednesday, June 21, 2023.
- The National Emergency Planning Organizations (NEPO) met on Wednesday, June 21, 2023.
- All schools were closed today, June 22, 2023.
- The business day/ workday was suspended at 12:00 noon today, June 22, 2023.
- The online CXC CCSLC Digital Literacy exam scheduled for 9:30am to 10:15am and the CAPE Caribbean Studies exam scheduled for 9:00am to 10:30am at the Portsmouth Secondary School on Thursday, June 22, 2023, proceeded as planned.
- The Office of Disaster Management (ODM) in collaboration with the Meteorological Service will continue to monitor the progress of Tropical Storm Bret and will provide updates as necessary.

## Caribbean Disaster Emergency Management Agency (CDEMA) Updates

### *Actions undertaken by the CDEMA CU:*

- The CDEMA CU Contingency Plan and the Regional Coordination Plan (RCP) remain activated.
- The Chair of CDEMA Council and the CARICOM Secretary General have been briefed.
- The Regional Deployment Teams remain on **ALERT** and their respective deployment kits have been prepared (CDRU, CDAC, COST, RNAT, and Emergency Communications).
- CDEMA CU established and maintained communication with the National Disaster Offices (NDOs) of all the CDEMA Participating States (PSs) under threat from Tropical Storm Bret.
- Communication via emergency channels was established with Barbados, Trinidad and Tobago, Dominica, Antigua and Barbuda (Met), Saint Lucia (Met), and Montserrat.
- The Multi-National Caribbean Coordination Cell (MNCCC) convened a meeting yesterday, June 21, 2023, to assess their status of preparedness. The British vessel, HMS Dauntless has been repositioned in the region on June 22, 2023, to support regional emergency operations.
- The Caribbean Development Partners Group (CDPG) convened a meeting at 1:00 PM yesterday June 21, 2023.
- The CDEMA CU in collaboration with the Caribbean Institute for Meteorology and Hydrology (CIMH) and the wider RRM Partners will continue to monitor the progress of Tropical Storm Bret and provide updates, as necessary.