

Tropical Storm Lisa

INFORMATION NOTE No. 2

AS OF 2:00 PM (AST) ON NOVEMBER 1, 2022

Synopsis of Tropical Storm Lisa

- ❖ **LOCATION: 16.5°N 82.5°W**
- ❖ **MAX SUSTAINED WINDS: 60 mph**
- ❖ **PRESENT MOVEMENT: WEST AT 15 MPH**
- ❖ **MINIMUM PRESSURE: 1001 MB**



NHC Update

According to the National Hurricane Center (NHC) in Miami, Florida, At 200 PM EDT (1800 UTC), the center of Tropical Storm Lisa was located by satellite imagery near latitude 16.5 North, longitude 82.5 West. Lisa is moving toward the west near 15 mph (24 km/h). This general motion with some decrease in forward speed is forecast during the next couple of days. On the forecast track, the center of Lisa will move near or over the Bay Islands of Honduras early Wednesday, and move near Belize late on Wednesday.

Maximum sustained winds remain near 60 mph (95 km/h) with higher gusts. Strengthening is expected, and Lisa is forecast to become a hurricane overnight over the northwestern Caribbean Sea and continue to intensify on Wednesday. Tropical-storm-force winds extend outward up to 70 miles (110 km) from the center. The estimated minimum central pressure is 1001 mb (29.56 inches).

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.

The Caribbean Institute for Meteorology and Hydrology (CIMH) is closely monitoring this system as it continues on its trajectory towards Belize. CIMH has provided the below weather update as at Tuesday, November 1, 2022.

WINDS: Hurricane conditions are expected in the Bay Islands of Honduras beginning early Wednesday and are becoming likely along the coast of Belize Wednesday afternoon. Tropical storm conditions are expected to begin along the northern coast of Honduras within the Tropical Storm Warning area tonight and in Guatemala and Yucatan on Wednesday.

RAINFALL: Through Thursday evening, Lisa is expected to produce rainfall amounts of:

- 4 to 6 inches with local amounts to 10 inches across Belize, the Bay Islands of Honduras, northern Guatemala and the southeast portion of the Mexican state of Chiapas.
- 2 to 4 inches with local amounts to 6 inches across the far southeastern portion of the Yucatan Peninsula, Northern Honduras, and central Guatemala
- 1 inch with local amounts to 2 inches across portions of the Cayman Islands and eastern Nicaragua. This rainfall could lead to flash flooding conditions primarily across Belize into northern Guatemala, the southeast portion of the Mexican state of Chiapas and the far southeast portion of the Yucatan peninsula.

STORM SURGE: A storm surge will likely raise water levels by as much as 4 to 6 feet above normal tide levels along the immediate coast of Belize in areas of onshore winds, with 2 to 4 feet possible within the Hurricane Watch area in eastern Yucatan and 1 to 3 feet for the Bay Islands of Honduras. Near the coast, the surge will be accompanied by large and damaging waves.

SURF: Swells generated by Lisa are expected to affect Jamaica and the Cayman Islands and Central America for the next day or two. These swells could cause life-threatening surf and rip current conditions.

Note: The projected rainfall accumulations in neighbouring countries Guatemala and Mexico presents concerns for potential significant runoff into Belize causing additional flooding.

Readiness actions from Participating States



Belize

- Belize is undertaking National Level Readiness actions in preparation for impact of TS Lisa
- A Ministerial Meeting took place yesterday October 31, 2022
- National Shelter list 2022 has been re-published on the NEMO website
- A “Red-II warning” has been issued by NEMO, meaning the system may threaten within 36 hours.

Caribbean Disaster Emergency Management Agency(CDEMA) actions:

- CDEMA Regional Coordination Plan remains activated.
- CDEMA Co-ordinating Unit continues to liaise with Regional Institutions and International Partners.
- CDEMA continues to be in constant contact with the Sub-region Focal Point.
- The second CDPG meeting was on Tuesday November 1, 2022 on Tropical Storm Lisa - the outcomes of this meeting was shared with Belize to aid with readiness actions.
- Information Note #2 issued on Tuesday, November 1, 2022.
- RRM deployment teams remain on alert.
- CDEMA continues to collaborate with countries on the provision of remote operational support.
- CDEMA continues to monitor the current system and provide updates as necessary.

Partner Updates

Pan- American Health Organisation/World Health Organisation

- PAHO/WHO and the wider UN system in Belize continue to meet daily in preparation for impact.
- Reached out to the Ministry of Health and other government counterparts.
- Remain on alert to provide assistance as needed.