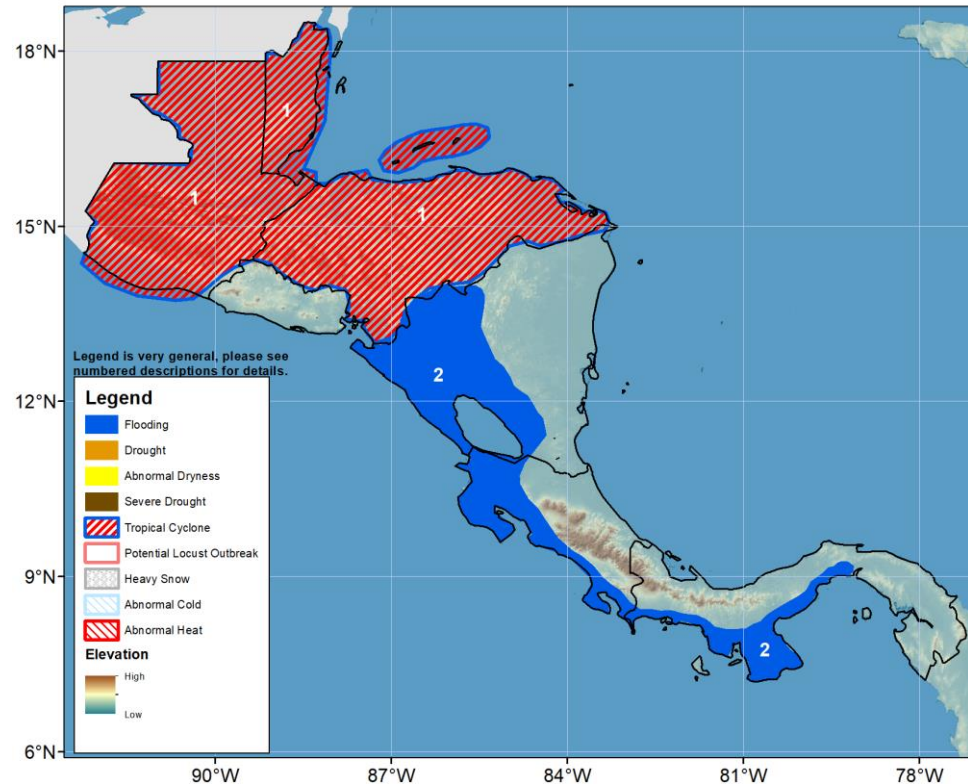


Climate Prediction Center's Central America Hazards Outlook For USAID / FEWS-NET 03 – 09 November 2022

Risk of flood in Guatemala, Belize, and northern Honduras due the development of the Tropical Storm Lisa.



- 1) There is a high risk of heavy rain, flooding and landslides across Guatemala, Belize, and Honduras due to Tropical Storm Lisa, which is currently developing over the Caribbean Sea. In Guatemala, southern Petén, Fraja Transversal del Norte, Izabal and Bocacosta departments have a high probability of flooding.
- 2) This past week's light to moderate rain was observed in parts of Nicaragua, Costa Rica, and Panama. These rainfall conditions have kept oversaturated soil moisture conditions over these regions. Heavy downpours are forecasted during the next week, elevating the risks for flooding and landslides over these regions.

Note: The Hazards outlook map is based on current weather/climate information, short and medium-range weather forecasts (up to 1 week), sub-seasonal forecasts up to 4 weeks, and assesses the potential impact of extreme events on crop and pasture conditions. Shaded polygons are added in areas where anomalous conditions have been observed and predicted to continue during the outlook period. The boundaries of these polygons are only approximate at the spatial scale of the map. This product takes into account long-range seasonal climate forecasts but does not reflect current or projected food security conditions. FEWS NET is a USAID-funded activity whose purpose is to provide objective information about food security conditions. Its views are not necessarily reflective of those of USAID or the U.S. Government. The FEWS NET weather hazards outlook process and products include participation by FEWS NET field and home offices, NOAA-CPC, USGS, USDA, NASA, and a number of other national and regional organizations in the countries concerned.

Questions or comments about the hazards outlooks may be directed to Dr. Wassila Thiaw, Head, International Desks/NOAA, wassila.thiaw@noaa.gov. Questions about the USAID FEWS NET activity may be directed to Dr. James Verdin, Program Manager, FEWS NET/USAID, jverdin@usaid.gov

Increased rain forecast over Belize, and along the Littorals of Nicaragua, Costa Rica and northern Panama

During the past week, most countries in Central America observed light to moderate rainfall, which led to below-average rain conditions across the region. The highest total rainfall values were observed in coastal areas in southern Costa Rica and northern Panama, where rainfall totals reached 100 mm. These rainfall patterns have caused soil moisture oversaturation in many local areas in the region. The largest thirty-day rainfall surpluses exceeded 100 mm and were observed over southwestern Nicaragua. However, drier-than-average conditions were recorded over eastern El Salvador, southwestern Honduras, and northern Panama due to a below-average rainfall distribution over the past few weeks. For vegetation conditions, the latest products have indicated near to above-average conditions throughout much of Central America, except localized areas in northern Guatemala, eastern Nicaragua, central Costa Rica, and northern Panama, where stressed vegetation conditions have been depicted.

During the next week, above-average rain is forecast over most parts of Central America, except in Panama, where below-average conditions are expected. In parts of Nicaragua, Costa Rica, and Panama, heavy rain is the forecast which may exacerbate previously-flooded areas and trigger new flooding over many local areas. A tropical cyclone is developing over the Caribbean Sea, and Hurricane and tropical storm conditions are expected over the next few days across some countries in Central America.

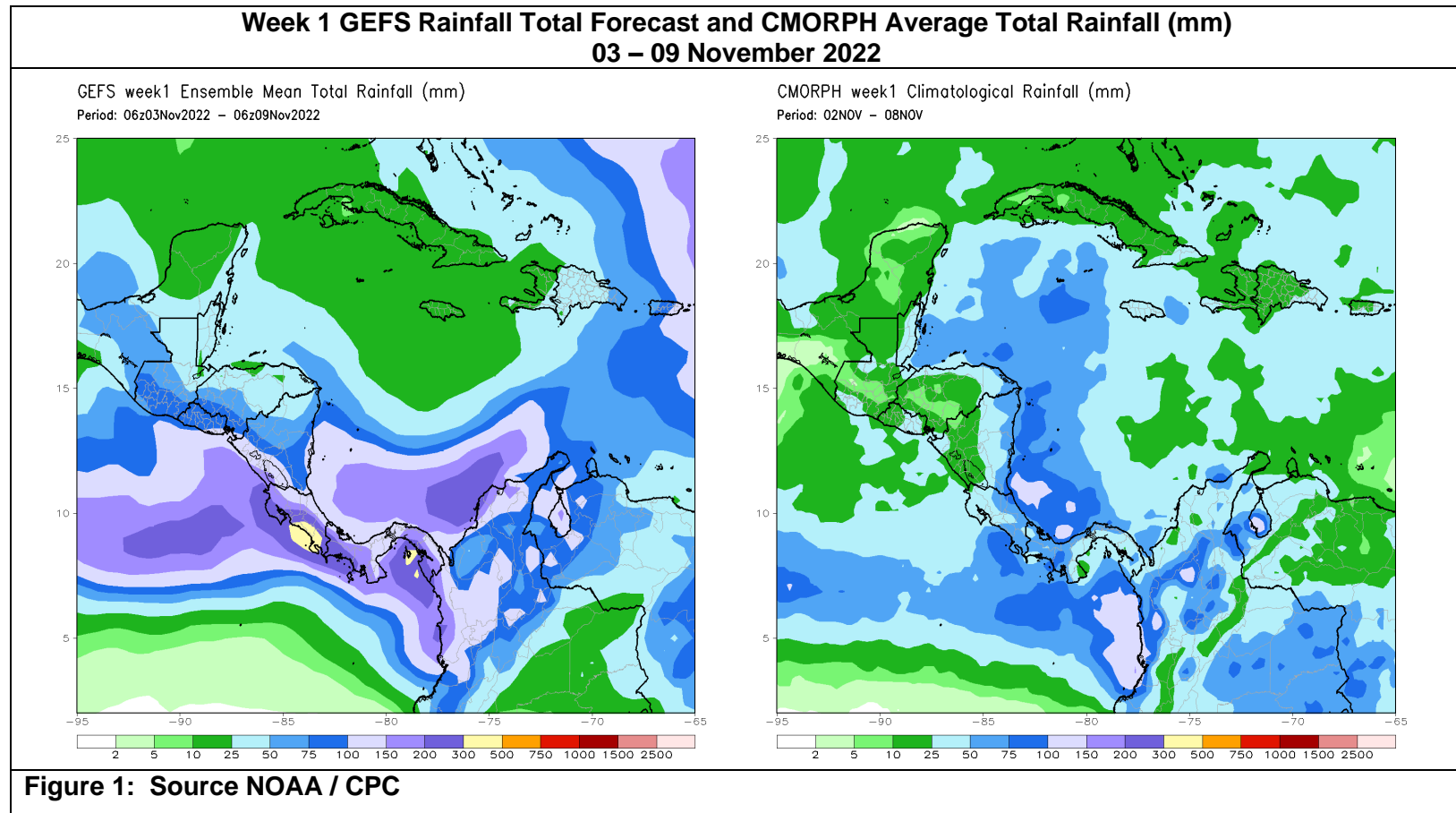


Figure 1: Source NOAA / CPC