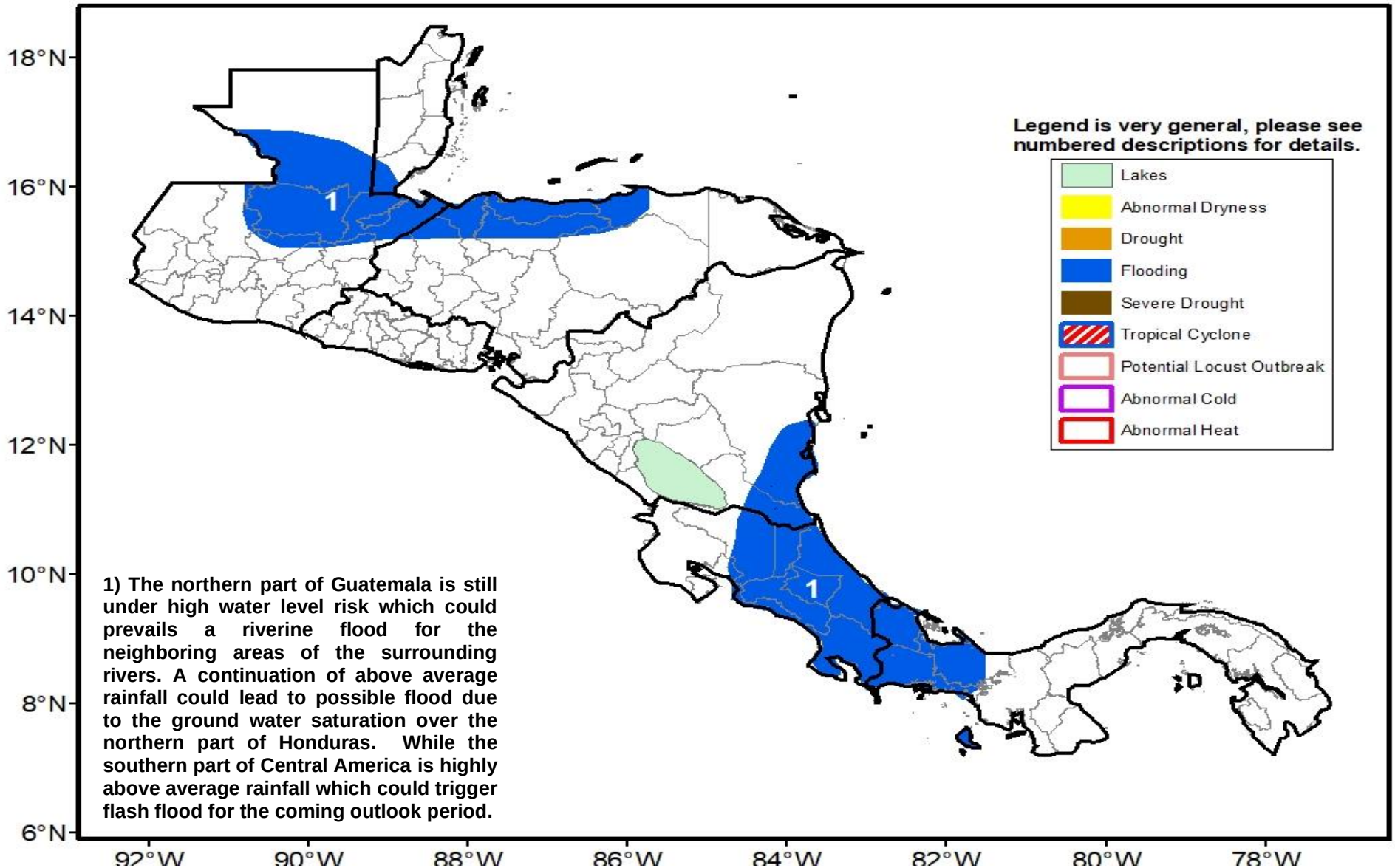
Climate Prediction Center's Central America Hazards Outlook
December 03 – 09, 2020

Riverine flood could be expected over the western part of Department of Penten for the coming outlook period.



1) The northern part of Guatemala is still under high water level risk which could prevails a riverine flood for the neighboring areas of the surrounding rivers. A continuation of above average rainfall could lead to possible flood due to the ground water saturation over the northern part of Honduras. While the southern part of Central America is highly above average rainfall which could trigger flash flood for the coming outlook period.

A continuation of rainfall could exacerbate flash flood over the country facing the Gulf of Belize.

During the past 7 days, according to the satellite estimated rainfall, a continuation of heavy rainfall has been recorded over the coastal area of Belize, the Gulf of Belize, the northeastern part of Honduras and the northern part of Nicaragua. In contrast, the coastal area in the southeastern part of Nicaragua has recorded a weak deficit. The performance for the past 30-days has been observing above 300 mm recorded over the Gulf of Belize, the northern part of Belize, the northeastern part of Nicaragua. Between 100-200 mm above average has been observed over a major part of Guatemala, El Salvador, Honduras, and the remaining area of Nicaragua. This pattern is due to the high amount of rainfall received during the passage of tropical storm Eta and Oita, which help alleviate any eventual drying progression over Nicaragua region but also triggered several flood and high raise water level over Central America rivers.
The vegetation health index is showing a favorable vegetation condition for the past three weeks and a growing vegetation for the coming week.
During the outlook period, light to moderate rainfall is expected over Guatemala, Belize and El Salvador. While the southern part of Honduras and the western part of Nicaragua is expecting light rainfall, the remaining area of Honduras and Nicaragua is expected to receive above average and could eventually trigger more flood to come due to the water ground saturation.

Week 1 GEFS Rainfall Total Forecast and CMORPH Climatology (mm)
December 02 – December 09, 2020

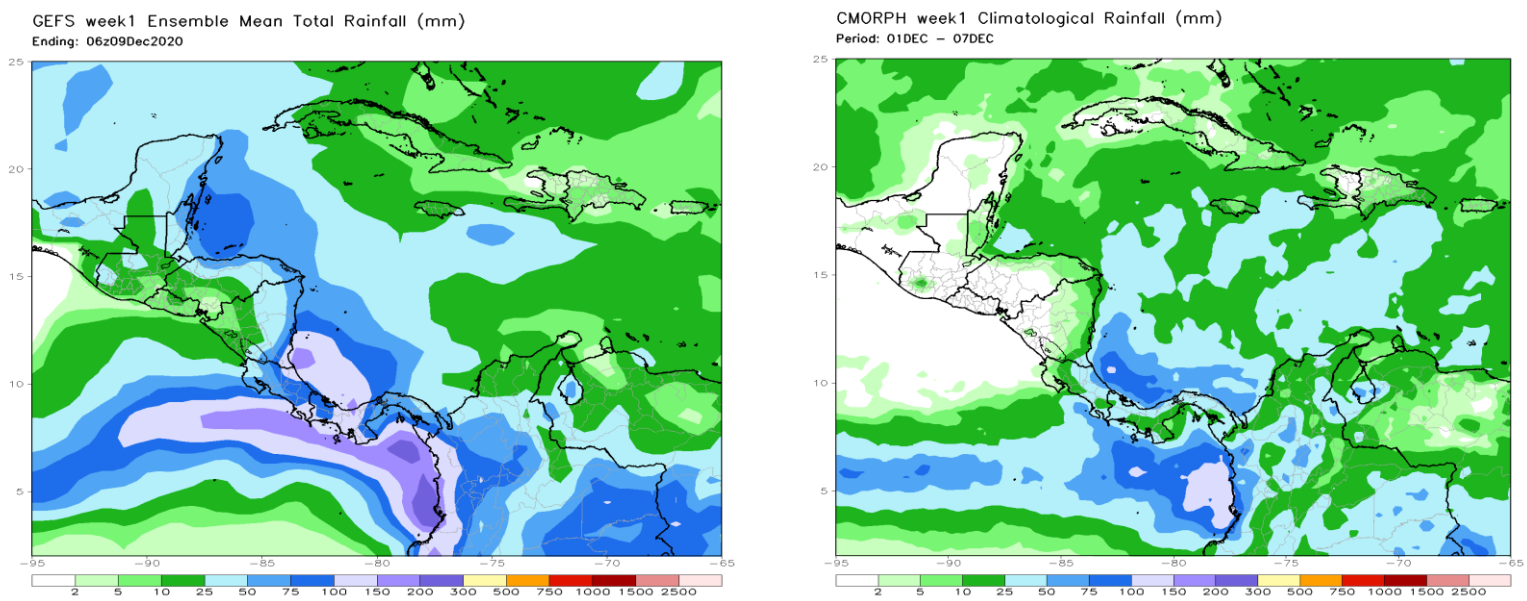


Figure 1: Source NOAA / CPC

Questions or comments about this product may be directed to Wassila.Thiaw@noaa.gov or 1-301-683-3424.