



Nicaragua

Earthquake

11 January 2018

Event Briefing

12 January 2018

1 INTRODUCTION

A magnitude 5.0 earthquake occurred at 17:03:19 UTC on 11 January 2018 (11:03:19 local time), 22.4 km (13.9 mi) NNE of Tilarán, Costa Rica; 44.7 km (27.8 mi) SE of San José, Costa Rica and 53.9 km (33.5 mi) S of San Carlos, Nicaragua. Initial estimates from the United States Geological Survey (USGS) located the epicentre of the event at 10.645°N, 84.870°W, and at a depth of 10.0 km (6.2 mi). Nicaragua was the only CCRIF member country where peak ground acceleration was greater than 0.01g for this earthquake.

2 CCRIF MODEL OUTPUTS

Under CCRIF's loss calculation protocol, a Multi-Peril Risk Estimation System (MPRES) report is required for any earthquake with a magnitude of greater than or equal to 5.0 that occurs within the region monitored by CCRIF and which generates a peak ground acceleration of at least 0.01 g in one or more grid cells of at least one member country. Based on the MPRES footprint for this earthquake, peak ground acceleration between 0.01g and 0.02g was estimated in the territory of Nicaragua, for which the loss estimation was zero (Figure 1).

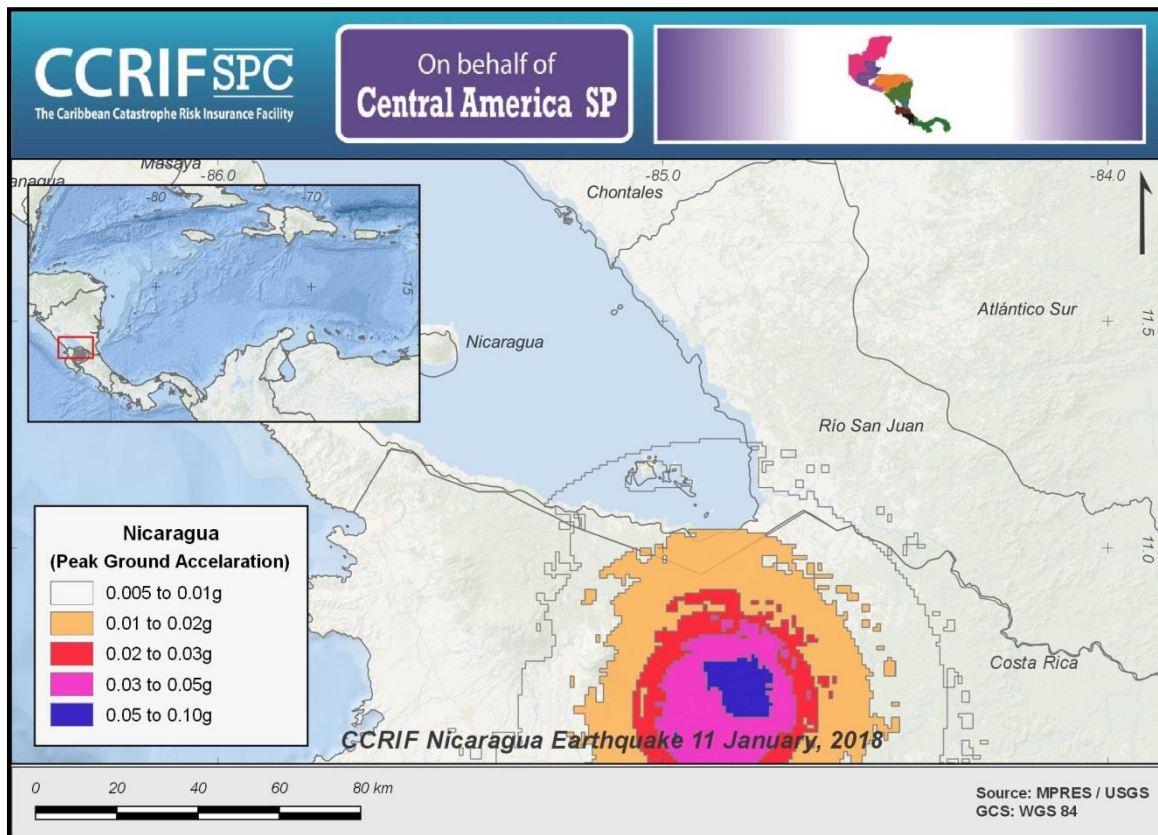


Figure 1 Map showing the peak ground acceleration in Nicaragua following the magnitude 5.0 earthquake on 11 January 2018. Source: USGS & CCRIF MPRES.

3 IMPACTS

At the time of this report, no information was available related to damages or losses in Nicaragua due to this earthquake.

According to the USGS “Did You Feel It?” online tool¹, in Nicaragua there were no reports regarding this earthquake.

4 TRIGGER POTENTIAL

The lack of impact reports corroborates preliminary runs of CCRIF’s loss model that generated no government losses for Nicaragua, and therefore no payout is due.

For further information, please contact ERN-RED, the CCRIF SPC Risk Management Specialist.

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¹ Did You Feel It?, United States Geological Survey, review date: 11 January 2018, available at:
<https://earthquake.usgs.gov/earthquakes/eventpage/us2000cid#dyfi>
