

Saint Lucia Earthquake, August 2011

Event Briefing

Caribbean Risk Managers Ltd
Facility Supervisor

9 August 2011



Facility Supervisor: Caribbean Risk Managers Ltd
Email: ccrif@ccrif.org; Main Tel (Barbados): +1 (246) 426-1525
Tel (Jamaica): +1 (876) 920-4182; Tel (USA): +1 (202) 465-4301



1 INTRODUCTION

A magnitude 5.0 earthquake occurred to the east of Saint Lucia at 12:01 am (04:01 am UTC) on 7 August 2011. Initial estimates from the US Geological Survey locate the epicentre of the event at 13.84°N, 60.31°W, and at a depth of 38km.

Reports emanating from the islands of Saint Lucia, Saint Vincent and Martinique confirm that shaking intensities ranging from II to IV on the Modified Mercalli Index were experienced onshore at these destinations. Smaller events have since occurred in relatively close proximity to the above mentioned event, with a Magnitude 4.5 aftershock at a depth of 6km occurring on 8 August, 2011 at 10:42am (14:42 pm UTC) and also a Magnitude 4.4 event to the east of Dominica at a depth of 33km on 9 August, 2011 at approximately 1:00am (06:00 am UTC).

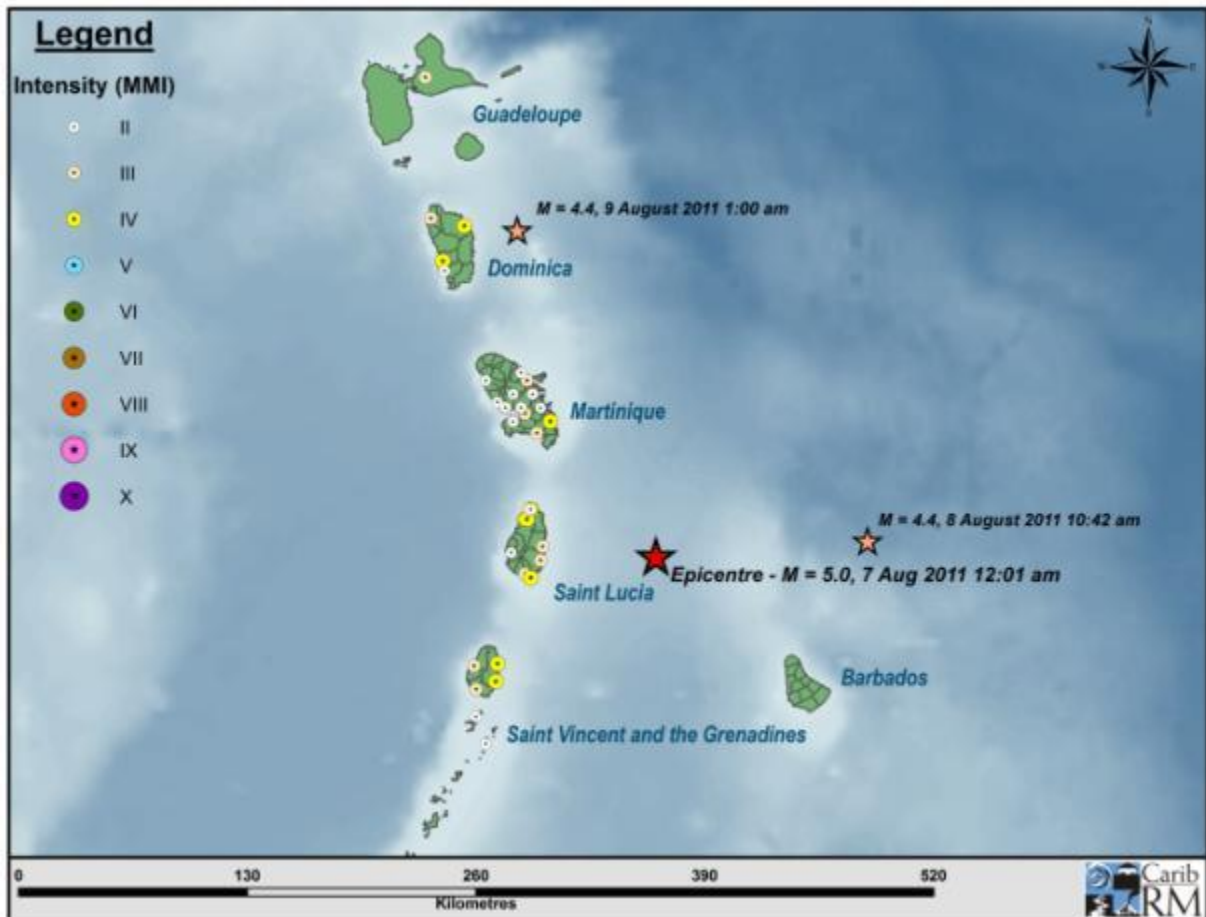


Figure 1 Map showing the distribution of felt shaking intensities across the Windward Islands following the Magnitude 5.0 earthquake on 7 August, 2011. *Source: USGS.*

2 CCRIF COVERAGE

A model loss calculation by the Facility Supervisor for this event was necessary as the threshold for an eligible event under the 2011-12 policy is an event of magnitude 5.0 or greater.

However, this earthquake did not generate a government loss in the CCRIF model and therefore did not trigger any payment from CCRIF. The result from the model is consistent with the lack of damage and with the level of shaking reported.