

**M 5.9, TOBAGO REGION, TRINIDAD AND TOBAGO**

Origin Time: Tue 2016-12-06 21:42:21 UTC (21:42:21 local)

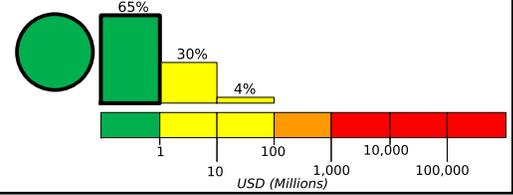
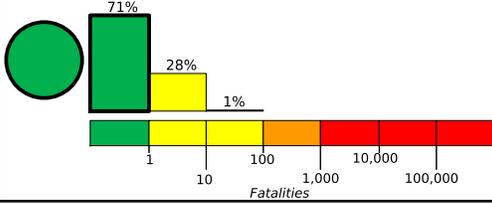
Location: 11.07°N 60.90°W Depth: 34 km

Created: 6 hours, 17 minutes after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**



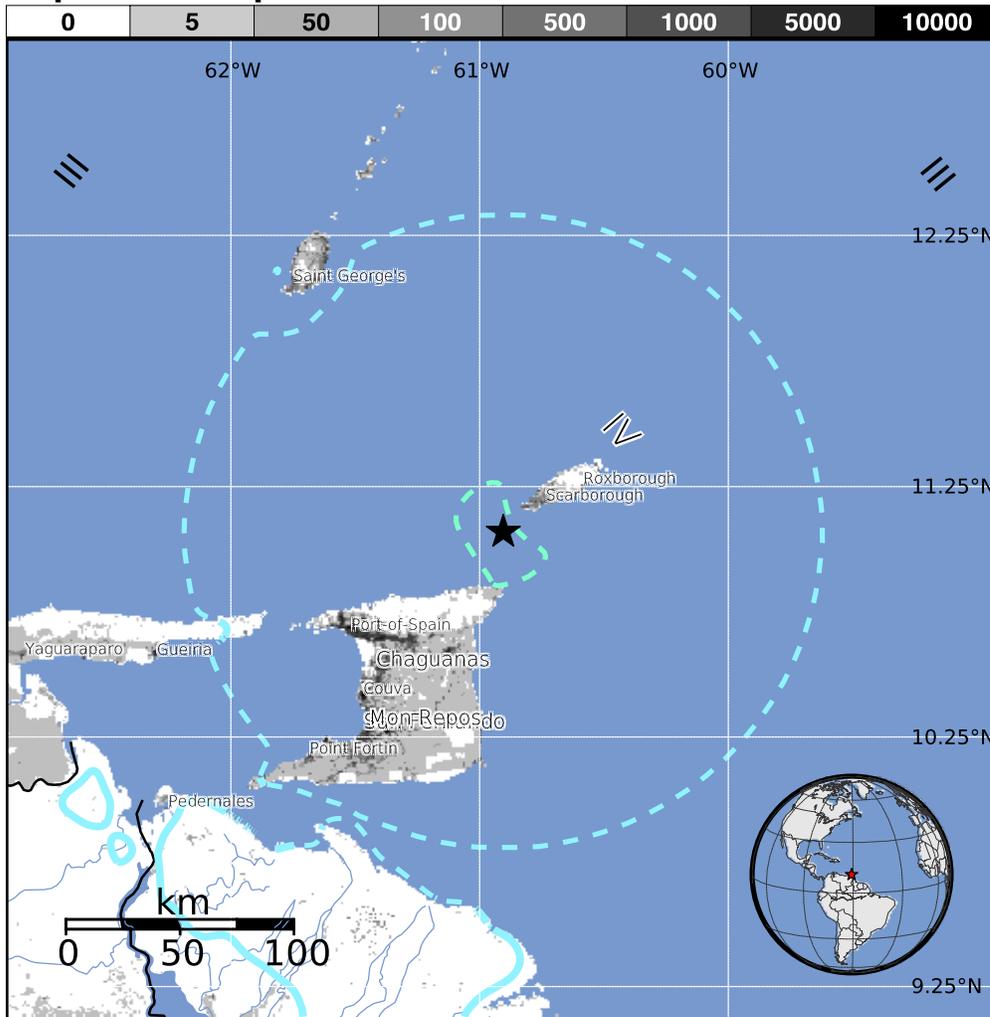
**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	173k*	1,254k	66k	0	0	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**

population per ~1 sq. km from Landsat



**Structures:**

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1997-04-08	14	5.4	VI(5k)	0
1997-04-22	24	6.6	VII(14k)	0
1988-03-10	90	6.6	VII(18k)	0

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI City	Population
<b>V Port-of-Spain</b>	<b>49k</b>
V Laventille	< 1k
V Mucurapo	4k
IV Sangre Grande	16k
<b>IV Roxborough</b>	<b>&lt; 1k</b>
IV Petit Valley	< 1k
IV Tunapuna	18k
<b>IV Chaguanas</b>	<b>67k</b>
IV Arima	35k
<b>IV Point Fortin</b>	<b>19k</b>
<b>IV San Fernando</b>	<b>55k</b>

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/earthquakes/eventpage/us10007gpp>

Event ID: us10007gpp