Earthquake Shaking **Green Alert**

M 5.9, ANTIGUA AND BARBUDA REG, LEEWARD ISLANDS

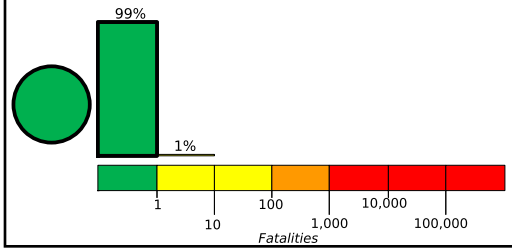
Origin Time: Fri 2014-05-16 11:01:40 UTC (07:01:40 local)

Location: 17.09°N 60.36°W Depth: 5 km

PAGER Version 2

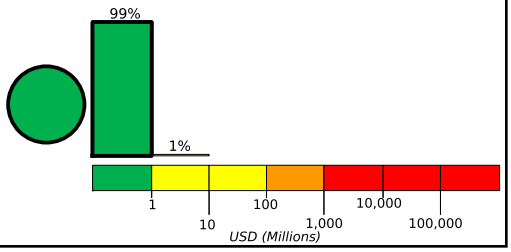
Created: 4 weeks, 2 days after earthquake

Estimated Fatalities



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

Estimated Economic Losses



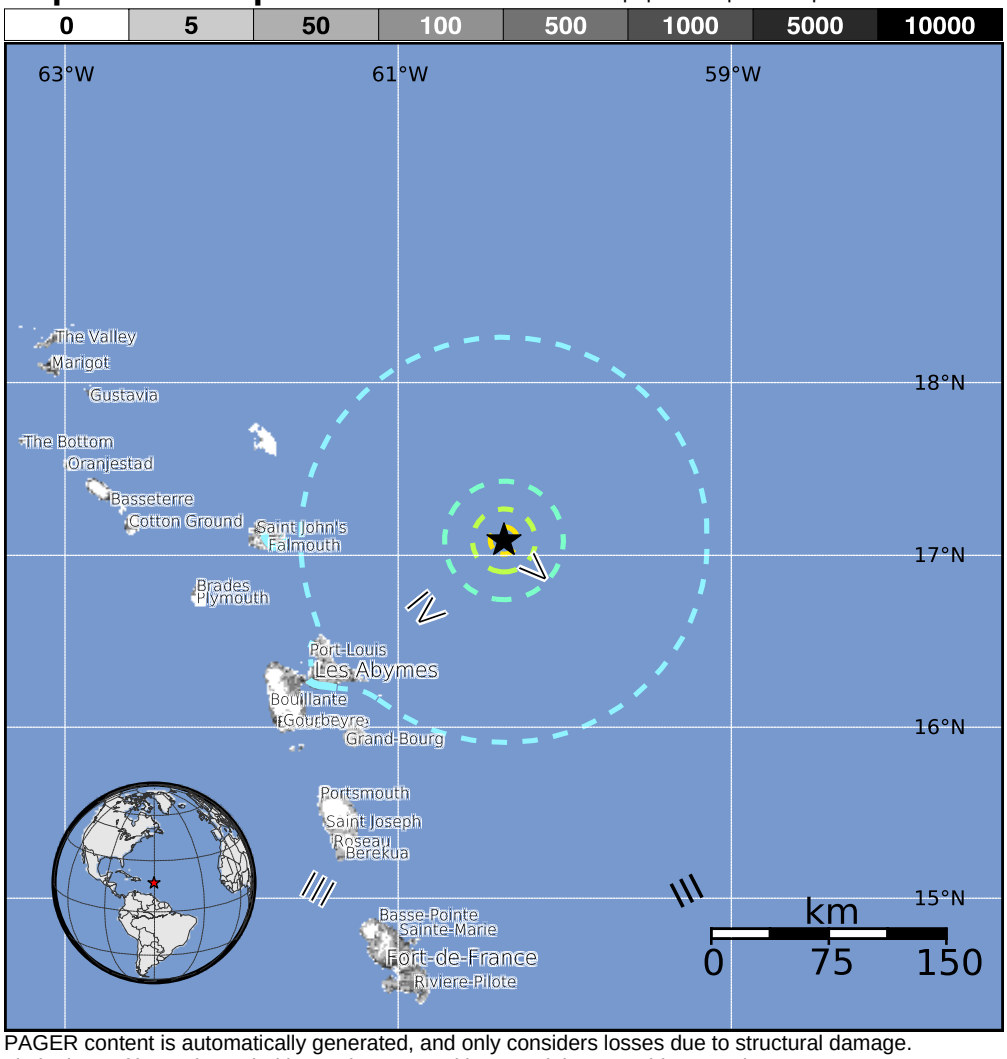
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	825k	310k	0	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 Landscan



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
1982-01-20	372	5.2	IV(557k)	0
1974-10-08	171	7.5	VIII(40k)	0
2004-11-21	211	6.3	VII(3k)	1

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Saint-Francois	13k
IV	Le Moule	23k
IV	Anse-Bertrand	5k
IV	Petit-Canal	9k
IV	**Port-Louis**	**6k**
IV	Grande Anse	2k
IV	**Saint John's**	**24k**
III	**Basse-Terre**	**11k**
III	**Roseau**	**17k**
III	**Basseterre**	**13k**
III	**Fort-de-France**	**90k**

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/pager

Event ID: usb000qqlq