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Earthquake Shaking Green Alert

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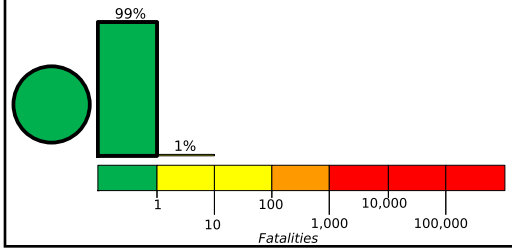
M 5.7, BARBADOS REGION, WINDWARD ISLANDS

Origin Time: Thu 2015-07-16 11:01:45 UTC (07:01:45 local)
Location: 13.88°N 58.47°W Depth: 7 km

PAGER Version 4

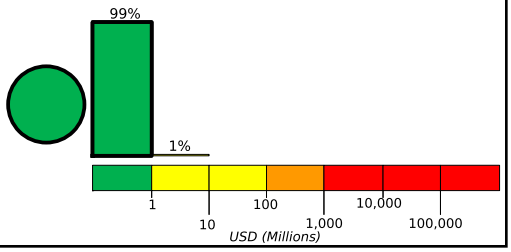
Created: 12 weeks, 1 day after earthquake

Estimated Fatalities



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

Estimated Economic Losses



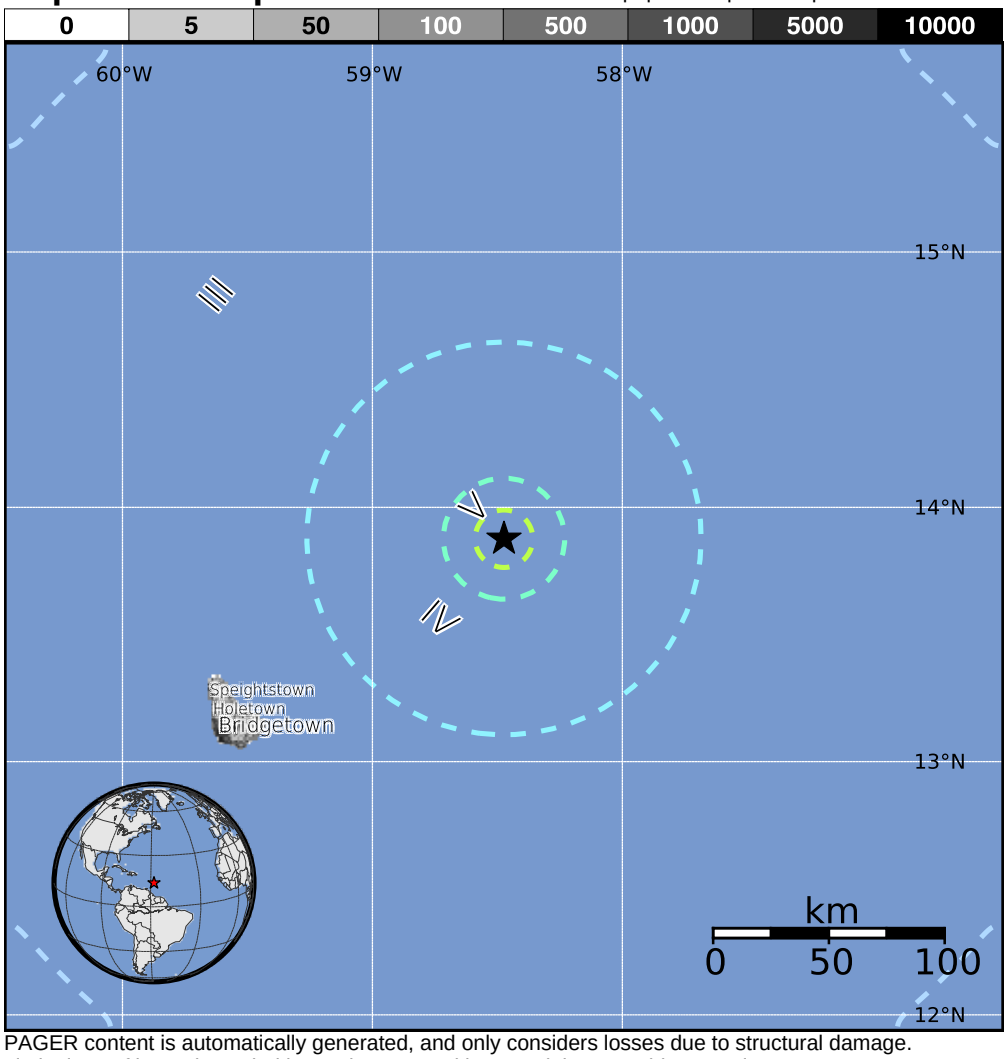
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	290k	0	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	216	5.2	IV(557k)	0
2001-01-05	361	5.7	VI(55k)	0
2004-11-21	398	6.3	VII(3k)	1

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Bathsheba	2k
III	Welchman Hall	< 1k
III	**Bridgetown**	**99k**
III	**Speightstown**	**4k**
III	**Holetown**	**1k**
III	Oistins	2k

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: us20002xw5