

M 6.1, OFFSHORE GUATEMALA

Origin Time: Sun 2014-12-07 21:16:37 UTC (15:16:37 local)

Location: 13.67°N 91.46°W Depth: 43 km

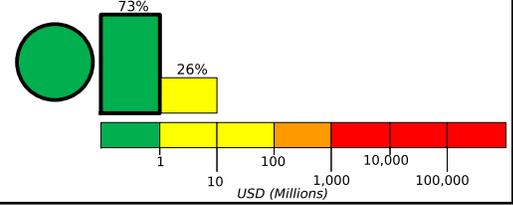
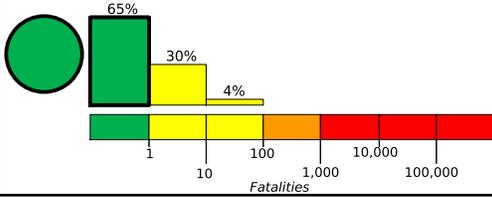
PAGER Version 4

Created: 6 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

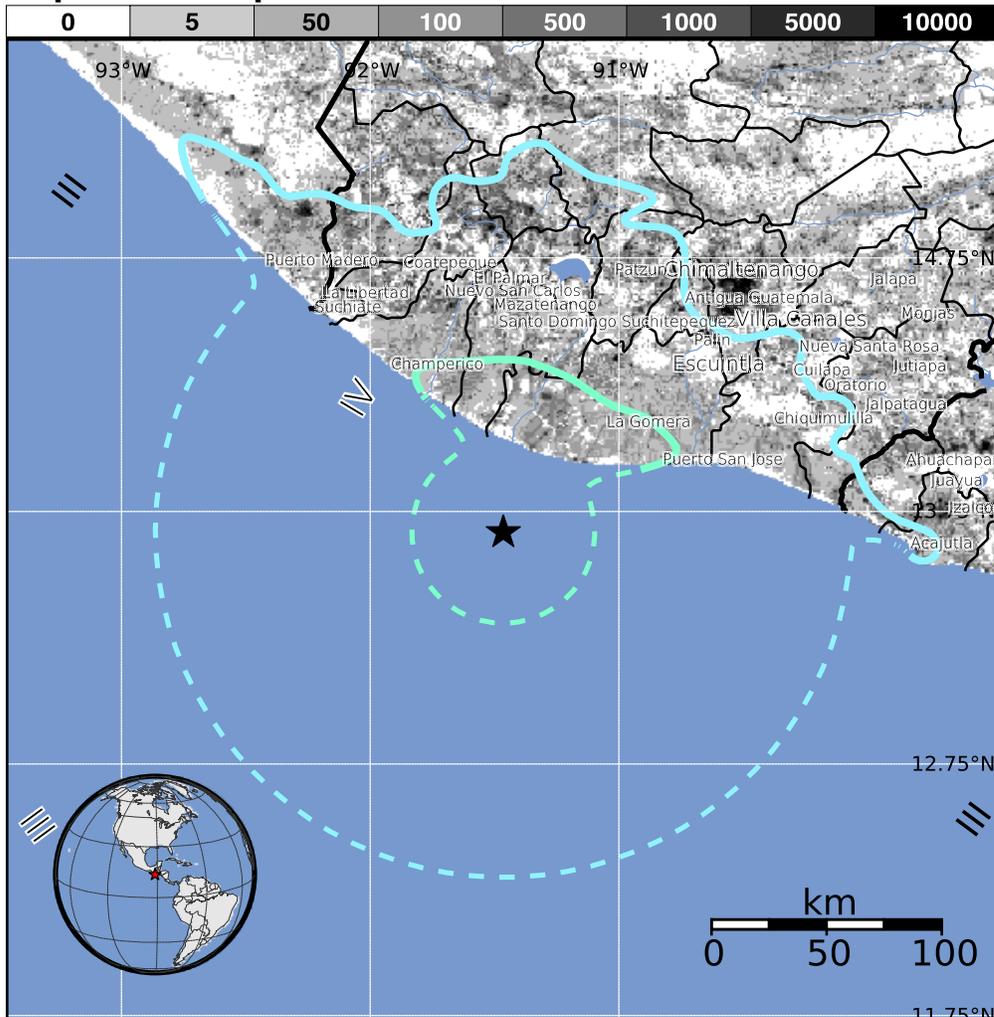


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	8,562k*	5,972k	383k	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



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
1976-02-04	159	5.4	V(2,086k)	0
1978-07-29	124	4.9	VII(14k)	17
1976-02-04	302	7.5	IX(80k)	23k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Nueva Concepcion	11k
V	La Gomera	24k
V	Puerto San Jose	19k
IV	Champerico	8k
IV	Rio Bravo	8k
IV	Escuintla	103k
IV	Chimaltenango	82k
IV	Quetzaltenango	132k
III	Huehuetenango	79k
III	Guatemala City	995k

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: usc000t4gc