

M 6.6, GUATEMALA

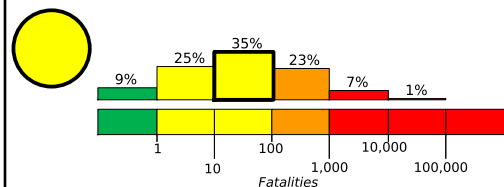
Origin Time: Sat 2013-09-07 00:13:29 UTC (18:13:29 local)

Location: 14.64°N 92.10°W Depth: 67 km

PAGER
Version 2

Created: 3 hours, 25 minutes after earthquake

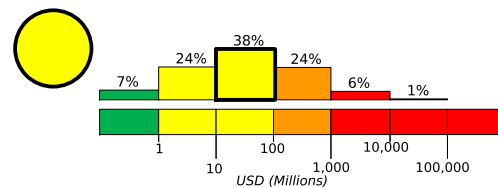
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Guatemala.

Estimated Economic Losses

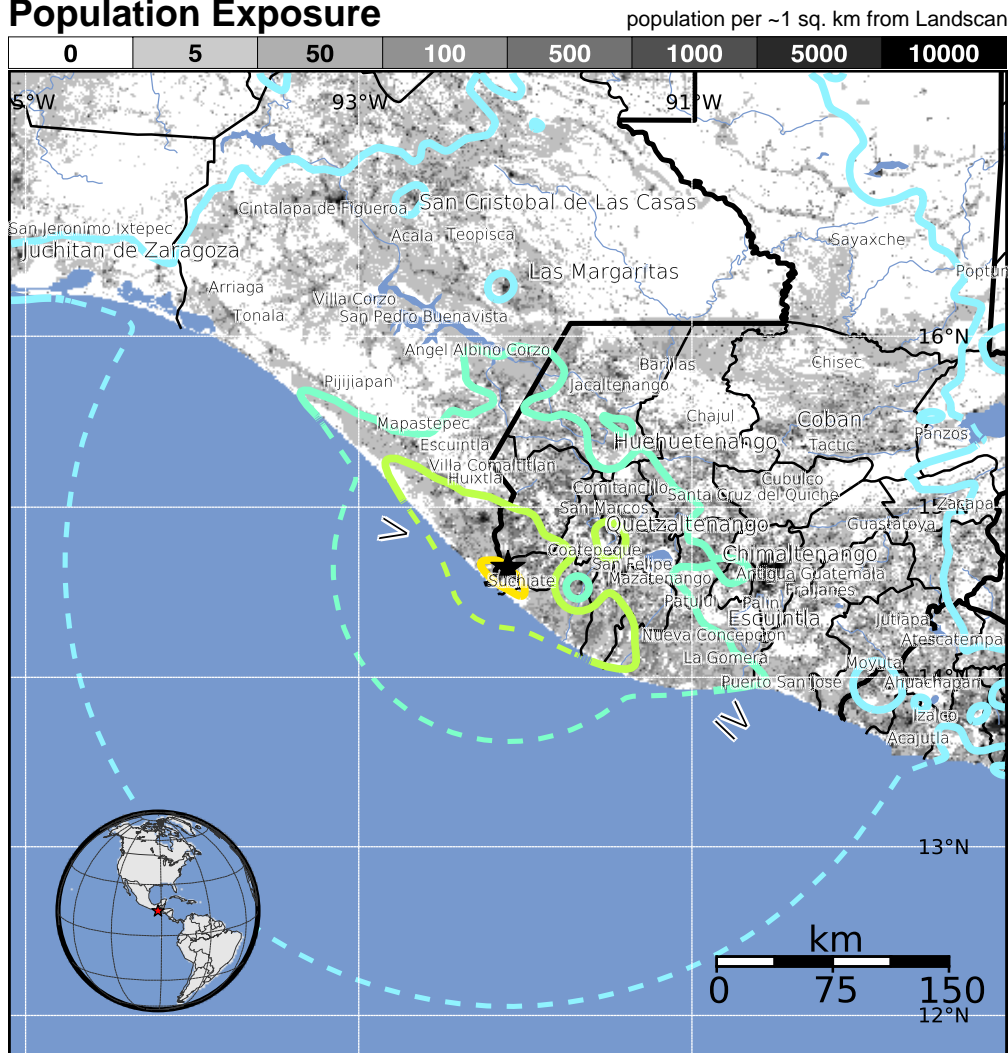


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	1,742k*	14,652k	4,672k	1,909k	95k	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. The predominant vulnerable building types are mud wall and concrete/cinder block masonry construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-02-08	397	5.6	VII(41k)	0
1991-09-18	123	6.2	IX(9k)	25
1976-02-04	322	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
VII	Ciudad Tecun Uman	11k
VII	La Libertad	4k
VI	Frontera Hidalgo	3k
VI	Ocos	9k
VI	Suchiate	14k
VI	Champerico	8k
VI	Quetzaltenango	132k
IV	Guatemala City	995k
IV	Santa Tecla	125k
IV	Tuxtla Gutierrez	481k
IV	San Salvador	526k

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: usb000jkmw