

# M 7.4, offshore Guatemala

Origin Time: 2012-11-07 16:35:46 UTC (Wed 10:35:46 local)  
 Location: 13.9880° N 91.8950° W Depth: 24.0 km

## PAGER Version 1

Created: 414 weeks, 6 days after earthquake

### Estimated Fatalities

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

### Estimated Economic Losses

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 Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	37k*	11,586k*	6,680k	3,063k	470k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-01-13	360	7.7	VIII(417k)	267
1986-10-10	296	5.7	VIII(30k)	950
1976-02-04	329	7.5	IX(80k)	23k

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

## Selected City Exposure

MMI	City	Population
VII	Champerico	8k
VII	San Jose La Maquina	<1k
VII	Retalhuleu	37k
VII	Ocos	9k
VI	La Blanca	<1k
VI	Flores Costa Cuca	12k
VI	Quetzaltenango	132k
V	<b>Guatemala City</b>	<b>995k</b>
IV	Tuxtla	481k
IV	Santa Ana	177k
IV	San Salvador	526k

bold cities appear on map.

(k=x1000)