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Earthquake Shaking Yellow Alert

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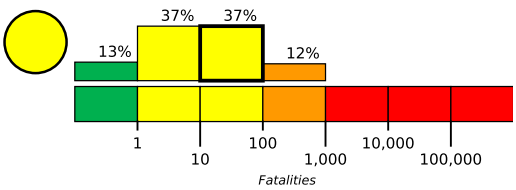
M 6.6, 27km SSE of La Libertad, El Salvador

Origin Time: 2019-05-30 09:03:32 UTC (Thu 03:03:32 local)
Location: 13.2428° N 89.2719° W Depth: 65.1 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER Version 2

Created: 2 hours, 4 minutes after earthquake

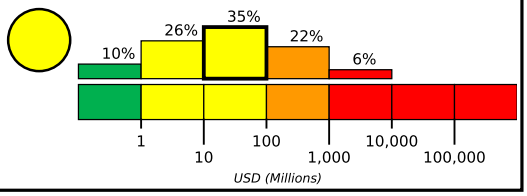
Estimated Fatalities



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 El Salvador.

Estimated Economic Losses



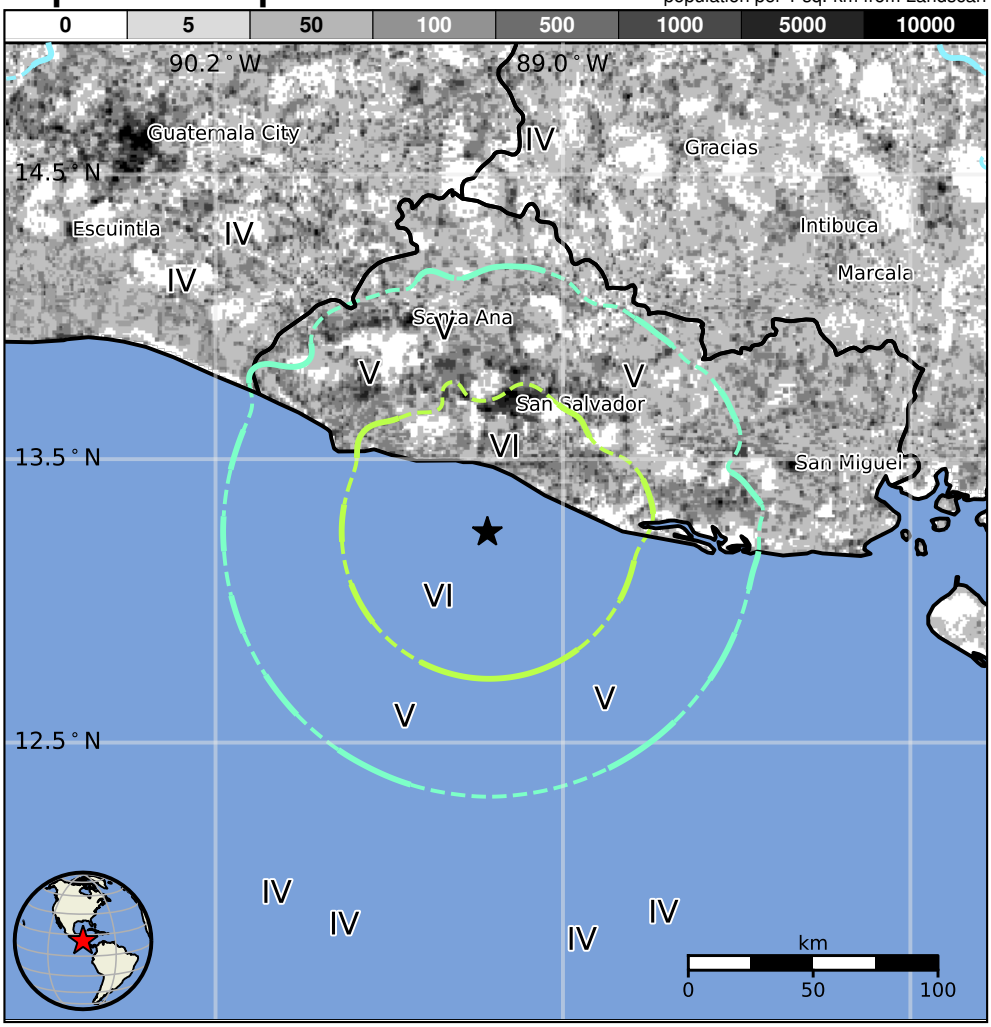
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	40k*	10,379k	2,754k	2,399k	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	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

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1978-07-29	250	4.9	VII(14k)	17
1982-06-19	11	7.3	VIII(220k)	43
1976-02-04	228	7.5	IX(80k)	23k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	La Libertad	17k
VI	El Rosario	6k
VI	Rosario de Mora	5k
VI	San Pedro Masahuat	3k
VI	Olocuilta	6k
VI	Zaragoza	12k
VI	Santa Tecla	125k
VI	**San Salvador**	**526k**
V	**Santa Ana**	**177k**
IV	**San Miguel**	**162k**
IV	**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.

https://earthquake.usgs.gov/earthquakes/eventpage/us70003t2n#pager

Event ID: us70003t2n