

M 7.2, GUERRERO, MEXICO

Origin Time: Fri 2014-04-18 14:27:24 UTC (09:27:24 local)

Location: 17.40°N 100.97°W Depth: 24 km

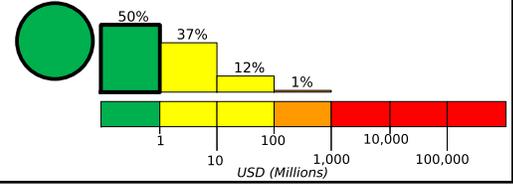
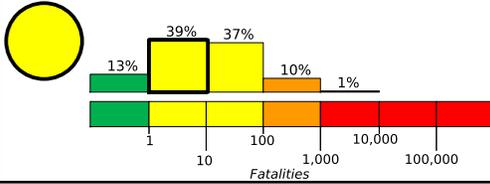
Created: 10 weeks, 2 days after earthquake

Estimated Fatalities

Yellow alert level for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert level for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

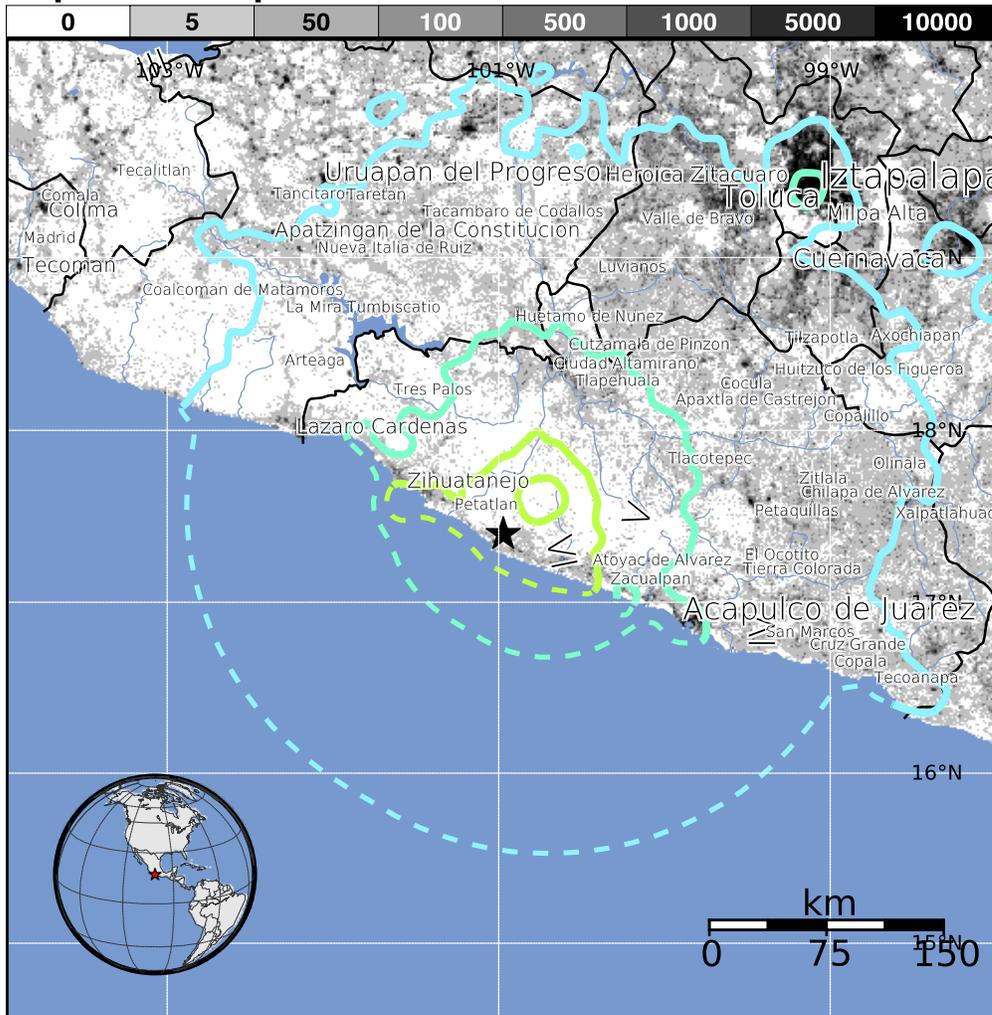


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	9,336k*	24,406k*	8,581k	278k	2k	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 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 (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-03-09	368	5.9	VII(111k)	0
1980-10-24	273	7.1	VIII(11k)	65
1985-09-19	197	8.0	VII(353k)	10k

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

Selected City Exposure

from GeoNames.org

MMI City	Population
VI Zihuatanejo	61k
VI Ixtapa	5k
VI Tecpan de Galeana	15k
VI Petatlan	21k
VI San Jeronimito	6k
V Mexico City	12,294k
IV Morelia	593k
IV Puebla de Zaragoza	1,590k
IV Cuernavaca	344k
IV Toluca	506k

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: usb000pq41