

M 7.4, 9 km SE of Santa Mara Xadani, Mexico

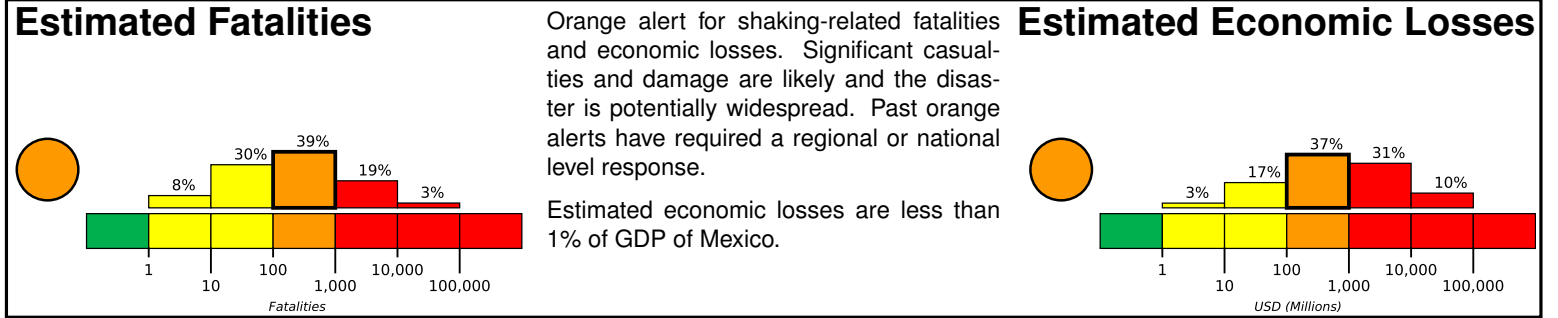
Origin Time: 2020-06-23 15:29:04 UTC (Tue 10:29:04 local)

Location: 15.8861° N 96.0077° W Depth: 20.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER
Version 12

Created: 9 weeks, 4 days after earthquake

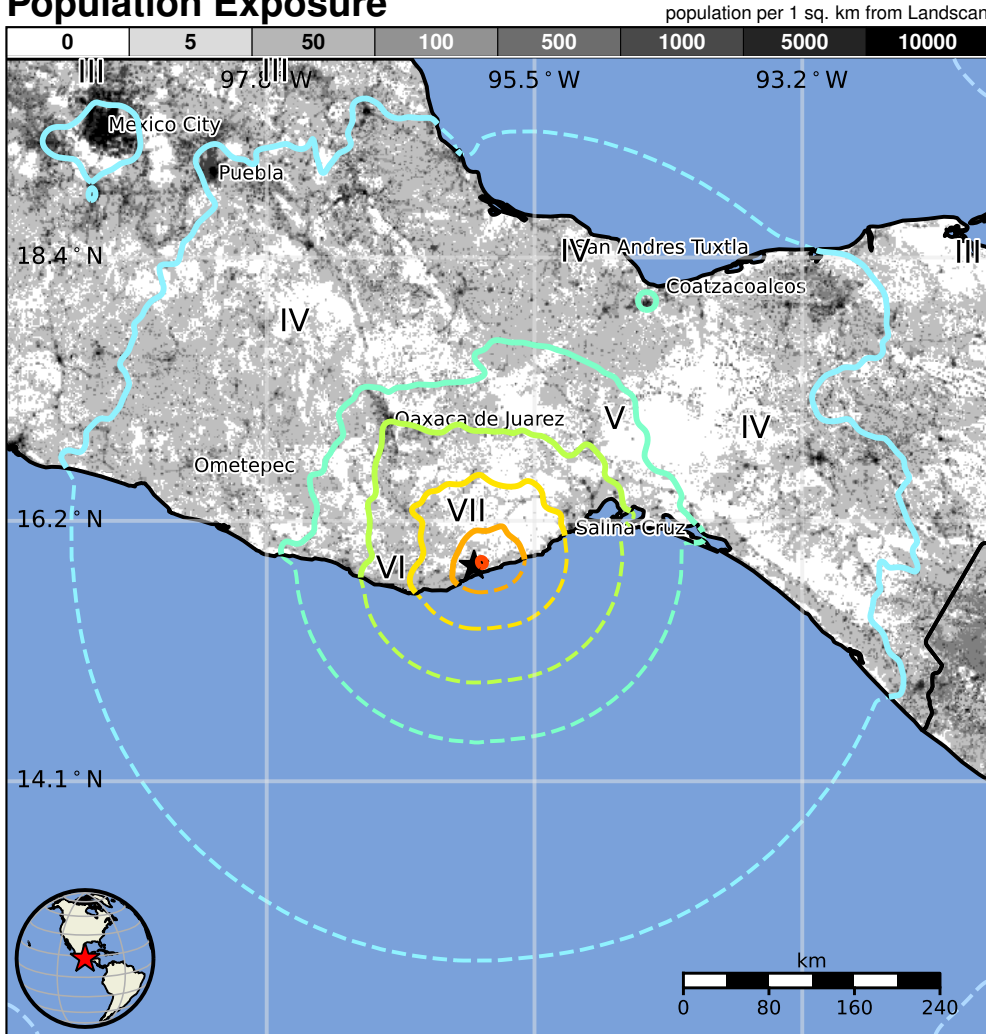


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	19,144k*	37,709k	1,633k	1,487k	204k	45k	1k	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
1975-11-05	358	5.0	VI(21k)	1
1980-10-24	347	7.1	VIII(11k)	65
1973-08-28	268	7.2	VII(847k)	600

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
VIII	El Coyul	2k
VIII	Santa Maria Xadani	6k
VIII	Santiago Astata	<1k
VIII	San Miguel del Puerto	<1k
VIII	Crucecita	15k
VIII	San Pedro Huamelula	<1k
IV	Mexico City	12,294k
IV	Tuxtla	481k
IV	Puebla	1,590k
IV	Xalapa de Enriquez	425k
III	Toluca	506k

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/us6000ah9t#pager>

bold cities appear on map.

(k=x1000)

Event ID: us6000ah9t