Earthquake Shaking Green Alert

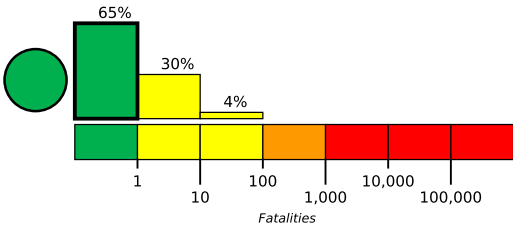
M 5.8, 6km S of Santo Domingo Zanatepec, Mexico

Origin Time: 2020-01-05 04:40:50 UTC (Sat 22:40:50 local)
Location: 16.4222° N 94.3471° W Depth: 97.2 km

PAGER Version 2

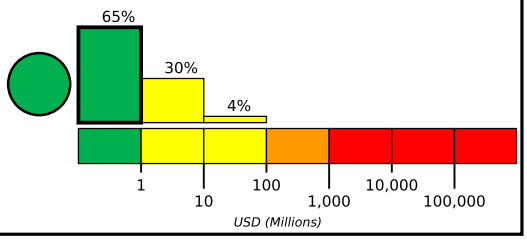
Created: 2 hours, 2 minutes after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



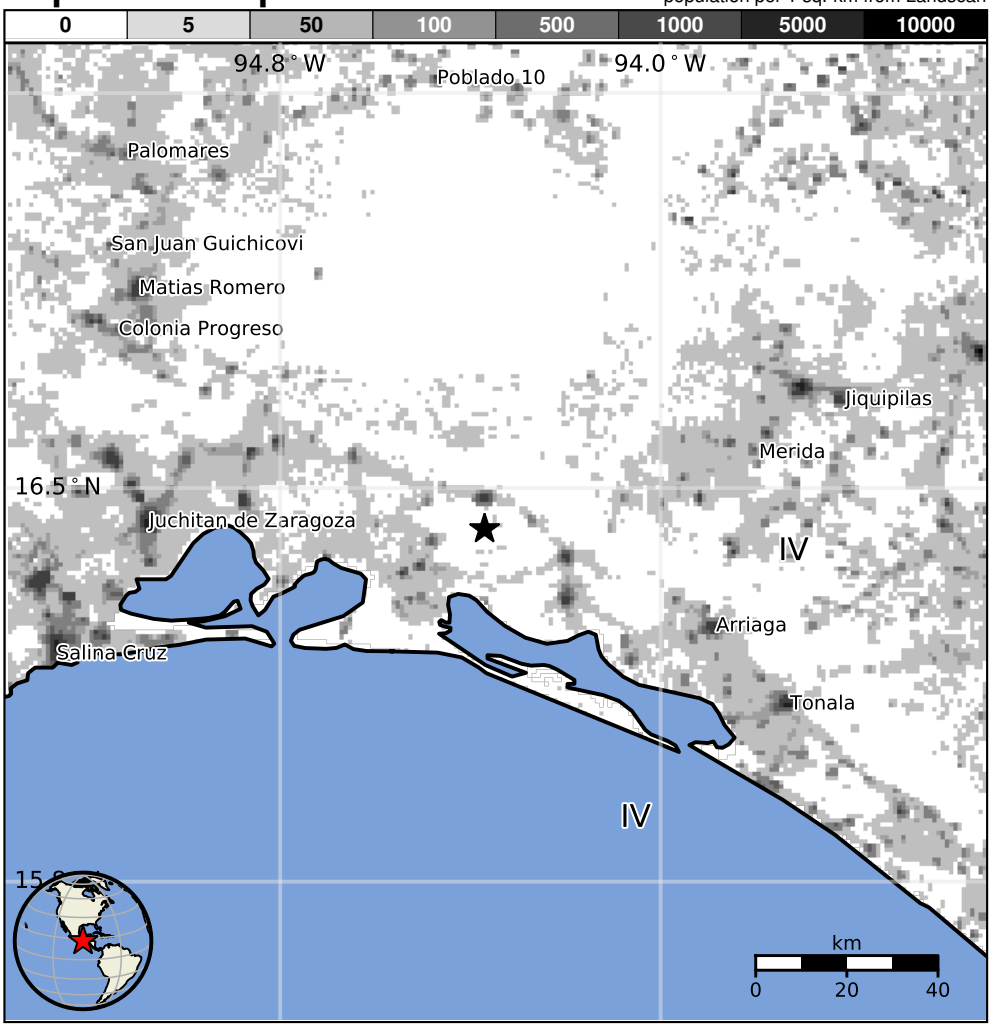
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	–*	1,128k	0	0	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 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
1994-07-04	360	6.4	V(118k)	2
1975-11-05	171	5.0	VI(21k)	1
1973-08-28	313	7.2	VII(847k)	600

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
IV	Santo Domingo Zanatepec	7k
IV	San Francisco Ixhuatan	6k
IV	San Pedro Tapanatepec	7k
IV	Chahuite	10k
IV	San Francisco del Mar Viejo	4k
IV	La Blanca	1k
IV	**Juchitan de Zaragoza**	**68k**
IV	Cintalapa de Figueroa	33k
IV	**Tonala**	**33k**
IV	**Salina Cruz**	**74k**
IV	Santo Domingo Tehuantepec	37k

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/us70006uwq#pager

Event ID: us70006uwq