

M 4.1, 45.0 km (28.0 mi) SW of Ocotillo, CA

Origin Time: Thu 2013-12-26 00:18:19 UTC (16:18:19 local)

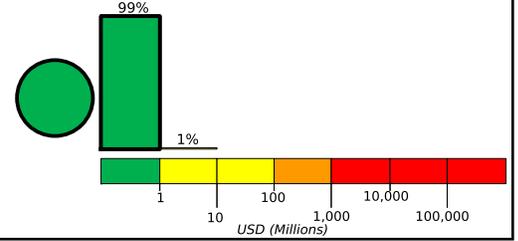
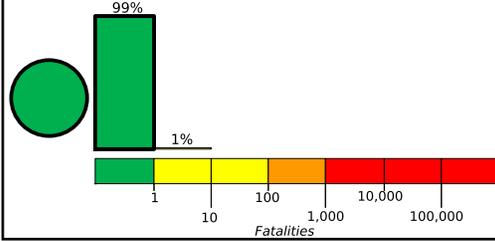
Location: 32.40°N 116.27°W Depth: 15 km

Created: 1 day, 22 hours 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

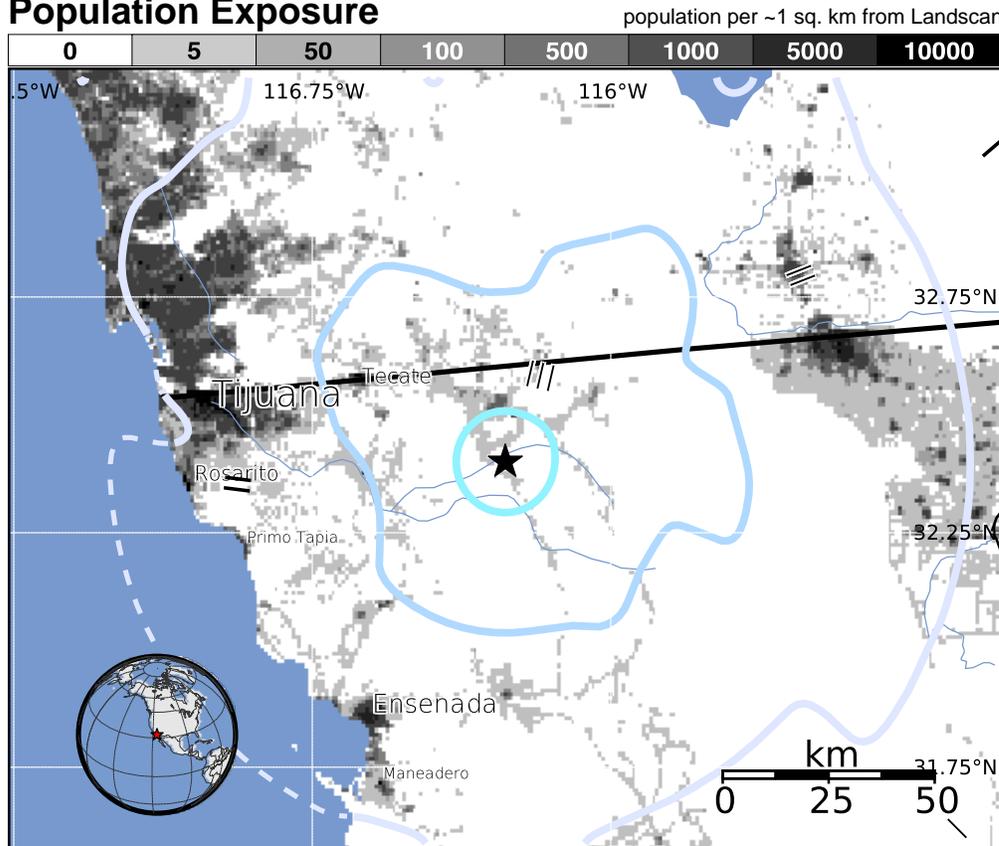


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		905k*	4,944k	5k	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	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.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-12-08	135	5.7	VIII(72)	0
2002-02-22	102	5.5	VIII(8k)	0
1980-06-09	129	6.3	IX(336)	1

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Campo	3k
III	Tecate	58k
III	Pine Valley	2k
II	Lakeside	21k
II	Seeley	2k
II	Descanso	1k
II	Mexicali	597k
II	Chula Vista	244k
II	Ensenada	257k
II	San Diego	1,307k
II	Tijuana	1,376k

bold cities appear on map

(k = x1000)