Earthquake Shaking Green Alert

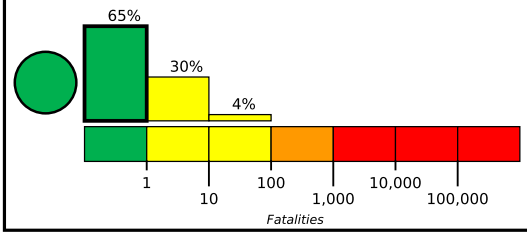
M 6.1, 173km ESE of San Jose del Cabo, Mexico

Origin Time: 2020-05-22 08:46:06 UTC (Fri 01:46:06 local)
Location: 22.4028° N 108.1636° W Depth: 10.0 km

PAGER Version 2

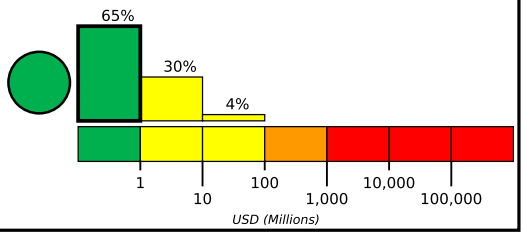
Created: 2 hours, 2 minutes after earthquake

Estimated Fatalities



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

Estimated Economic Losses



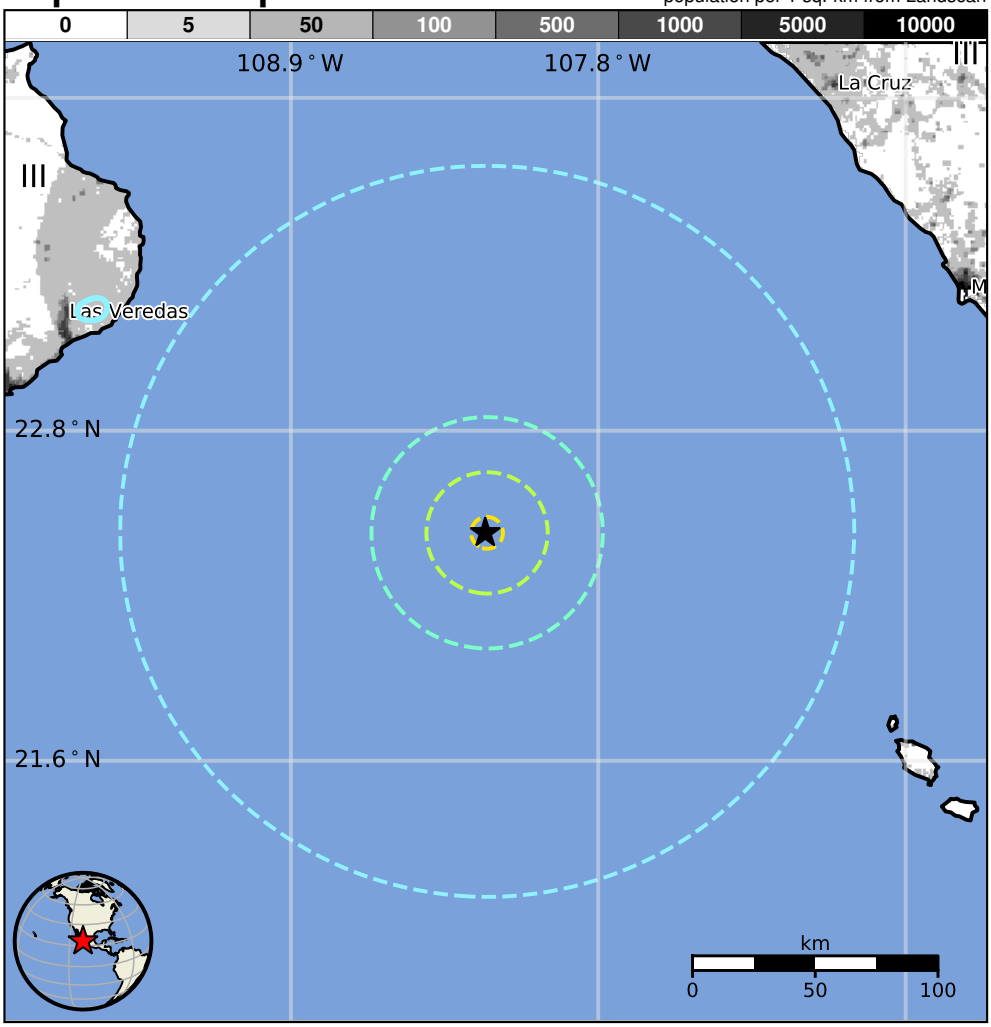
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	434k*	404k	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
2007-09-01	324	6.1	V(17k)	–
1990-03-16	284	6.1	V(534k)	–
1995-06-30	315	5.7	VI(170k)	–

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	**Mazatlan**	**355k**
IV	San Jose del Cabo	49k
IV	Empaque Tarriba	1k
IV	Fraccionamiento los Angeles	6k
IV	La Playa	1k
IV	**Las Veredas**	**10k**
IV	Pueblo Nuevo	2k
III	**La Cruz**	**16k**
III	El Carrizo	5k
III	Cabo San Lucas	43k
III	San Ignacio	4k

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/us70009n5p#pager

Event ID: us70009n5p