Earthquake Shaking Green Alert

M 6.2, 61 km S of Masachapa, Nicaragua

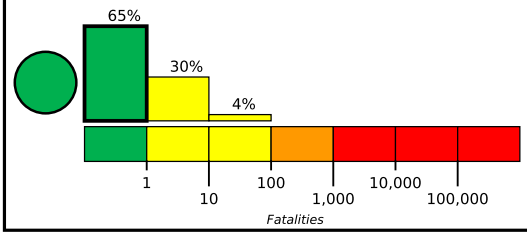
Origin Time: 2021-11-09 06:25:17 UTC (Tue 00:25:17 local)
Location: 11.2315° N 86.5185° W Depth: 35.0 km

PAGER Version 2

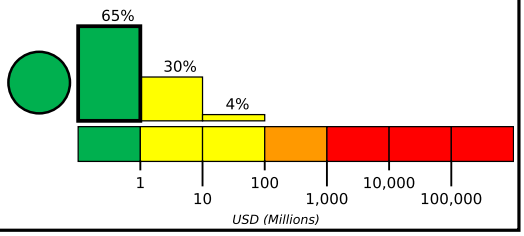
Created: 2 hours, 3 minutes after earthquake

Estimated Fatalities

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



Estimated Economic Losses



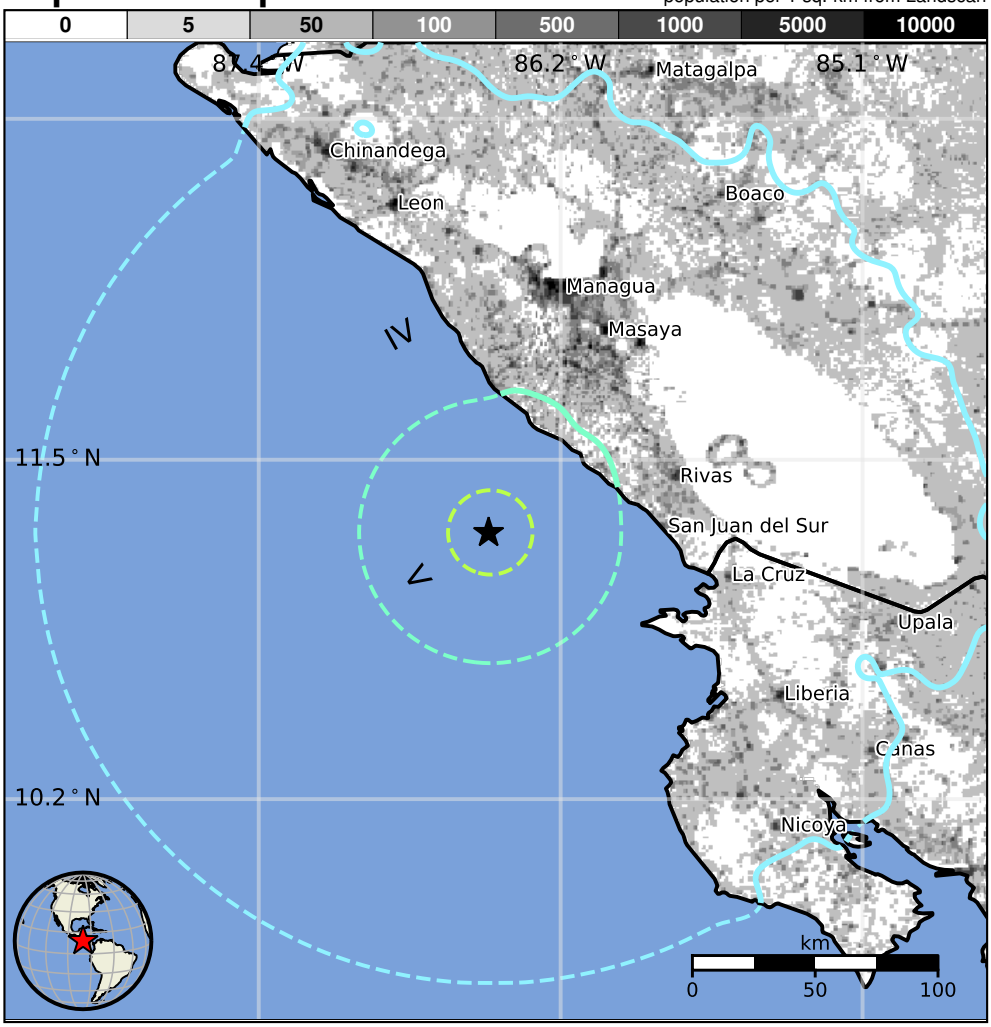
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	655k*	4,197k	30k	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 highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-02-17	399	4.1	V(2,250k)	1
2001-05-08	357	5.7	VII(562k)	1
1972-12-23	131	6.2	VIII(311k)	11k

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	El Rosario	3k
IV	Masachapa	5k
IV	San Rafael del Sur	30k
IV	Santa Teresa	6k
IV	Tola	3k
IV	Carlos Fonseca Amador	5k
IV	**Managua**	**973k**
IV	**Masaya**	**130k**
IV	**Leon**	**145k**
IV	**Chinandega**	**126k**
III	**Matagalpa**	**109k**

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/us7000fskw#pager

Event ID: us7000fskw