

M 5.5, NICARAGUA

Origin Time: Wed 2016-09-28 16:48:55 UTC (10:48:55 local)

Location: 12.44°N 86.52°W Depth: 7 km

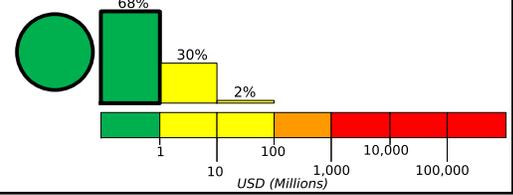
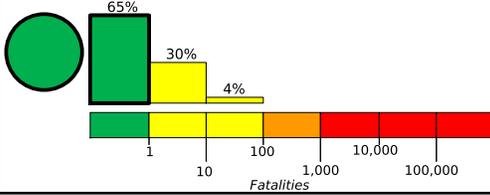
PAGER Version 6

Created: 5 weeks, 4 days 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

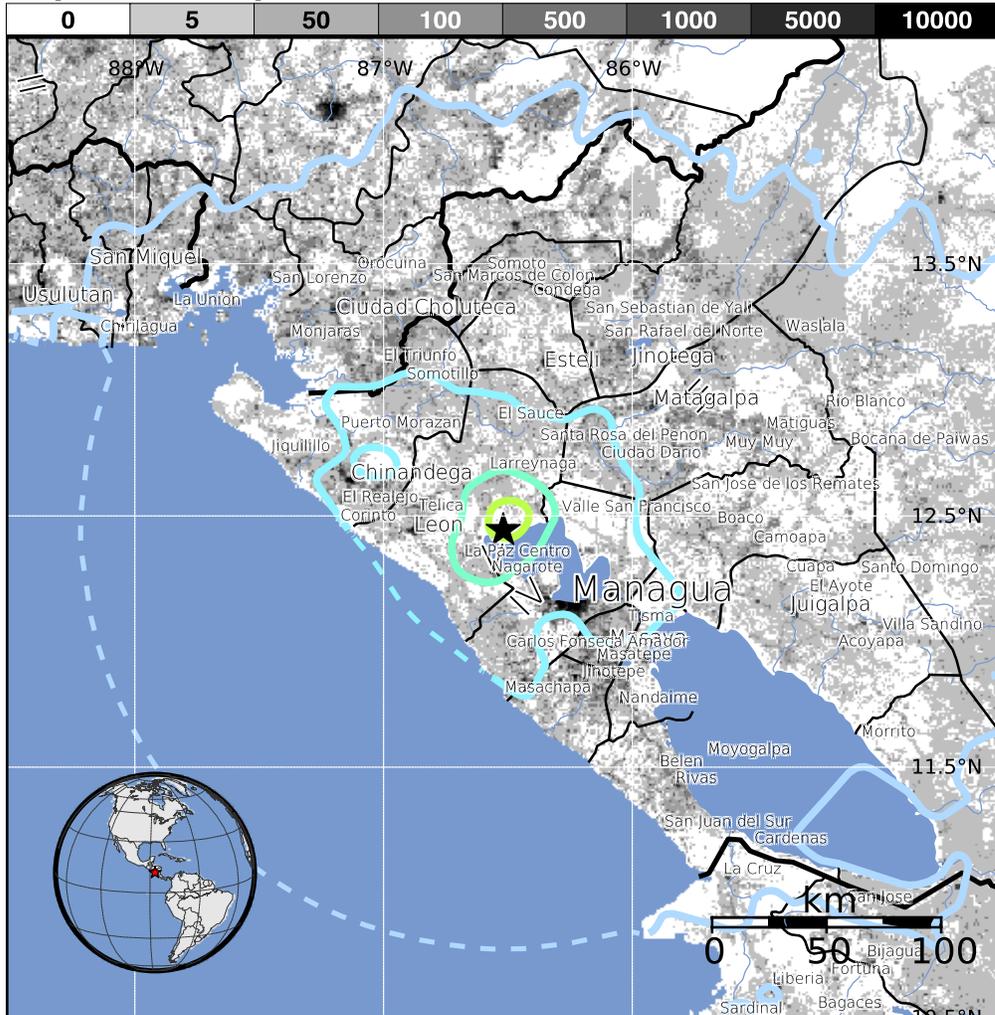


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	7,768k	2,350k	70k	5k	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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1995-06-14	197	6.5	V(561k)	0
1996-03-03	54	6.7	VIII(46k)	0
2000-07-06	76	5.4	VII(173k)	7

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	La Paz Centro	23k
V	La Paz Centro	< 1k
V	Nagarote	26k
IV	Larreynaga	8k
IV	Telica	9k
IV	Leon	145k
IV	Chinandega	126k
IV	Managua	973k
III	Masaya	130k
II	Tegucigalpa	851k

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.

<http://earthquake.usgs.gov/earthquakes/eventpage/us10006tk4>

Event ID: us10006tk4