

# M 5.7, NICARAGUA

Origin Time: Thu 2016-09-15 05:57:24 UTC (23:57:24 local)

Location: 12.44°N 86.64°W Depth: 10 km

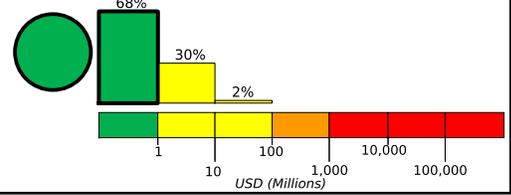
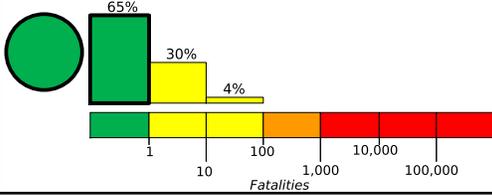
## PAGER Version 3

Created: 5 weeks, 2 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

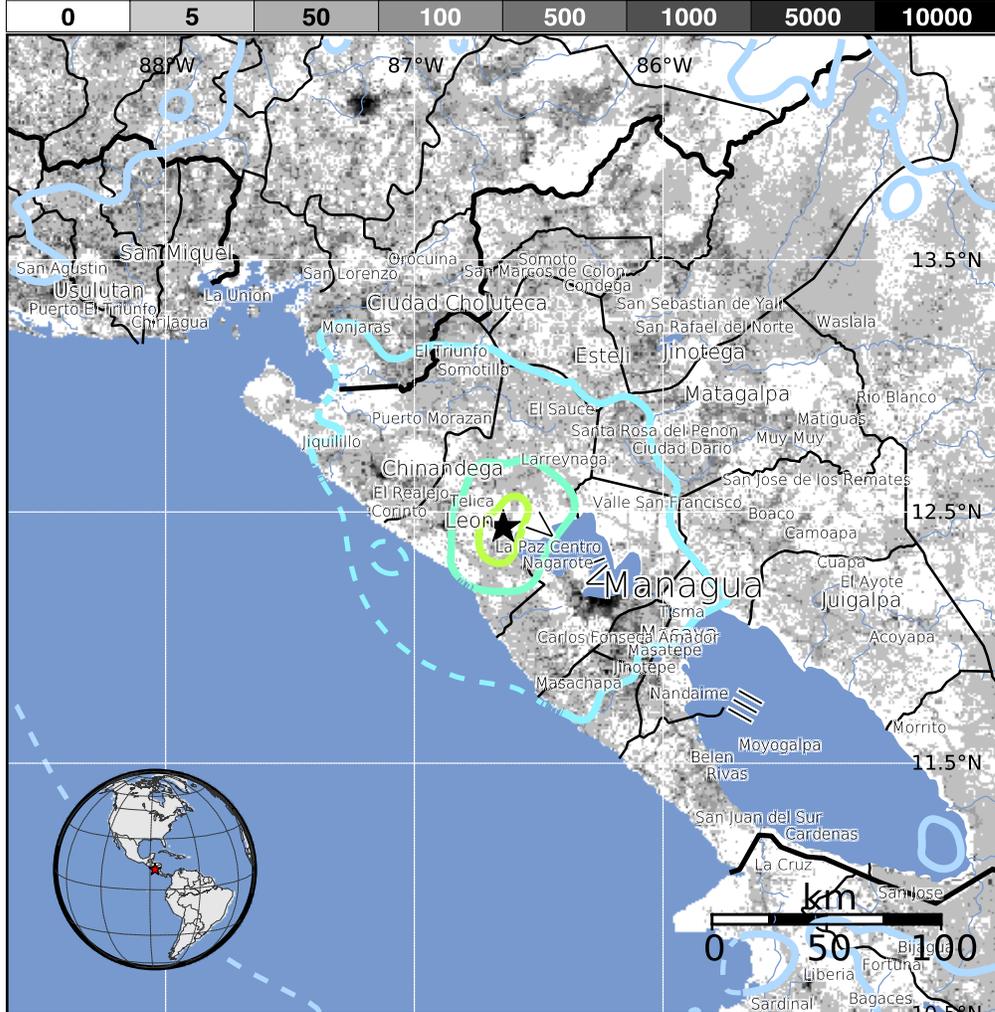


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	7,088k	3,099k	81k	34k	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
2006-02-20	128	5.5	VI(30k)	0
1996-03-03	54	6.7	VIII(46k)	0
2000-07-06	85	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
<b>VI</b> La Paz Centro	23k
<b>VI</b> La Paz Centro	< 1k
<b>V</b> Nagarote	26k
<b>V</b> Larreynaga	8k
<b>IV</b> Telica	9k
<b>IV</b> Leon	145k
<b>IV</b> Managua	973k
<b>IV</b> Chinandega	126k
<b>IV</b> Masaya	130k
<b>III</b> Matagalpa	109k
<b>III</b> 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/us10006ppy>

Event ID: us10006ppy