

M 6.1, NICARAGUA

Origin Time: Fri 2016-06-10 03:25:22 UTC (21:25:22 local)

Location: 12.83°N 86.96°W Depth: 10 km

PAGER Version 6

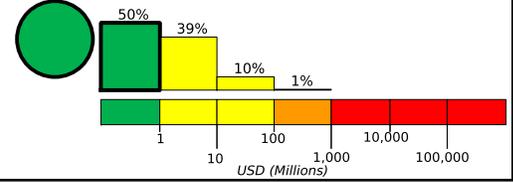
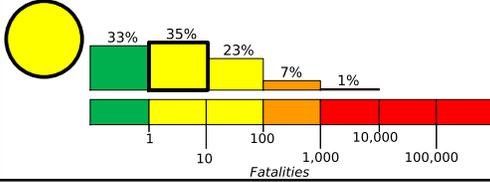
Created: 7 weeks, 5 days after earthquake

Estimated Fatalities

Yellow alert level for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert level for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

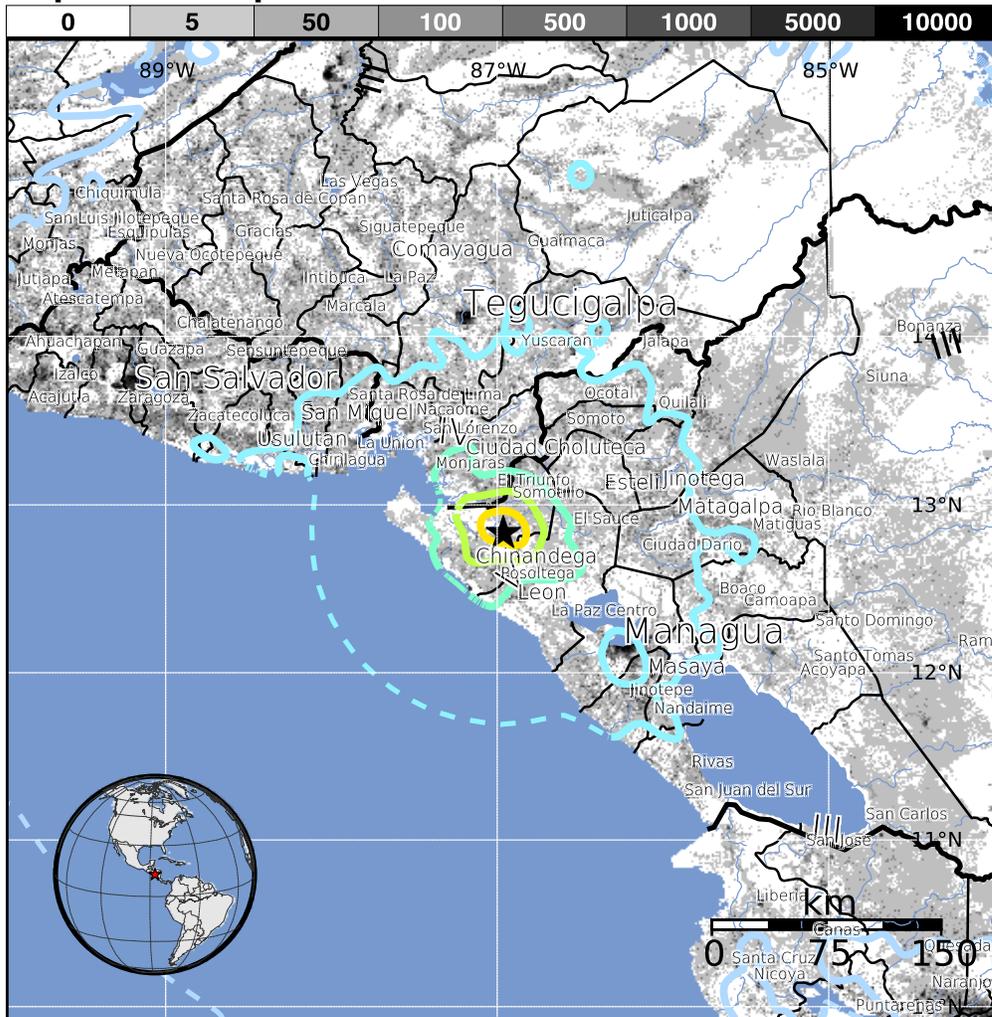


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	19,903k*	4,257k	642k	100k	20k	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. The predominant vulnerable building types are mud wall and rubble/field stone with cement construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2005-07-02	194	6.6	VII(10k)	0
1996-03-03	101	6.7	VIII(46k)	0
2000-07-06	144	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
VI	Puerto Morazan	8k
VI	Somotillo	15k
V	El Viejo	54k
V	Chinandega	126k
V	Posoltega	6k
V	Chichigalpa	33k
III	Tegucigalpa	851k
III	Managua	973k
III	San Salvador	526k
III	San Pedro Sula	489k
II	San Jose	335k

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/us200063cy>

Event ID: us200063cy