

M 6.5, NEAR THE COAST OF NICARAGUA

Origin Time: Sat 2013-06-15 17:34:29 UTC (11:34:29 local)

Location: 11.77°N 86.94°W Depth: 44 km

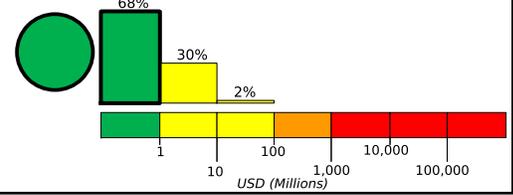
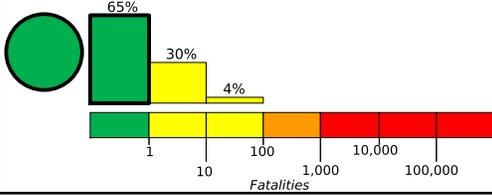
PAGER
Version 2

Created: 1 week, 0 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



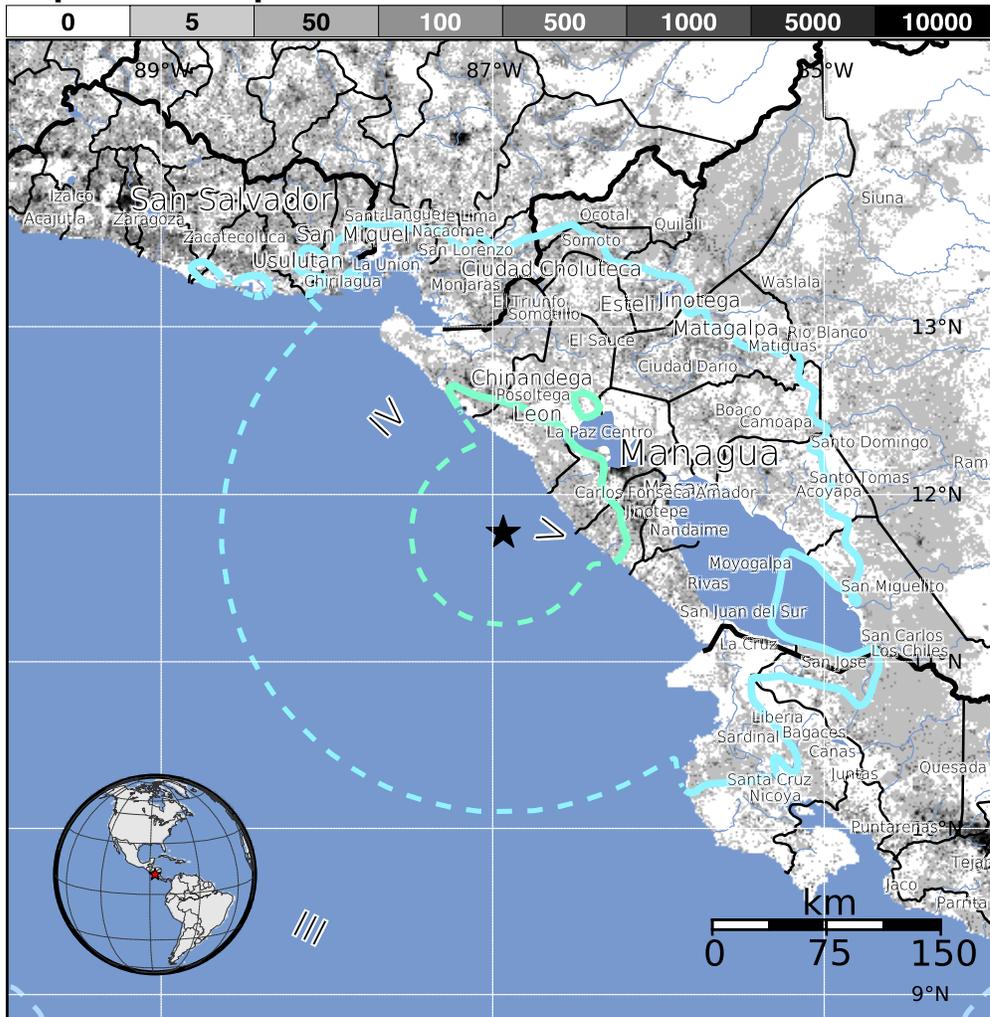
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	14,256k*	5,194k	820k	2k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat



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
1998-10-18	77	4.4	VI(3k)	0
1996-03-03	32	6.7	VIII(46k)	0
2000-07-06	96	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	Masachapa	5k
V	San Rafael del Sur	30k
V	El Rosario	3k
V	El Realejo	6k
V	Nagarote	26k
V	Leon	145k
IV	Managua	973k
III	Tegucigalpa	851k
III	San Jose	335k
III	San Salvador	526k

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/pager>

Event ID: us2013rlau