

M 7.3, NEAR THE COAST OF NICARAGUA

Origin Time: Tue 2014-10-14 03:51:35 UTC (21:51:35 local)

Location: 12.58°N 88.05°W Depth: 40 km

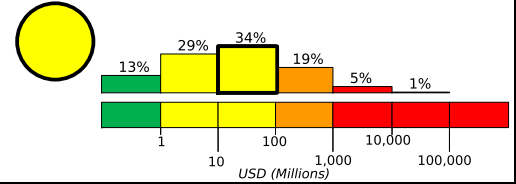
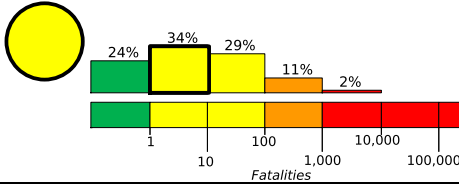
Created: 50 minutes, 34 seconds after earthquake

Estimated Fatalities

Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated Economic Losses

Estimated economic losses are less than 1% of GDP of Nicaragua.

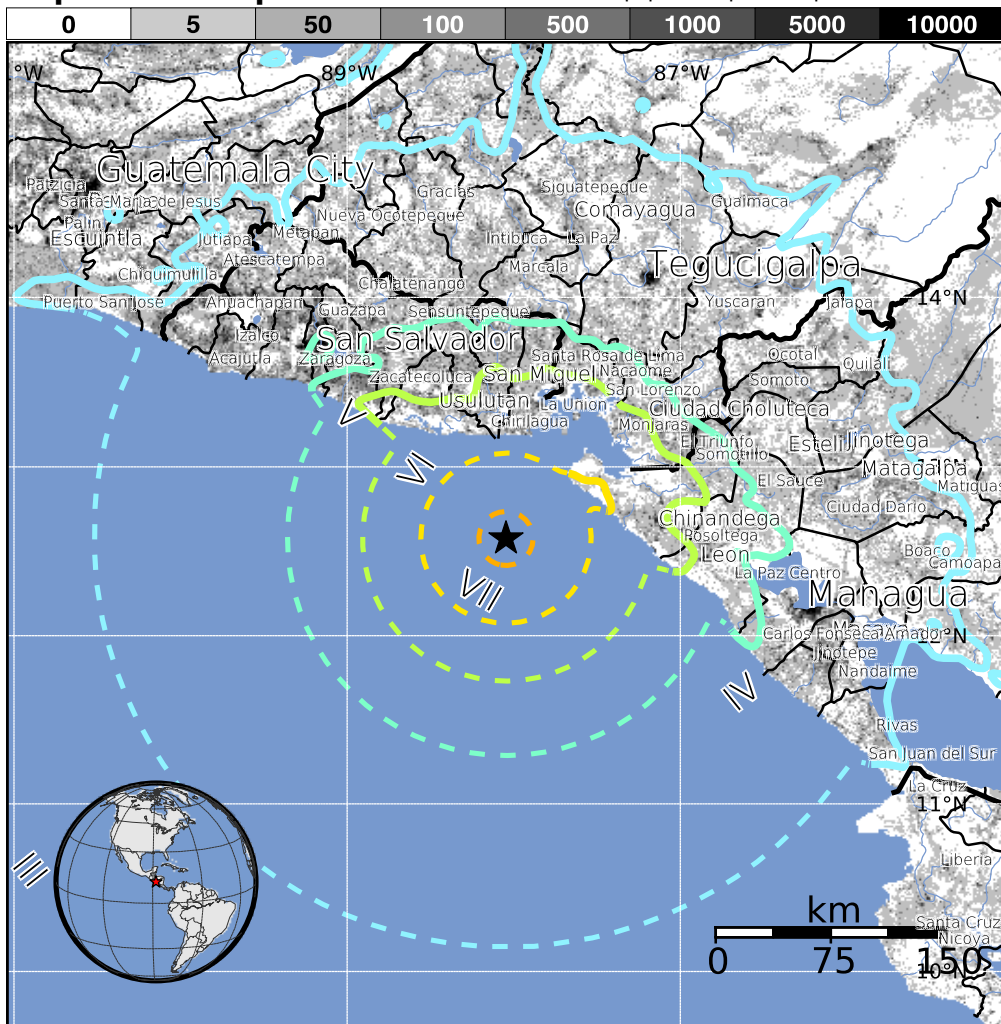


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | --* | 9,030k* | 12,829k | 3,328k | 1,364k | 47k | 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 |
| | Vulnerable Structures | none | none | none | Light | Moderate | Moderate/Heavy | 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 unreinforced brick masonry and heavy wood frame construction.

Historical Earthquakes (with MMI levels):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1987-11-17 | 119 | 6.4 | VII(249k) | 0 |
| 1996-03-03 | 163 | 6.7 | VIII(46k) | 0 |
| 2000-07-06 | 231 | 5.4 | VII(173k) | 7 |

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

Selected City Exposure

from GeoNames.org

| MMI City | Population |
|--------------------|------------|
| VII Jiquilillo | 4k |
| VI Chirilagua | 6k |
| VI Intipuca | 4k |
| VI Puerto Morazan | 8k |
| VI Monjaras | 7k |
| VI El Realejo | 6k |
| IV San Salvador | 526k |
| IV Managua | 973k |
| IV Tegucigalpa | 851k |
| III San Pedro Sula | 489k |
| III Guatemala City | 995k |

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: usb000slwn