

M 4.8, 6.7 km (4.1 mi) W of Isla Vista, CA

Origin Time: Wed 2013-05-29 14:38:03 UTC (06:38:03 local)

Location: 34.41°N 119.93°W Depth: 8 km

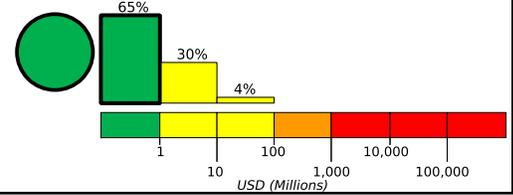
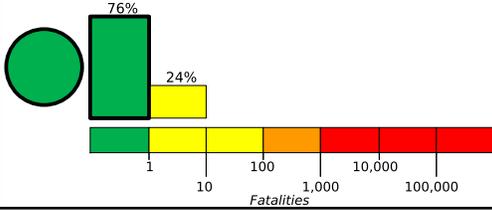
PAGER
Version 1

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

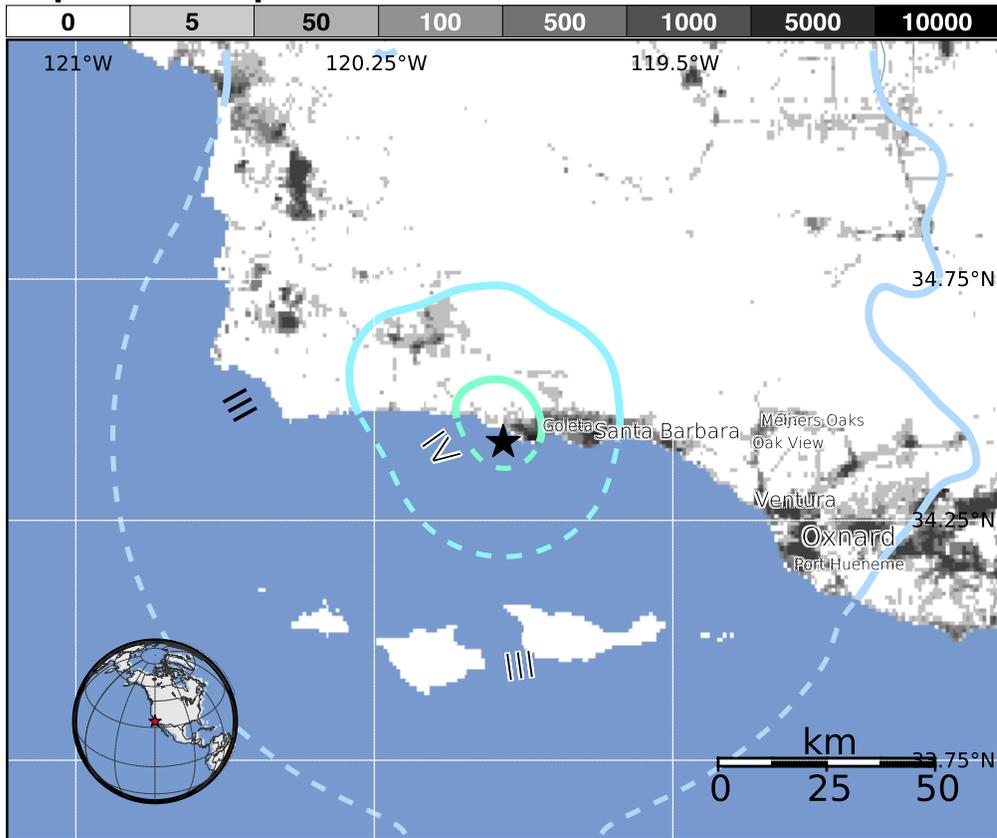


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | - -* | 1,219k* | 170k | 64k | 2k | 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 |
| | 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 highly resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1978-10-04 | 349 | 5.4 | VI(598) | 0 |
| 2003-12-22 | 170 | 6.6 | VII(213) | 2 |
| 1989-10-18 | 343 | 6.9 | IX(3k) | 62 |

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

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|----------------|------------|
| V | Isla Vista | 23k |
| V | Goleta | 30k |
| IV | Santa Ynez | 4k |
| IV | Buellton | 5k |
| IV | Solvang | 5k |
| IV | Mission Canyon | 2k |
| III | Santa Maria | 100k |
| III | Oxnard | 198k |
| III | Oxnard Shores | 187k |
| II | Simi Valley | 124k |
| II | Thousand Oaks | 127k |

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: ci15350729