

M 4.0, 1.9 km (1.2 mi) ENE of Canyondam, CA

Origin Time: Fri 2013-05-24 15:26:20 UTC (08:26:20 local)

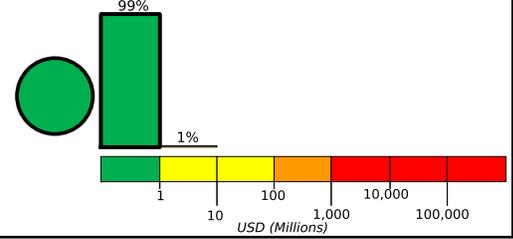
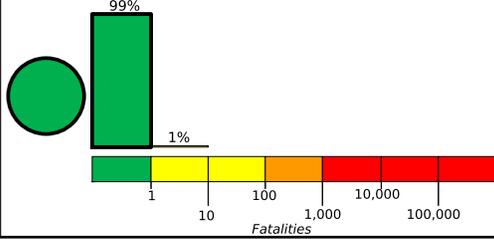
Location: 40.18°N 121.06°W Depth: 0 km

Created: 6 hours, 38 minutes 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

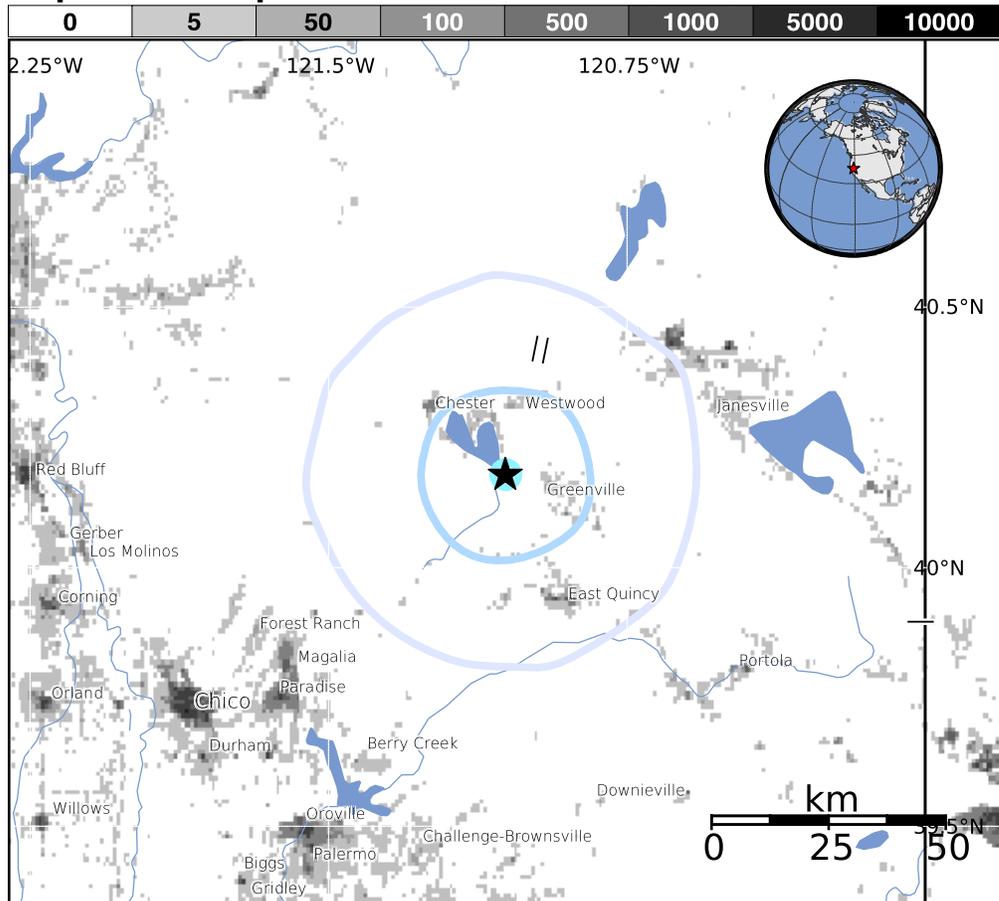


Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|--|------------------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | 448k | 27k | 0 | 0 | 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 highly resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1984-11-26 | 377 | 5.1 | V(17k) | 0 |
| 1989-08-08 | 347 | 5.4 | VII(4k) | 1 |
| 1989-10-18 | 347 | 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 |
|-----|-------------|------------|
| III | Greenville | 1k |
| III | Westwood | 2k |
| III | Chester | 2k |
| II | Quincy | 2k |
| II | East Quincy | 2k |
| II | Susanville | 18k |
| I | Reno | 225k |
| I | Chico | 86k |
| I | Paradise | 26k |
| I | Oroville | 16k |
| I | Red Bluff | 14k |

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: nc71998566