

M 4.3, 23.3 km (14.5 mi) SE of town of Lake Isabella, CA

Origin Time: Wed 2013-07-24 16:46:02 UTC (09:46:02 local)

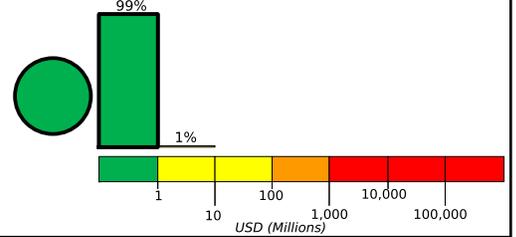
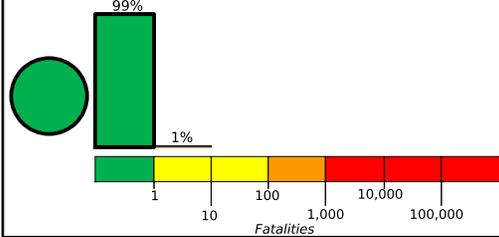
Location: 35.49°N 118.29°W Depth: 6 km

Created: 1 day, 1 hour 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

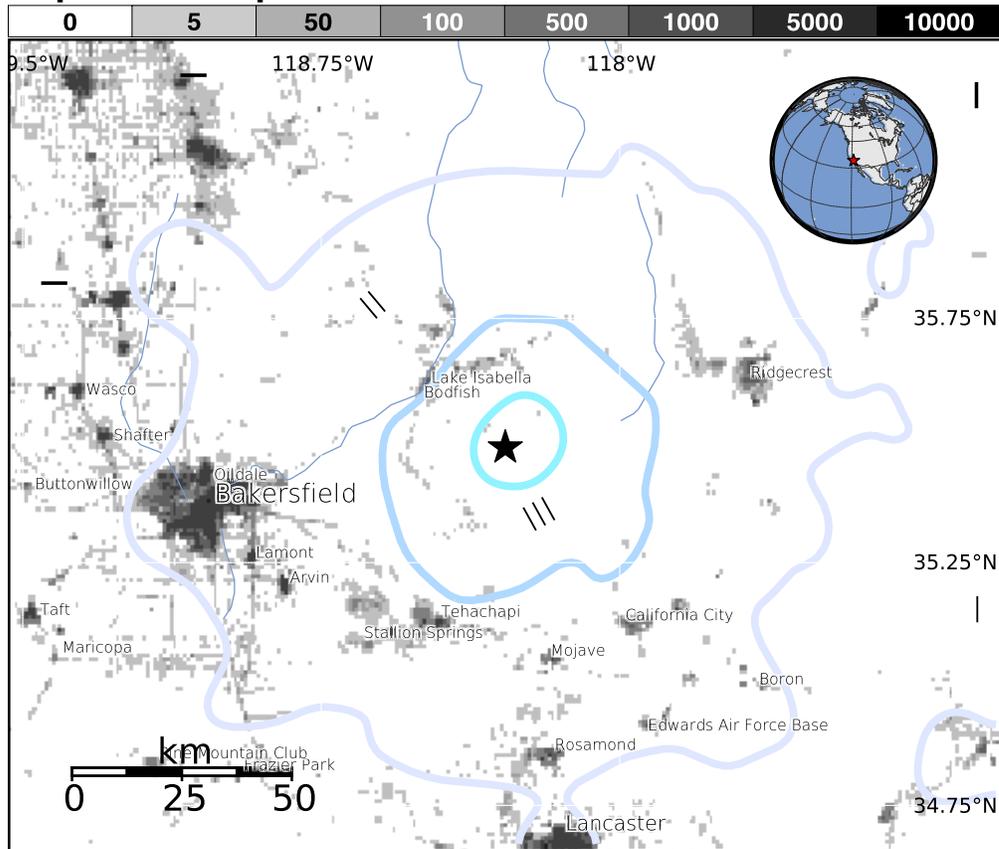


Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | 396k* | 831k | 0 | 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 | 205 | 5.1 | V(17k) | 0 |
| 2003-12-22 | 252 | 6.6 | VII(213) | 2 |
| 1989-10-18 | 360 | 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 | Weldon | 3k |
| III | Lake Isabella | 3k |
| III | Tehachapi | 14k |
| III | Wofford Heights | 2k |
| III | Kernville | 1k |
| II | Bodfish | 2k |
| II | Bakersfield | 347k |
| II | Lancaster | 157k |
| I | Tulare | 59k |
| I | Porterville | 54k |
| I | Delano | 53k |

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: ci11339042