

# M 4.2, 10.3 km (6.4 mi) N of Castaic Lake dam, CA

Origin Time: Sun 2015-01-04 03:18:09 UTC (19:18:09 local)

Location: 34.62°N 118.63°W Depth: 8 km

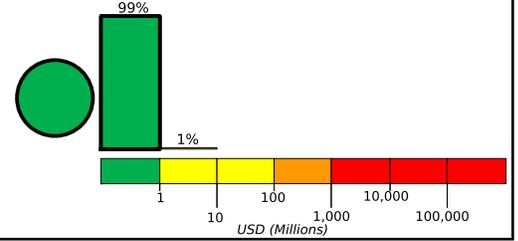
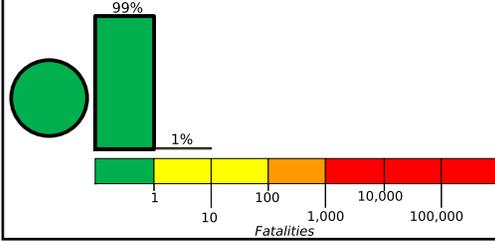
Created: 1 day, 0 hours after earthquake

## PAGER Version 8

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

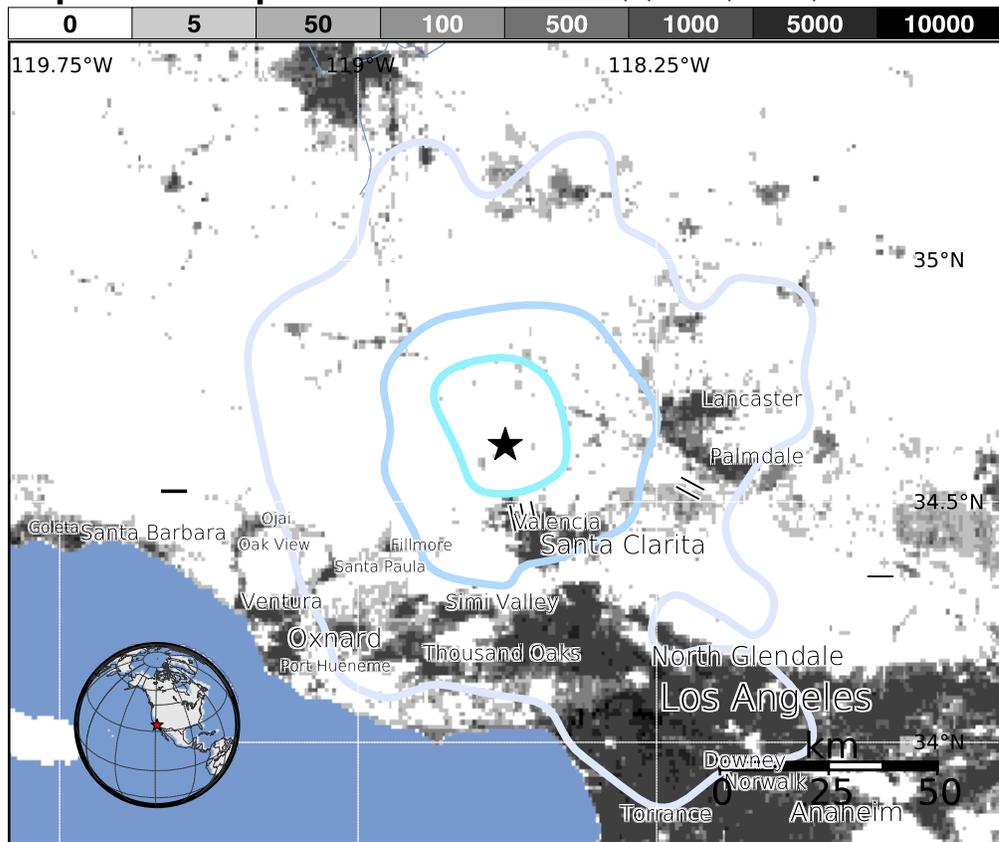


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	5,150k	9,094k	5k	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	297	5.1	V(17k)	0
2003-12-22	248	6.6	VII(213)	2
1989-10-18	396	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	Castaic	19k
III	Green Valley	1k
III	Agua Dulce	3k
III	Leona Valley	2k
III	Piru	2k
III	Val Verde	2k
II	Los Angeles	3,793k
II	North Glendale	203k
I	Bakersfield	347k
I	Anaheim	336k
I	Riverside	304k

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: ci37301704