

M 7.1, 17km NNE of Ridgecrest, CA

Origin Time: 2019-07-06 03:19:52 UTC (Fri 20:19:52 local)

Location: 35.7665° N 117.6048° W Depth: 17.0 km

Created: 12 hours, 43 minutes after earthquake

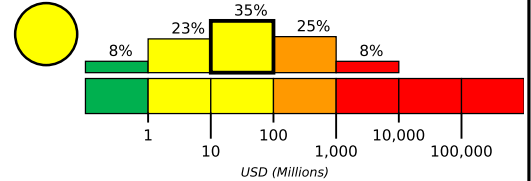
Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of the United States. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses

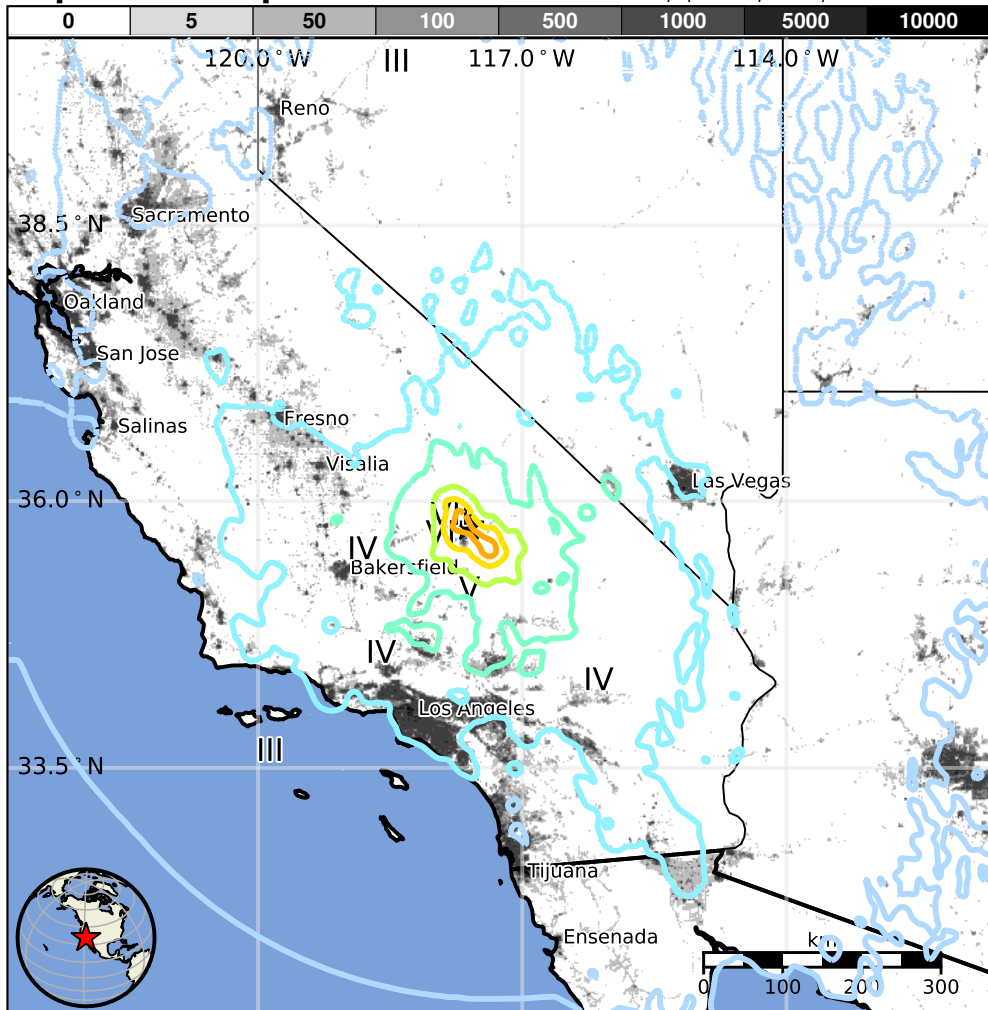


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	28,545k*	21,546k	602k	2k	45k	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	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1991-06-28	174	5.6	VI(1,267k)	1
1992-06-28	201	7.3	VIII(23k)	1
1971-02-09	167	6.6	IX(21k)	65

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Ridgecrest	28k
VII	China Lake Acres	2k
VII	Inyokern	1k
VI	Searles Valley	2k
V	Adelanto	32k
V	Weldon	3k
IV	Los Angeles	3,793k
III	Mexicali	597k
III	Carson City	55k
III	Sacramento	466k
II	Phoenix	1,446k

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/ci38457511#pager>

bold cities appear on map.

(k = x1000)

Event ID: ci38457511