

M 5.3, 10.6 km (6.6 mi) WNW of Big Pine, CA

Origin Time: Tue 2016-02-16 23:04:27 UTC (15:04:27 local)

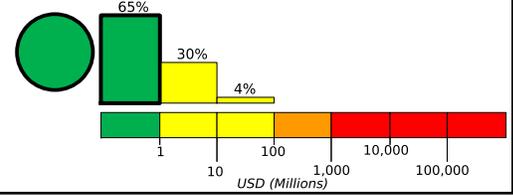
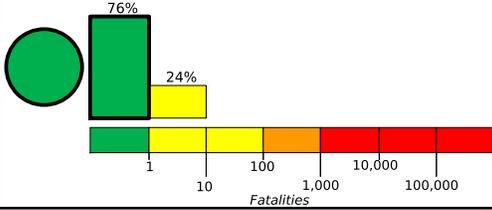
Location: 37.20°N 118.40°W Depth: 15 km

Created: 8 minutes, 19 seconds 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

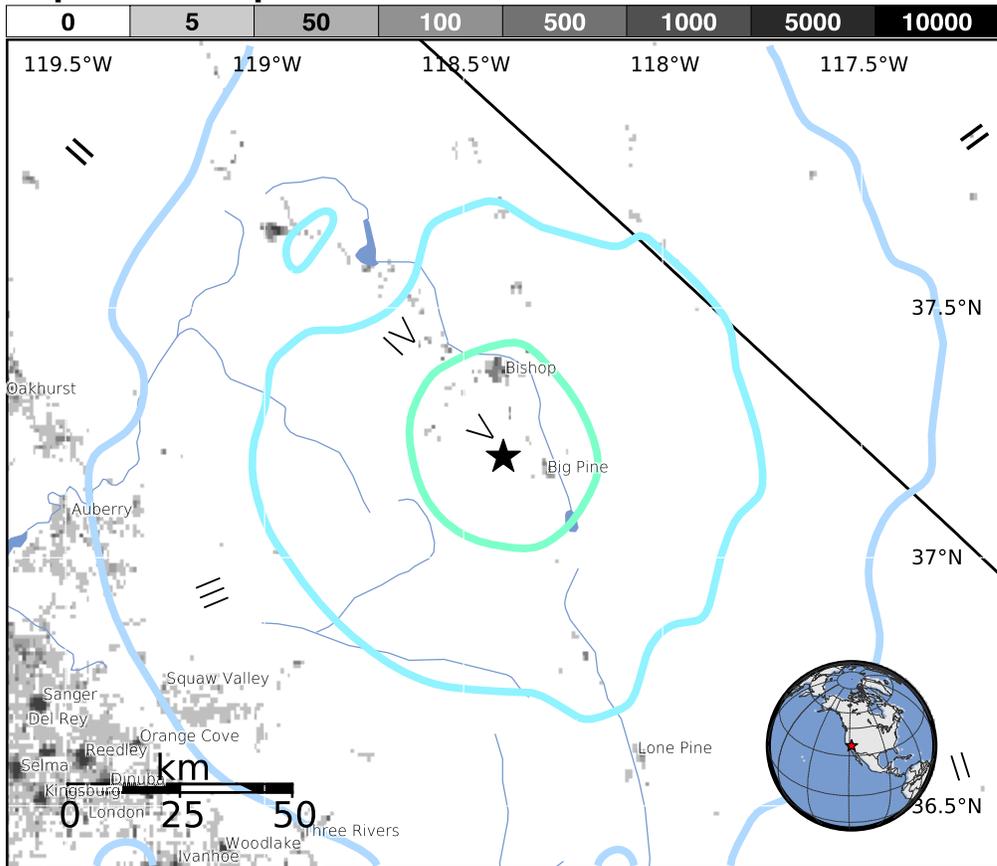


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	247k	10k	14k	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
	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
1984-11-26	33	5.1	V(17k)	0
2003-12-22	296	6.6	VII(213)	2
1989-10-18	299	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 Big Pine	2k
V Bishop	4k
V West Bishop	3k
III Mammoth Lakes	8k
III Lone Pine	2k
II Sanger	24k
II Reedley	24k
II Dinuba	21k
II Parlier	14k
II Selma	23k

bold cities appear on map

(k = x1000)