

M 4.1, 4 km E of Stovepipe Wells, CA

Origin Time: 2024-10-25 06:52:07 UTC (Thu 23:52:07 local)
Location: 36.5785° N 117.0821° W Depth: 5.0 km

Created: 3 weeks, 5 days after earthquake

Estimated Fatalities

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

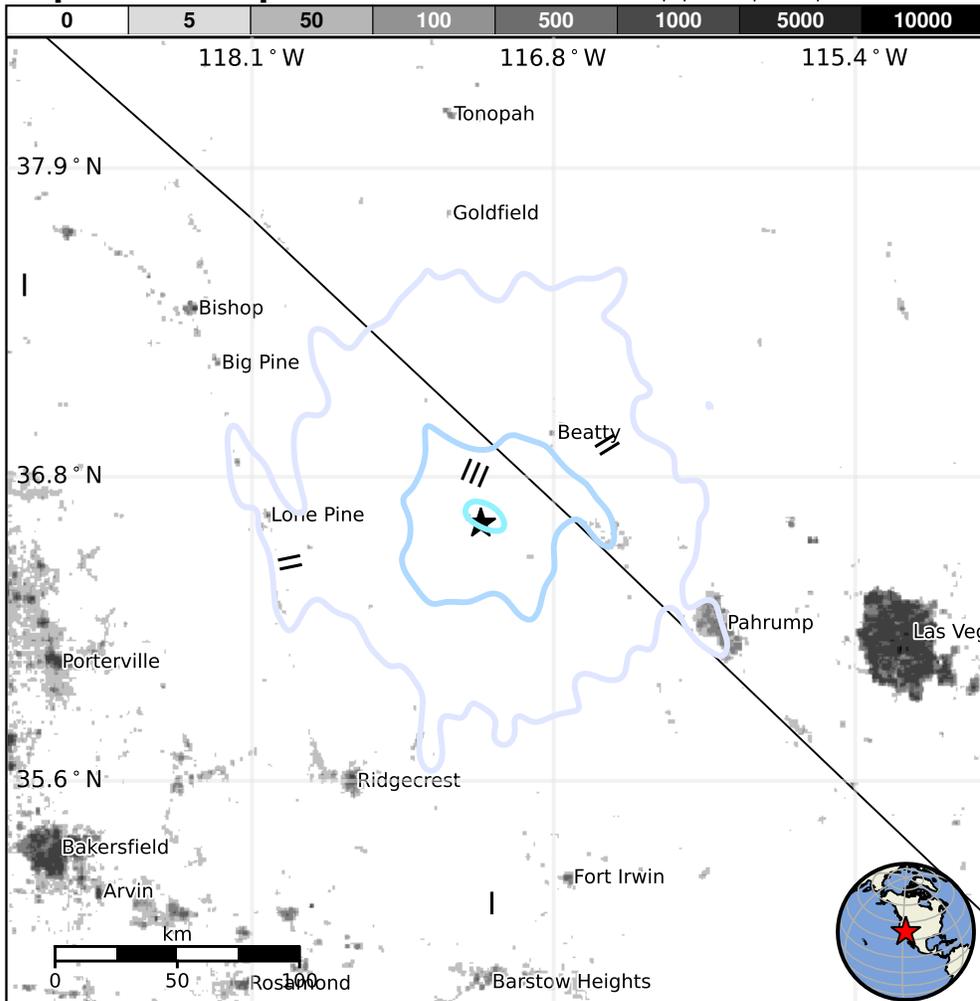
Estimated Economic Losses

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	3,432k	42k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 resistant to earthquake shaking, though 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	273	5.6	VI(1,267k)	1
2003-12-22	373	6.6	VI(8k)	2
1971-02-09	269	6.6	IX(21k)	65

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

Selected City Exposure

MMI	City	Population
II	Beatty	1k
II	Lone Pine	2k
I	Pahrump	36k
I	Big Pine	2k
I	Searles Valley	2k
I	Ridgecrest	28k
I	Las Vegas	584k
I	Bakersfield	347k
I	Henderson	258k
I	Paradise	223k
I	North Las Vegas	217k