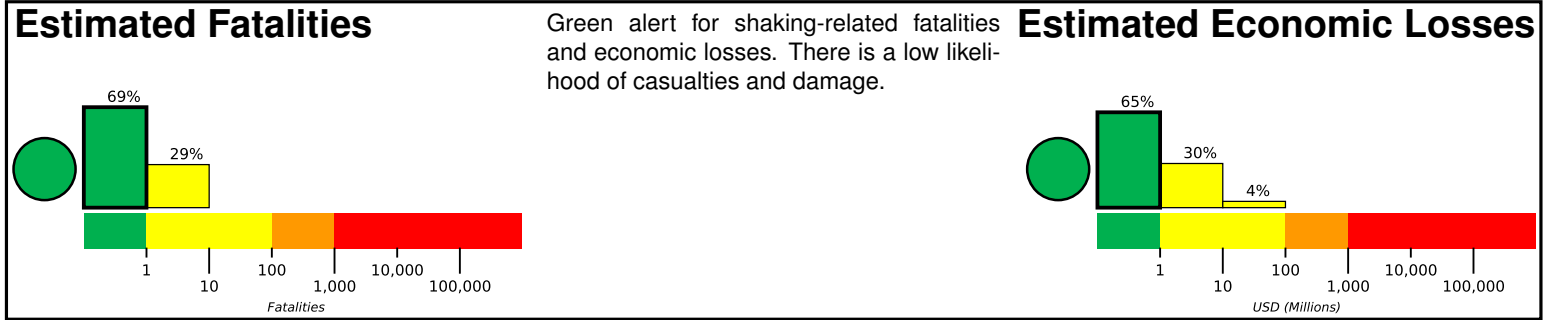


**M 4.5, 11km N of Cabazon, CA**  
Origin Time: 2018-05-08 11:49:34 UTC (Tue 04:49:34 local)  
Location: 34.0160° N 116.7798° W Depth: 12.9 km

Created: 1 day, 0 hours after earthquake

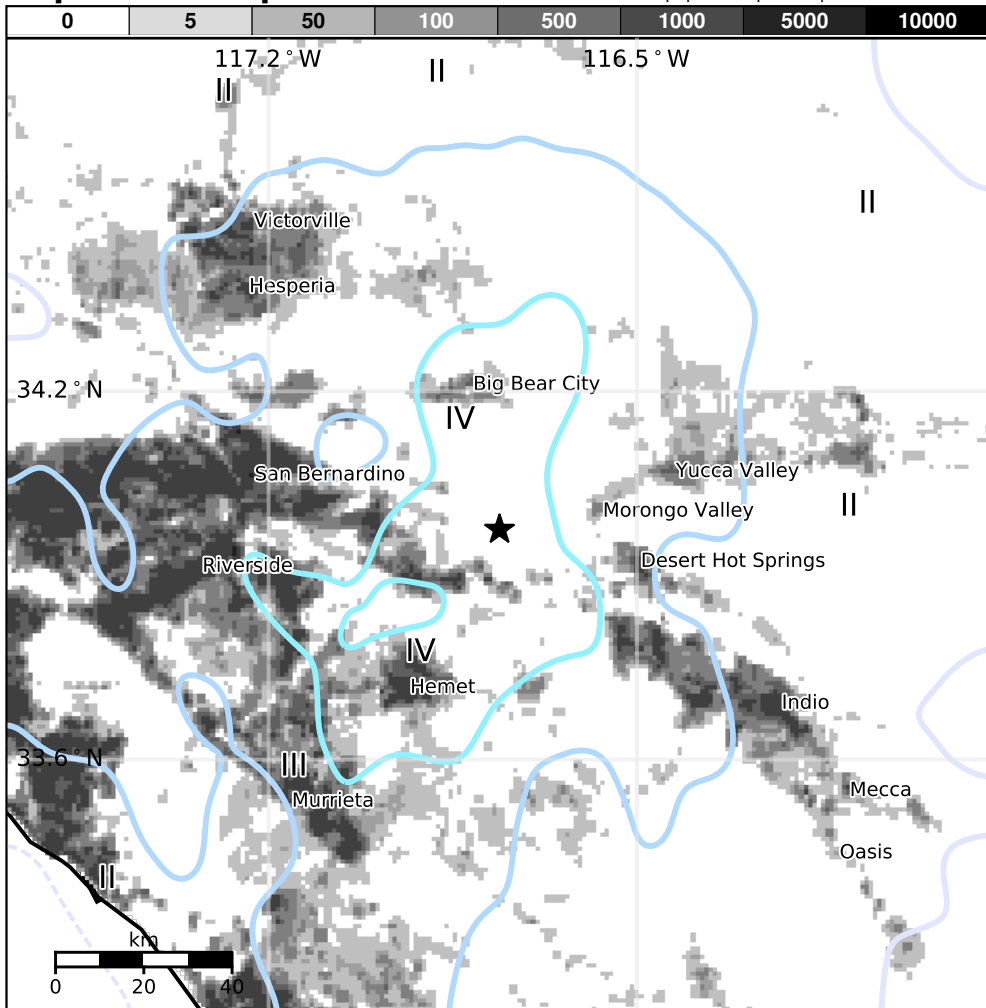


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	8,167k*	879k	102k	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 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	115	5.6	VI(1,267k)	1
1992-06-28	29	7.3	VIII(23k)	1
1971-02-09	154	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

from GeoNames.org

MMI	City	Population
V	San Jacinto	44k
V	<b>Hemet</b>	<b>79k</b>
IV	East Hemet	17k
IV	Cherry Valley	6k
IV	Big Bear Lake	5k
IV	<b>Big Bear City</b>	<b>12k</b>
IV	<b>Riverside</b>	<b>304k</b>
IV	Santa Ana	325k
III	<b>San Bernardino</b>	<b>210k</b>
III	Irvine	212k
III	Anaheim	336k

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/ci38167848#pager>

Event ID: ci38167848