

# M 4.4, OKLAHOMA

Origin Time: Sat 2016-07-09 02:04:27 UTC (21:04:27 local)

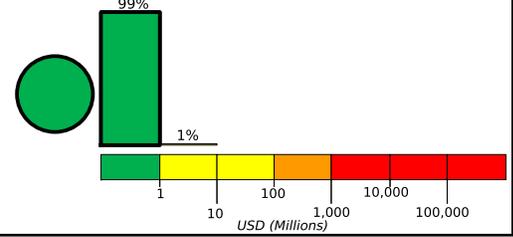
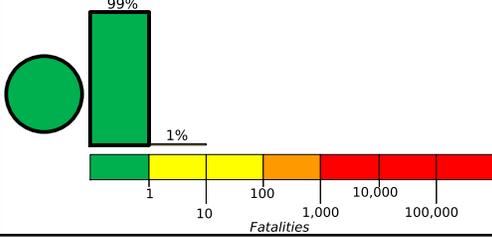
Location: 36.46°N 98.76°W Depth: 7 km

Created: 8 weeks, 0 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



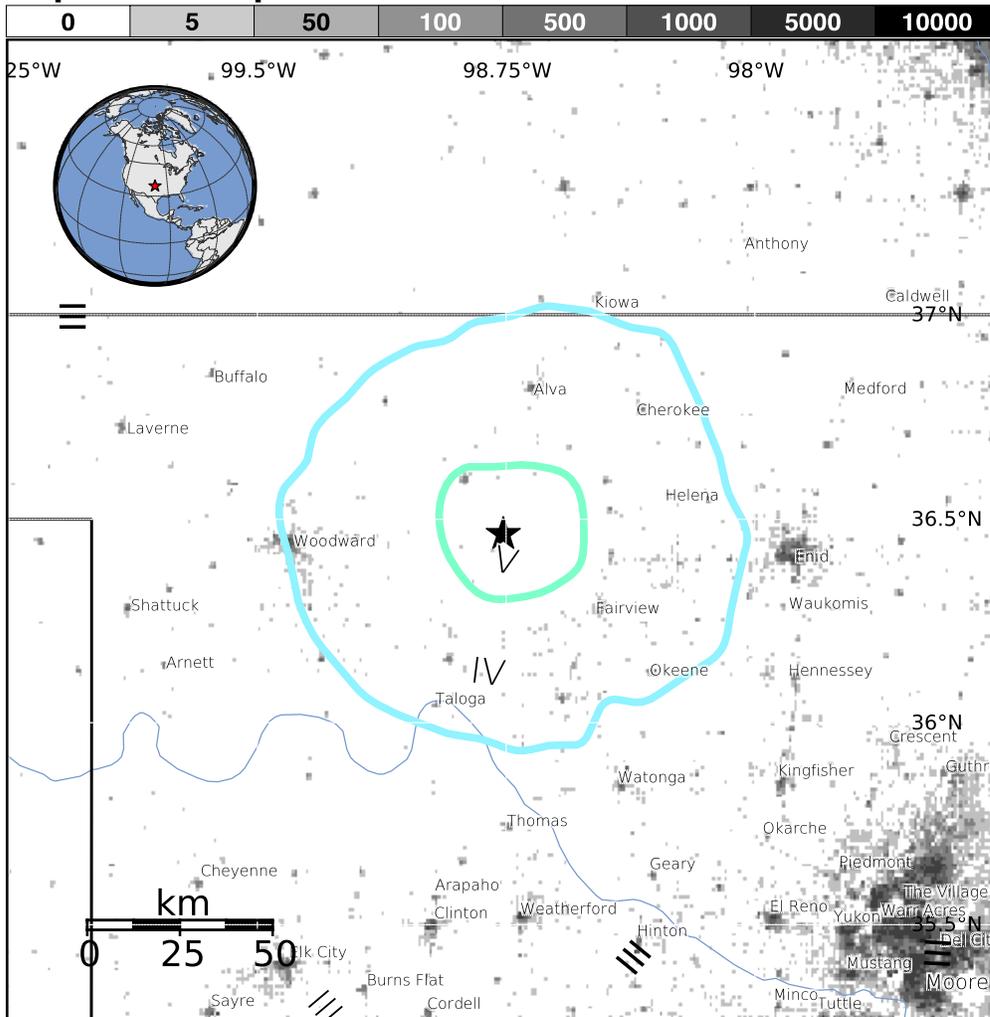
## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	1,420k*	35k	1k	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

population per ~1 sq. km from Landsat



### Structures:

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.

### Historical Earthquakes (with MMI levels):

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	<b>Fairview</b>	3k
IV	Mooreland	1k
IV	<b>Cherokee</b>	1k
IV	Helena	1k
IV	Alva	5k
IV	Taloga	< 1k
III	Enid	49k
III	Edmond	81k
III	<b>Moore</b>	55k
III	Oklahoma City	580k
III	Midwest City	54k

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/earthquakes/eventpage/us10006249>

Event ID: us10006249