

# M 4.2, OKLAHOMA

Origin Time: Fri 2016-07-08 22:29:38 UTC (17:29:38 local)

Location: 36.47°N 98.75°W Depth: 6 km

## PAGER Version 2

Created: 2 weeks, 1 day after earthquake

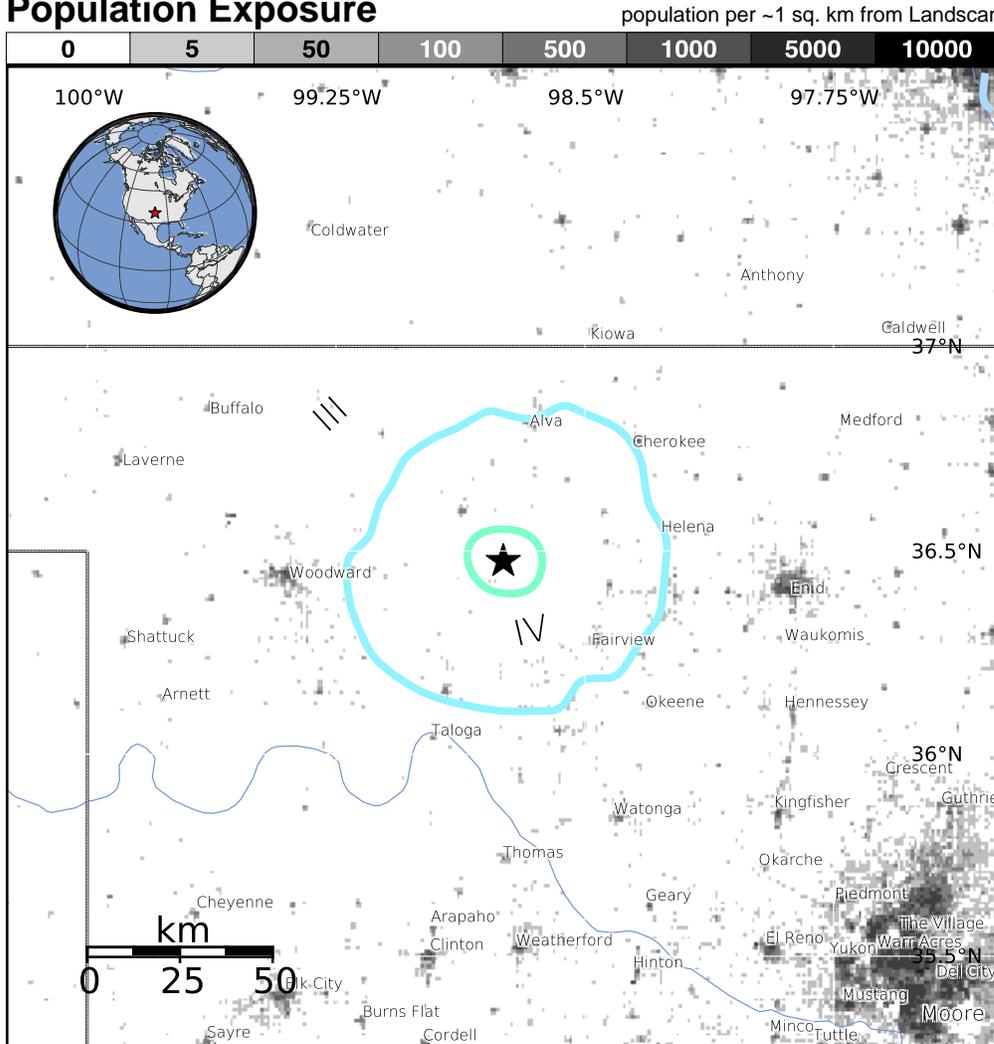


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	1,503k	14k	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	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



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

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/us1000621p>

Event ID: us1000621p