

**M 5.1, OKLAHOMA**

Origin Time: Sat 2016-02-13 17:07:06 UTC (12:07:06 local)

Location: 36.49°N 98.71°W Depth: 8 km

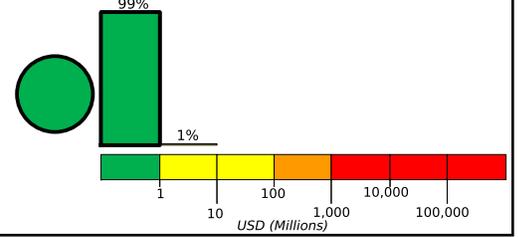
**PAGER**  
**Version 6**

Created: 6 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**

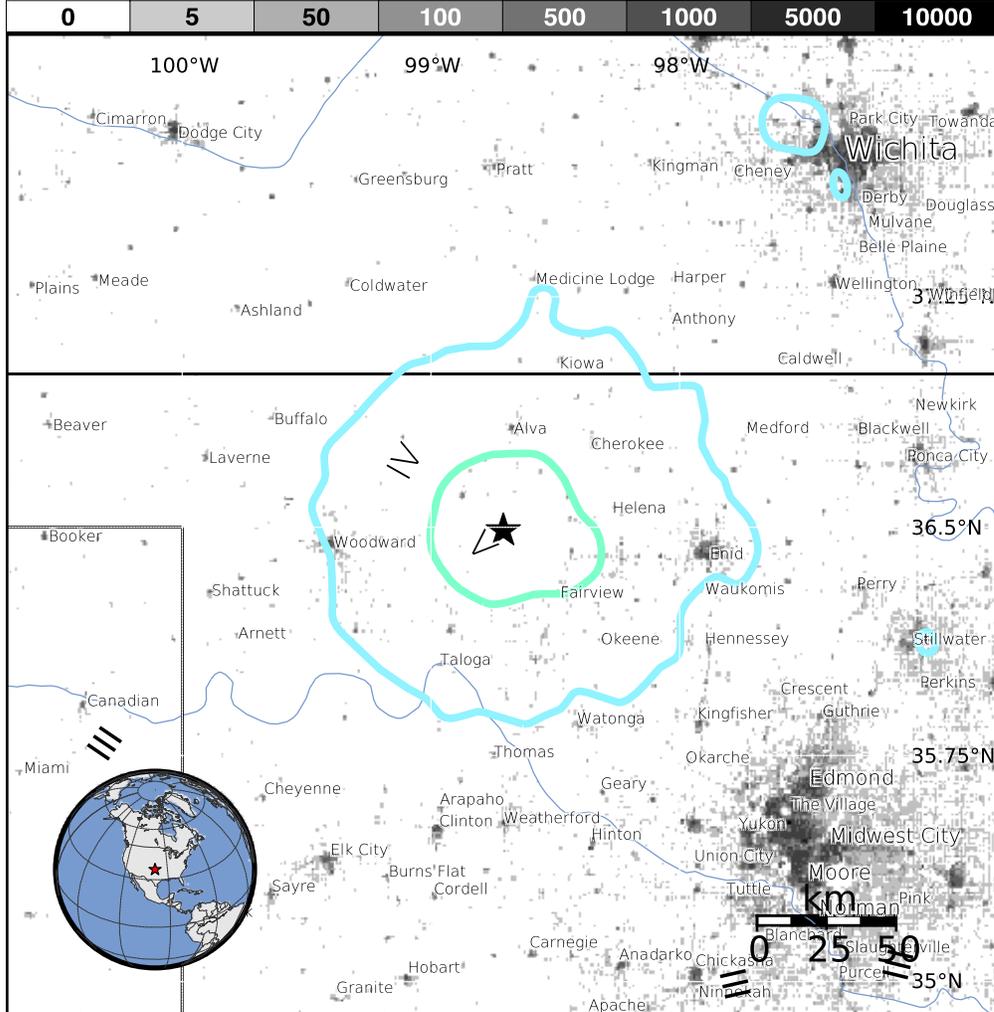


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2,355k*	287k	4k	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 Helena	1k
IV Cherokee	1k
IV Mooreland	1k
IV Alva	5k
IV Kiowa	1k
IV Wichita	382k
III Edmond	81k
III Norman	111k
III Moore	55k
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/us20004zy8>

Event ID: us20004zy8