

# M 4.2, COLORADO

Origin Time: Thu 2015-08-20 05:14:09 UTC (23:14:09 local)

Location: 37.11°N 104.93°W Depth: 5 km

Created: 2 hours, 2 minutes 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

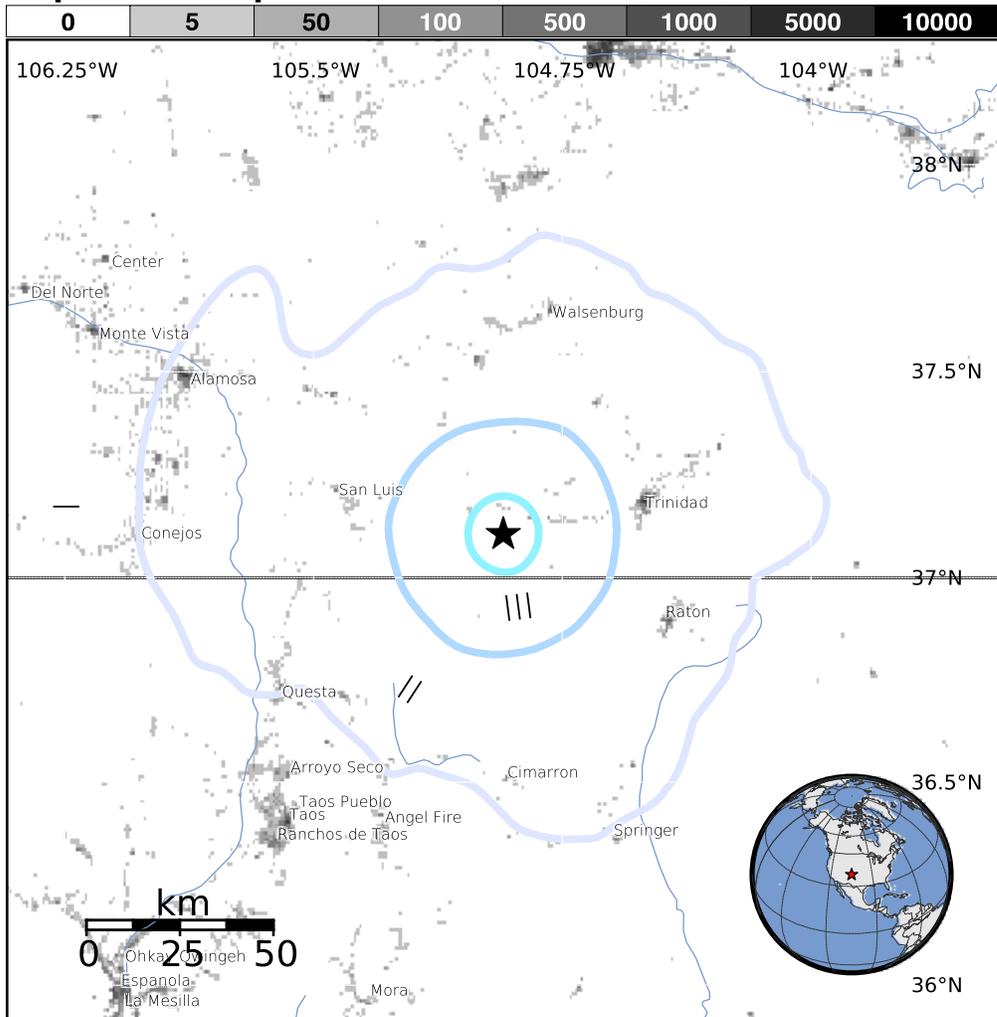


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		216k	59k	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	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):

A magnitude 5.0 earthquake 25 km southeast of this one struck the United States on August 10, 2005 (UTC), with estimated population exposures of 4,000 at intensity V and 19,000 at intensity IV, with no reported fatalities.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
II	Trinidad	9k
II	San Luis	< 1k
II	Cimarron	1k
II	Walsenburg	3k
II	Raton	7k
II	Alamosa East	1k
II	Alamosa	9k
I	Taos	6k
I	Pueblo	107k
I	Espanola	10k
I	La Junta	7k

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/pager>

Event ID: us100033ki