

M 4.3, WESTERN MONTANA

Origin Time: Sat 2014-11-15 06:58:48 UTC (23:58:48 local)

Location: 48.45°N 114.30°W Depth: 8 km

Created: 6 hours, 4 minutes after earthquake



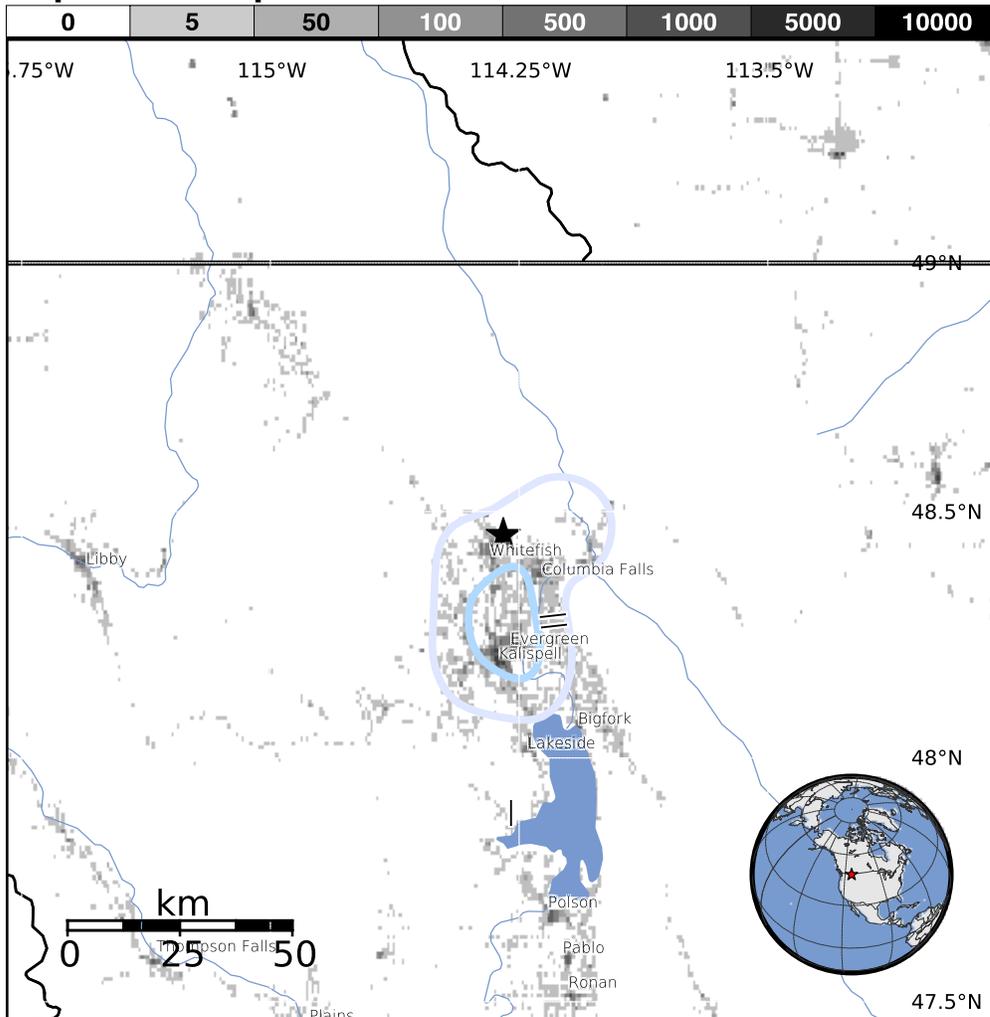
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		87k	83k	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

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):

A magnitude 5.6 earthquake 360 km south of this one struck Dillon, Montana on July 26, 2005 (UTC), with estimated population exposures of 7,000 at intensity VI and 27,000 at intensity V, with no reported fatalities.

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Evergreen	8k
III	Kalispell	20k
III	Whitefish	6k
II	Columbia Falls	5k
II	Somers	1k
I	Cardston	4k
I	Polson	4k
I	Bigfork	4k
I	Lakeside	3k
I	Libby	3k
I	North Browning	2k

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: usc000sxju