

M 4.8, YELLOWSTONE NATIONAL PARK, WYOMING

Origin Time: Sun 2014-03-30 12:34:39 UTC (06:34:39 local)

Location: 44.77°N 110.68°W Depth: 5 km

PAGER Version 4

Created: 4 days, 8 hours after earthquake

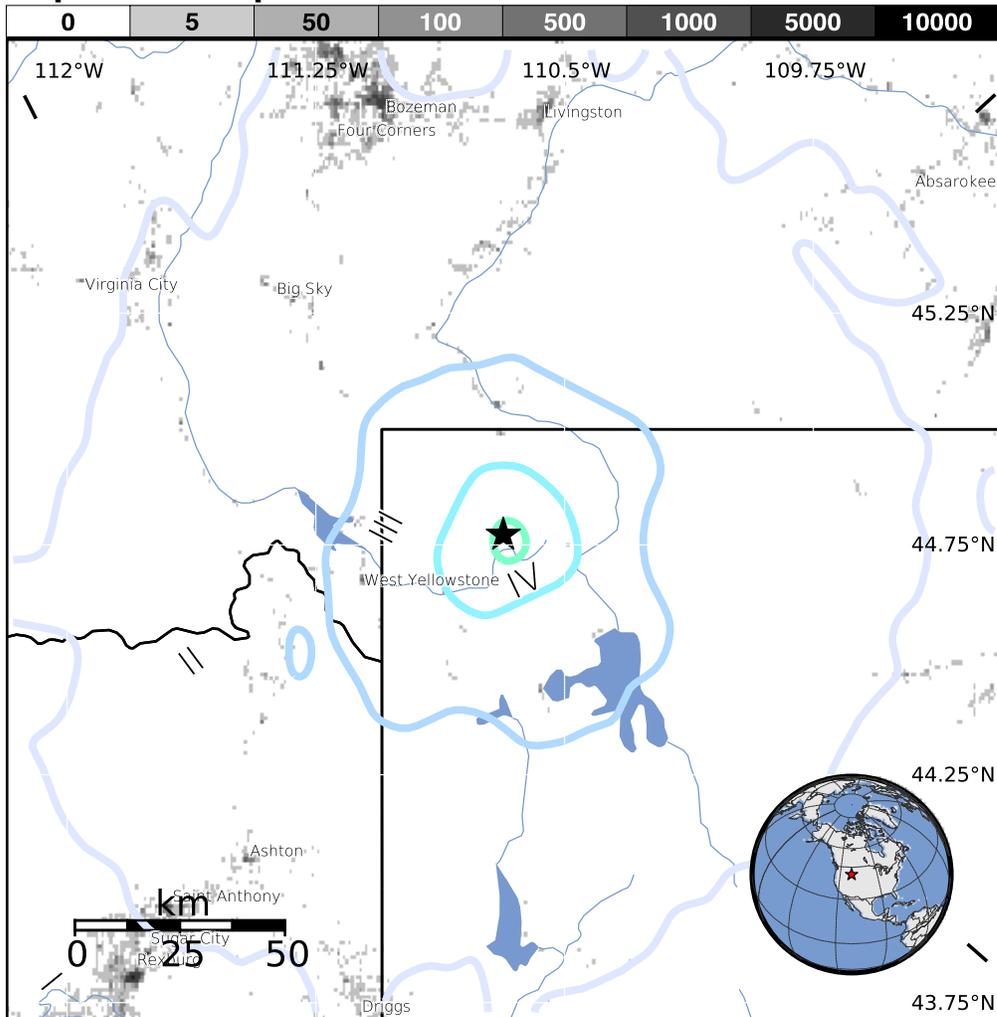


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		57k*	131k	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):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1975-06-30	12	6.1	VII(25)	0
1994-02-03	223	5.8	VIII(967)	0
1983-10-28	259	6.9	VIII(146)	2

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	West Yellowstone	1k
II	Ashton	1k
II	Big Sky	2k
II	Bozeman	37k
II	Saint Anthony	4k
II	Livingston	7k
II	Four Corners	3k
II	Belgrade	7k
I	Red Lodge	2k
I	Rexburg	25k
I	Columbus	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: uu60061837