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Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

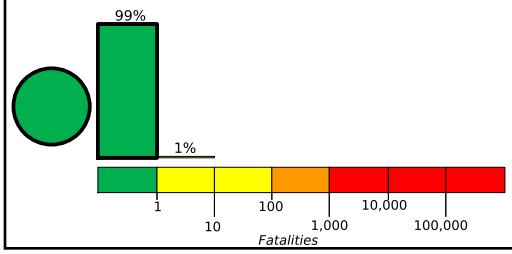
M 4.8, WYOMING

Origin Time: Sat 2016-08-27 20:47:47 UTC (14:47:47 local)
Location: 43.23°N 110.31°W Depth: 10 km

PAGER Version 2

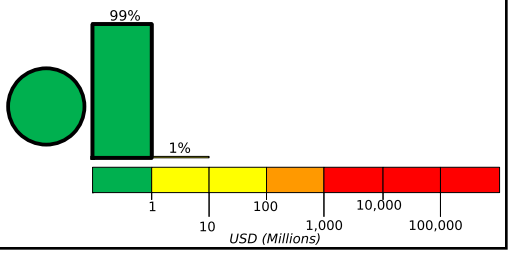
Created: 2 hours, 2 minutes after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



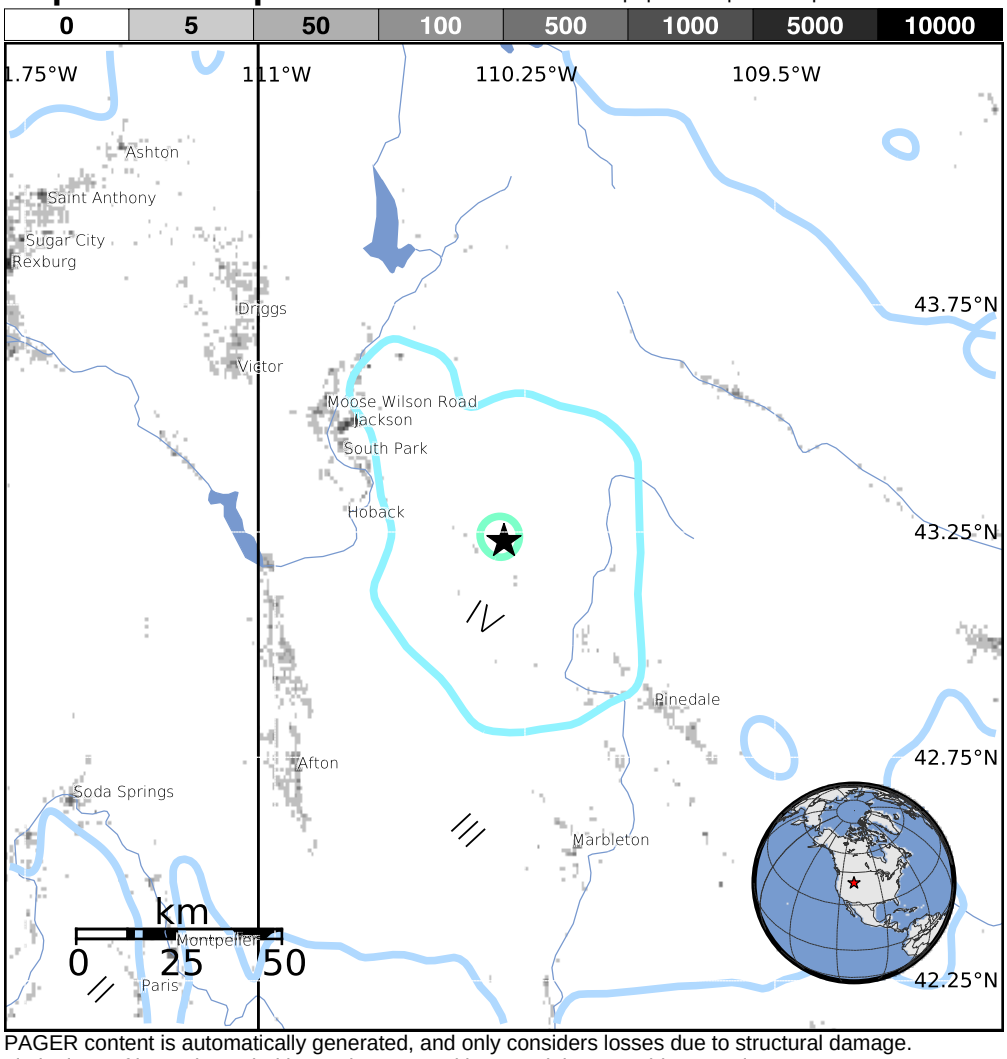
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	119k*	8k	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 Landscan



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	164	6.1	VII(25)	0
1994-02-03	73	5.8	VIII(967)	0
1983-10-28	296	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
IV	Rafter J Ranch	1k
IV	**South Park**	**2k**
IV	**Moose Wilson Road**	**2k**
III	**Pinedale**	**2k**
III	**Jackson**	**10k**
III	**Victor**	**2k**
III	**Afton**	**2k**
III	**Rexburg**	**25k**
III	**Saint Anthony**	**4k**
III	**Soda Springs**	**3k**
III	**Montpelier**	**3k**

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/us20006umx

Event ID: us20006umx