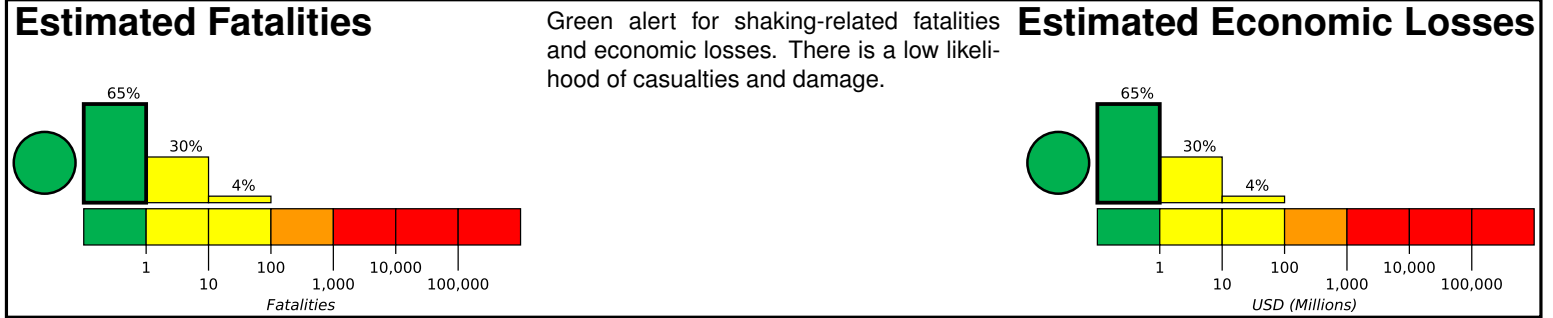


# M 5.3, 17km ESE of Soda Springs, Idaho

Origin Time: 2017-09-02 23:56:52 UTC (Sat 17:56:52 local)  
Location: 42.6373° N 111.4178° W Depth: 9.6 km

Created: 1 week, 4 days after earthquake

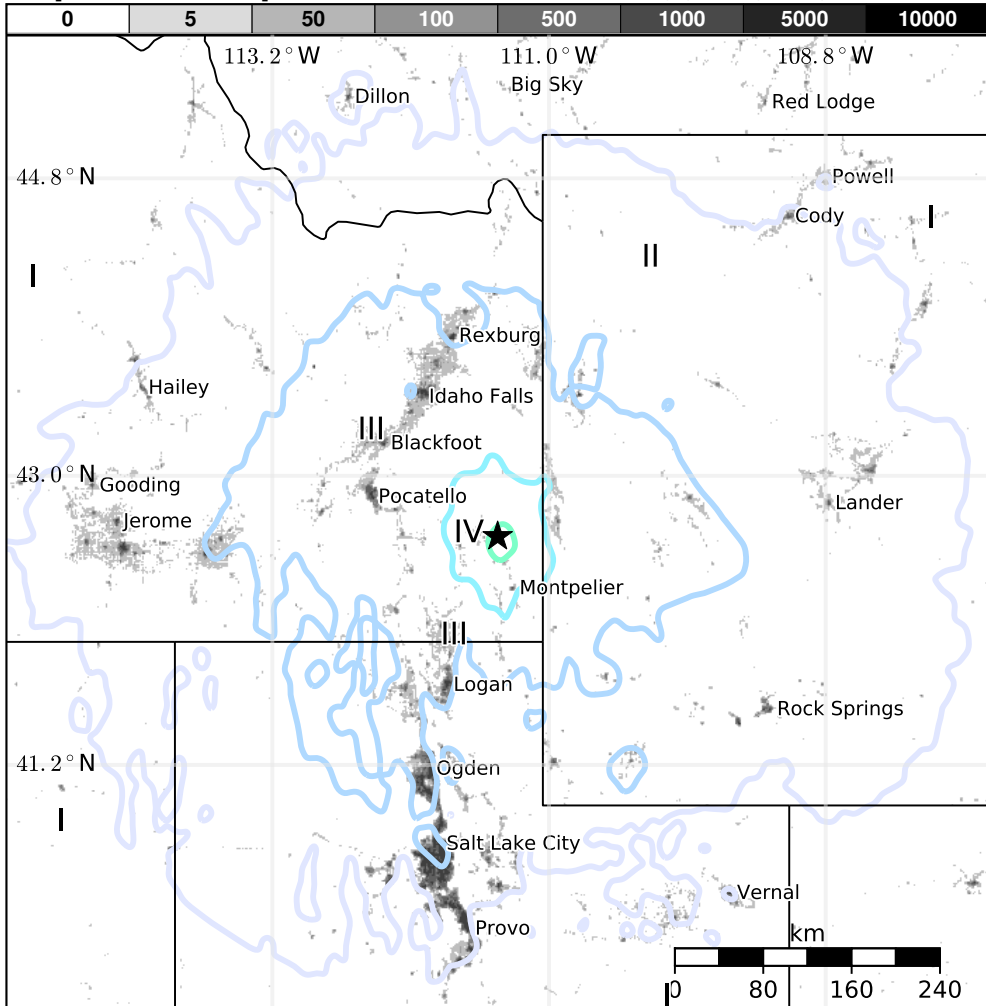


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		134k*	3,389k	15k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1984-08-22	289	5.5	V(3k)	-
1994-02-03	40	5.8	VIII(1k)	-
1983-10-28	250	6.9	VII(2k)	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	Soda Springs	3k
IV	Montpelier	3k
IV	Paris	1k
III	Preston	5k
III	Elwood	1k
III	Tremonton	8k
III	Salt Lake City	186k
II	Sandy Hills	90k
II	West Valley City	129k
II	West Jordan	104k
II	Provo	112k

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.

bold cities appear on map.

(k=x1000)