

# M 5.4, 30.8 miles S of Kantishna

Origin Time: Sun 2016-05-15 05:51:00 UTC (21:51:00 local)

Location: 63.08°N 150.95°W Depth: 131 km

Created: 1 week, 2 days 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

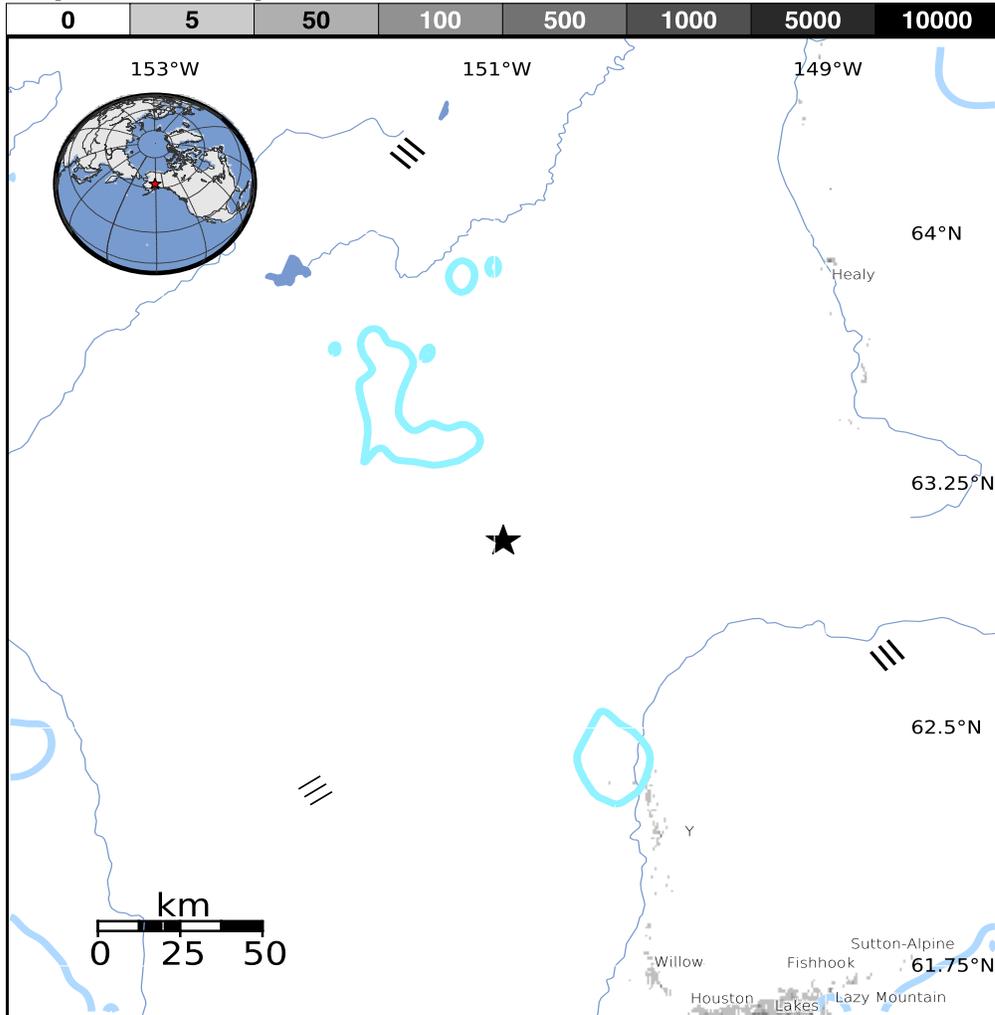


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	42k*	1k	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
2002-10-23	149	6.6	V(432)	0
1984-08-14	168	5.8	VI(5k)	0
2002-11-03	170	7.9	IX(88)	0

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

## Selected City Exposure

from GeoNames.org

MMI City	Population
III Meadow Lakes	8k
III Tanaina	8k
<b>III Houston</b>	<b>2k</b>
III Wasilla	8k
III Lakes	8k
III Y	1k
III Willow	2k
III Sutton-Alpine	1k
III Palmer	6k
III Fishhook	5k
<b>II Lazy Mountain</b>	<b>1k</b>

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/ak13582723>

Event ID: ak13582723