

# M 4.2, 30.0 miles SE of Talkeetna

Origin Time: Tue 2016-08-02 00:25:01 UTC (16:25:01 local)

Location: 62.04°N 149.39°W Depth: 37 km

Created: 1 week, 2 days after earthquake

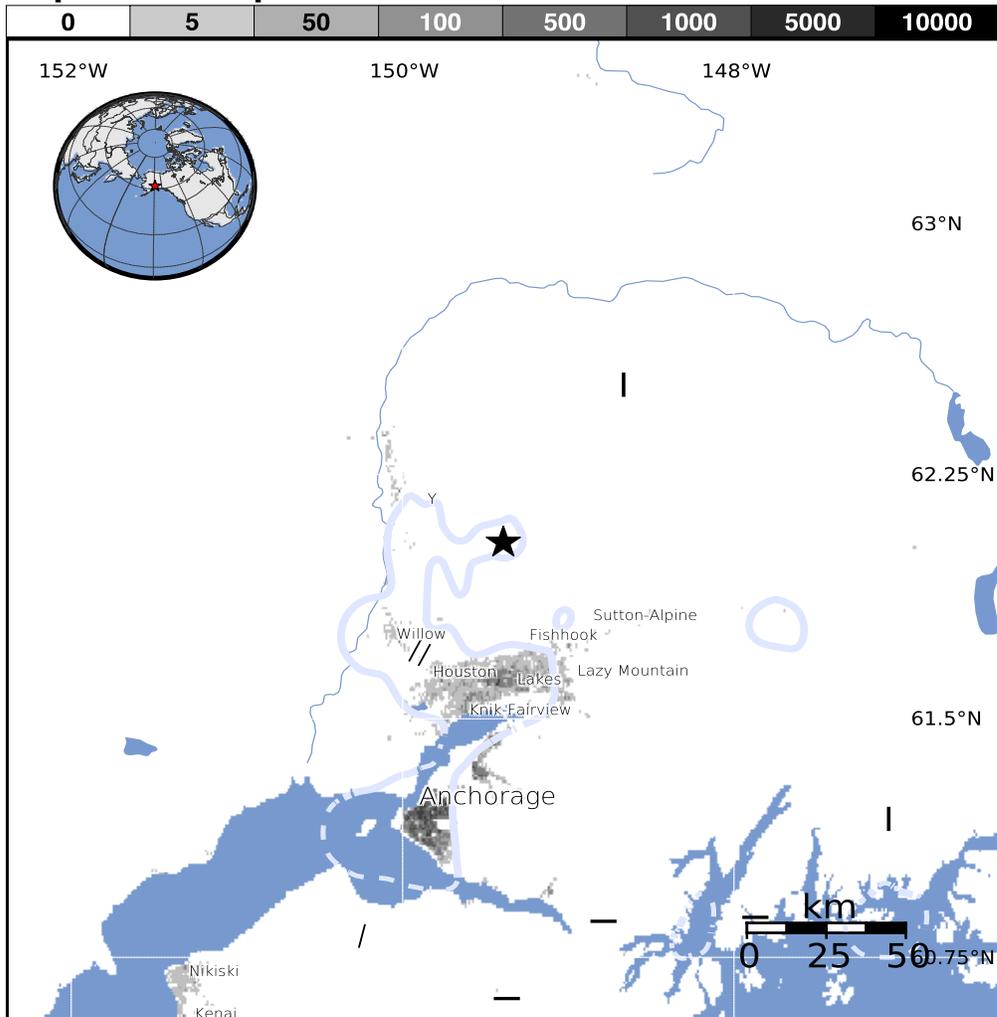


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		49k*	360k	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
2002-10-23	177	6.6	V(432)	0
1984-08-14	29	5.8	VI(5k)	0
2002-11-03	187	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
II	Meadow Lakes	8k
II	Tanaina	8k
II	Wasilla	8k
II	<b>Houston</b>	2k
II	Lakes	8k
II	Gateway	6k
II	<b>Anchorage</b>	292k
II	Knik-Fairview	15k
II	Palmer	6k
I	Fishhook	5k
I	<b>Kenai</b>	7k

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/ak13824636>

Event ID: ak13824636