

M 4.8, 22.9 miles SW of Talkeetna

Origin Time: Mon 2016-01-18 04:05:56 UTC (19:05:56 local)

Location: 62.10°N 150.64°W Depth: 10 km

Created: 3 days, 15 hours after earthquake



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	403k	3k	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	202	6.6	V(432)	0
1984-08-14	87	5.8	VI(5k)	0
2002-11-03	217	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 Y	1k
III Willow	2k
III Big Lake	3k
III Meadow Lakes	8k
III Tanaina	8k
III Houston	2k
III Wasilla	8k
III Anchorage	292k
III Knik-Fairview	15k
III Lakes	8k
II Palmer	6k

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/ak12465857>

Event ID: ak12465857