

M 4.0, 6.6 miles ESE of Eagle River

Origin Time: Mon 2016-03-28 04:18:58 UTC (20:18:58 local)

Location: 61.28°N 149.39°W Depth: 21 km

Created: 24 minutes, 3 seconds after earthquake

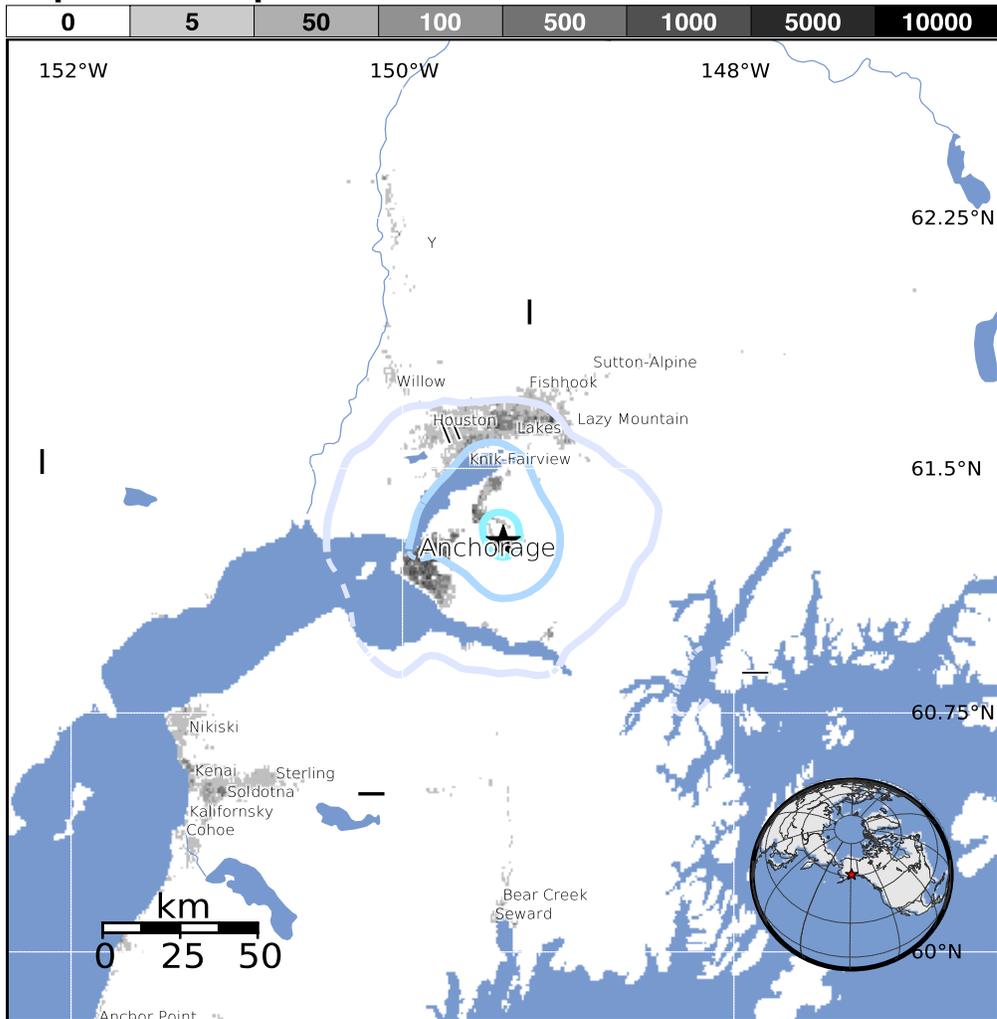


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		57k*	381k	11k	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	258	6.6	V(432)	0
1984-08-14	60	5.8	VI(5k)	0
2002-11-03	266	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	Knik-Fairview	15k
III	Wasilla	8k
III	Anchorage	292k
II	Meadow Lakes	8k
II	Tanaina	8k
II	Lakes	8k
II	Gateway	6k
II	Palmer	6k
I	Kalifornsky	8k
I	Kenai	7k
I	Sterling	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/ak13114583>

Event ID: ak13114583