

# M 7.1, 14km NNW of Anchorage, Alaska

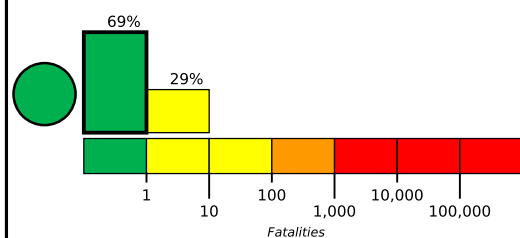
Origin Time: 2018-11-30 17:29:29 UTC (Fri 08:29:29 local)  
Location: 61.3460° N 149.9550° W Depth: 46.7 km

**FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](http://tsunami.gov)**

Created: 14 weeks, 0 days after earthquake

## PAGER Version 9

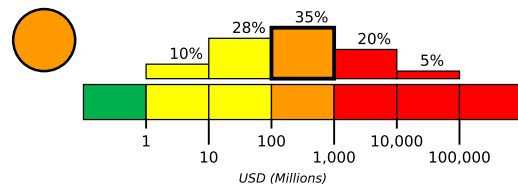
### Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are less than 1% of GDP of the United States. Past events with this alert level have required a regional or national level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

### Estimated Economic Losses

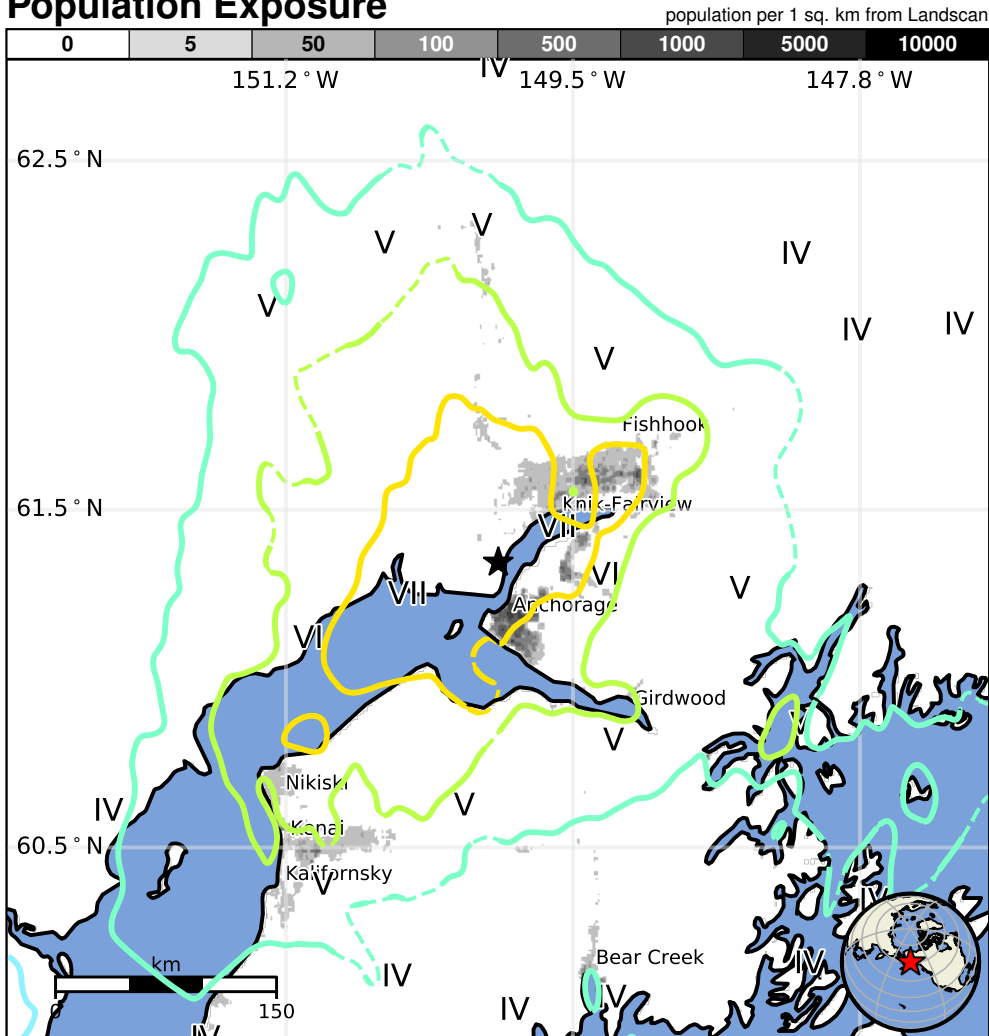


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	—*	10k*	47k	118k	272k	1k	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
2002-11-03	269	7.9	V(36k)	0
1964-03-28	130	9.2	VIII(24k)	—
1964-03-28	130	9.2	VIII(24k)	0

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

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Houston	2k
VII	Gateway	6k
VII	Lakes	8k
VII	Eagle River	25k
VII	Farm Loop	1k
VII	Big Lake	3k
VII	Tanaina	8k
VII	<b>Anchorage</b>	<b>292k</b>
VI	Wasilla	8k
VI	<b>Knik-Fairview</b>	<b>15k</b>
V	<b>Kalifornsky</b>	<b>8k</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.

<https://earthquake.usgs.gov/earthquakes/eventpage/ak20419010#pager>

Event ID: ak20419010