

M 4.3, 42.5 miles S of Cantwell

Origin Time: Thu 2015-09-17 03:38:36 UTC (19:38:36 local)

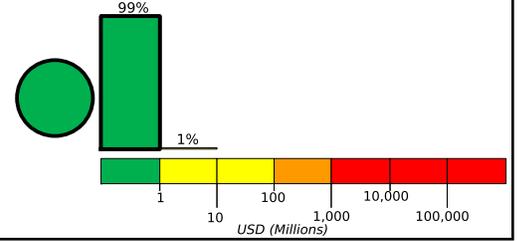
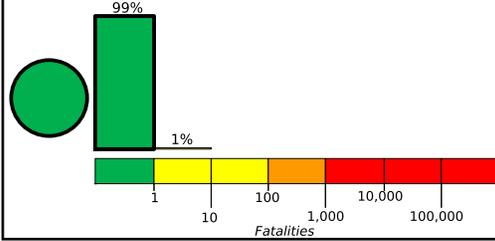
Location: 62.77°N 148.90°W Depth: 64 km

Created: 5 days, 21 hours 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



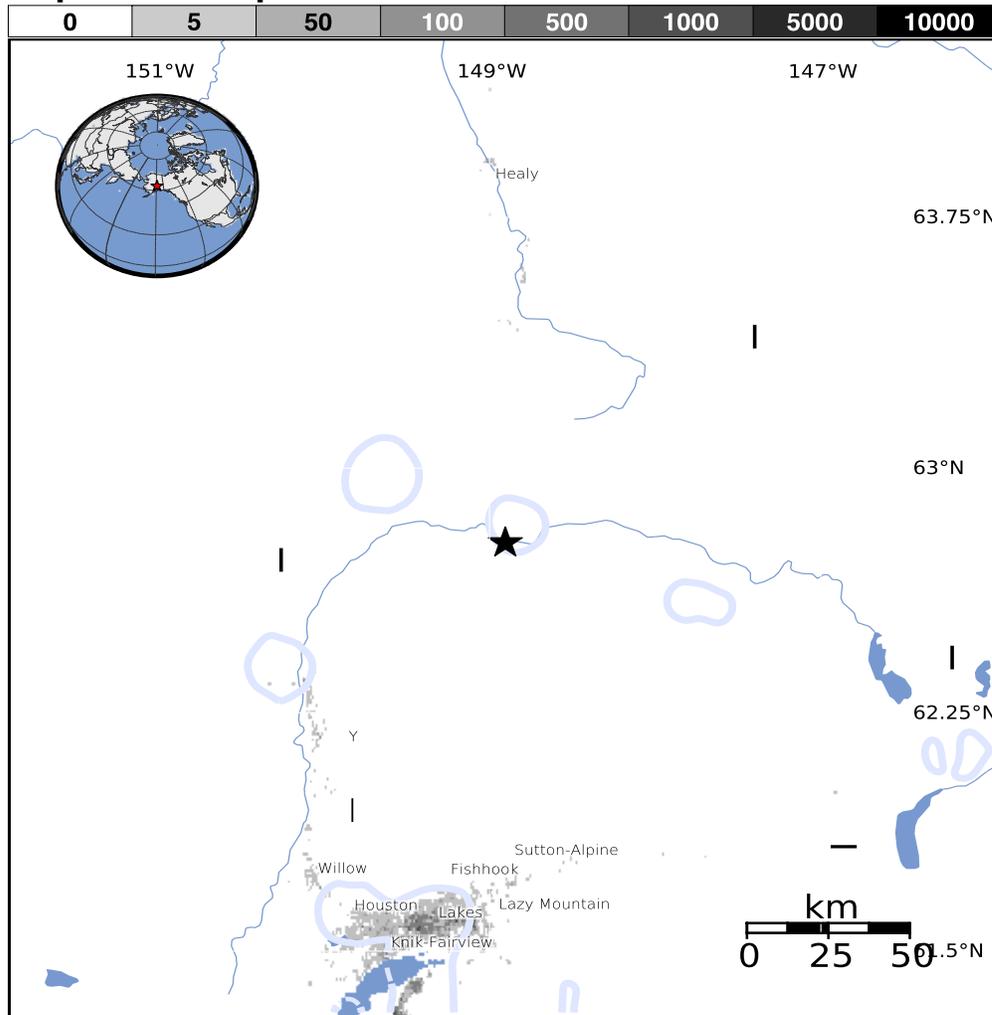
Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | 24k* | 98k | 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

population per ~1 sq. km from Landsat



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 | 92 | 6.6 | V(432) | 0 |
| 1984-08-14 | 110 | 5.8 | VI(5k) | 0 |
| 2002-11-03 | 103 | 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 Tanaina | 8k |
| II Lakes | 8k |
| II Houston | 2k |
| II Wasilla | 8k |
| II Meadow Lakes | 8k |
| II Gateway | 6k |
| II Palmer | 6k |
| II Big Lake | 3k |
| I Knik-Fairview | 15k |
| I Fishhook | 5k |
| I Butte | 3k |

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/pager>

Event ID: ak11705306