USGS
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Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

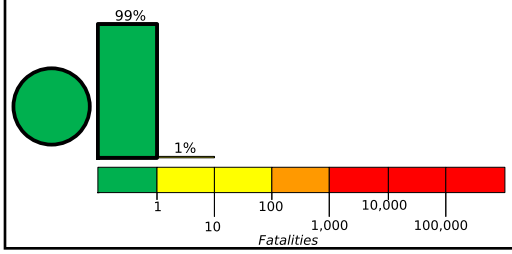
M 4.7, 60.1 miles WNW of Homer

Origin Time: Sun 2016-05-01 20:38:46 UTC (10:38:46 local)
Location: 60.11°N 152.99°W Depth: 129 km

PAGER Version 3

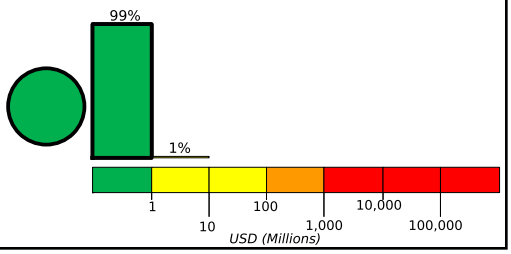
Created: 4 days, 23 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



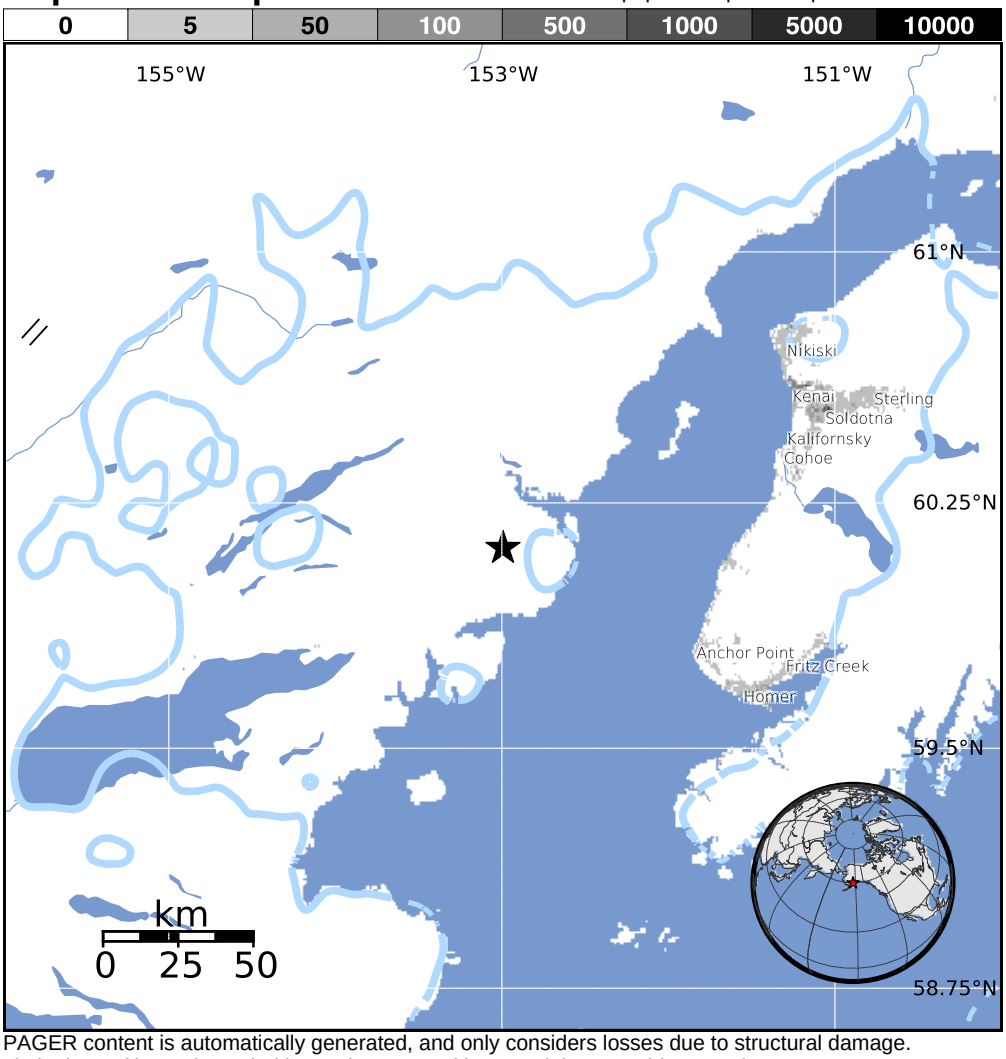
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	54k	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 Landscan



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
1984-08-14	273	5.8	VI(5k)	0
1999-12-06	326	7.0	VII(331)	0
2001-01-10	361	6.9	VIII(99)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	**Cohoe**	**1k**
III	**Kalifornsky**	**8k**
III	**Anchor Point**	**2k**
III	**Kenai**	**7k**
III	**Soldotna**	**4k**
III	Ridgeway	2k
III	**Sterling**	**6k**
III	Diamond Ridge	1k
III	**Homer**	**5k**
III	**Nikiski**	**4k**
III	**Fritz Creek**	**2k**

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/ak13507245

Event ID: ak13507245