USGS
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Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

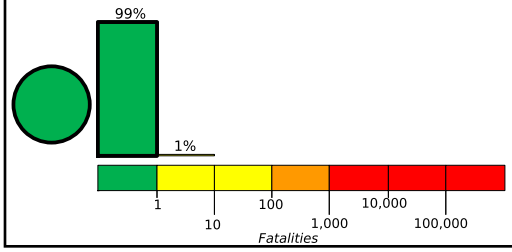
M 4.7, 54.2 miles WNW of Seldovia

Origin Time: Thu 2016-01-28 05:30:22 UTC (20:30:22 local)
Location: 59.70°N 153.17°W Depth: 107 km

PAGER Version 2

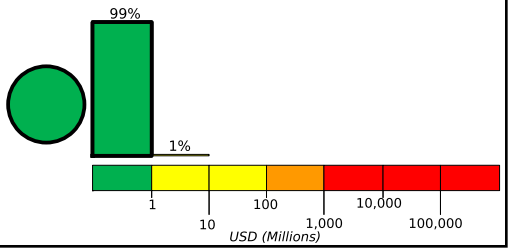
Created: 1 week, 0 days after earthquake

Estimated Fatalities



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

Estimated Economic Losses



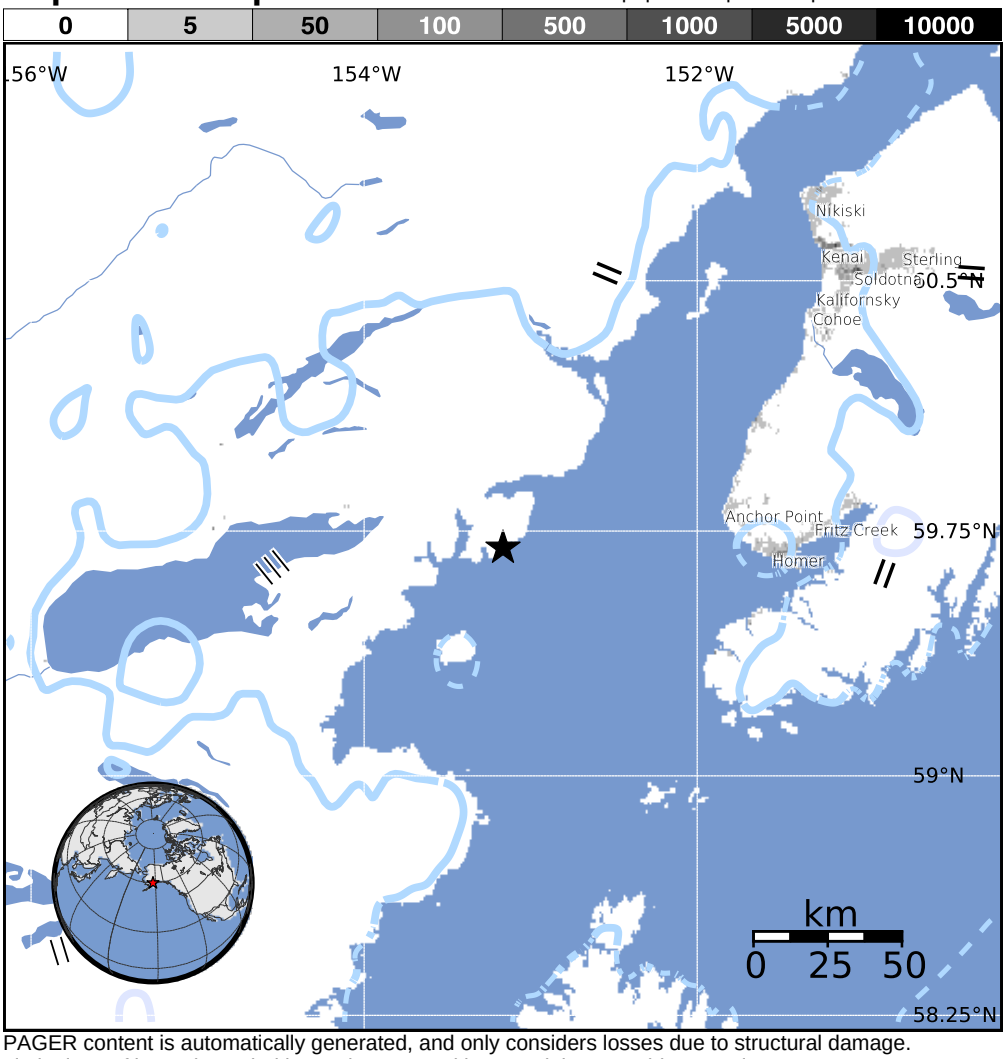
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	53k*	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	322	5.8	VI(5k)	0
1999-12-06	271	7.0	VII(331)	0
2001-01-10	306	6.9	VIII(99)	0

Selected City Exposure

from GeoNames.org

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

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/ak12542862

Event ID: ak12542862