

**M 5.1, HOKKAIDO, JAPAN REGION**

Origin Time: Mon 2013-11-25 03:23:54 UTC (12:23:54 local)

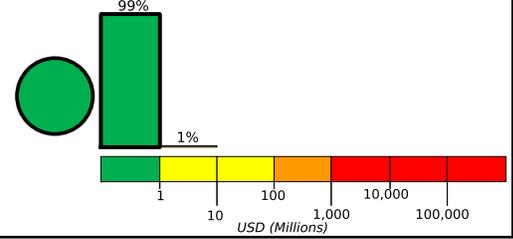
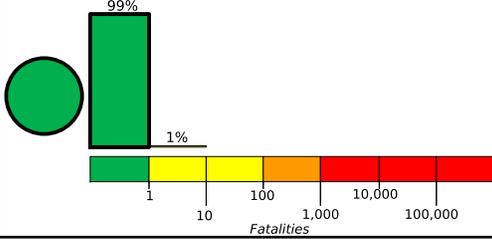
Location: 45.87°N 141.73°E Depth: 19 km

Created: 11 weeks, 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**

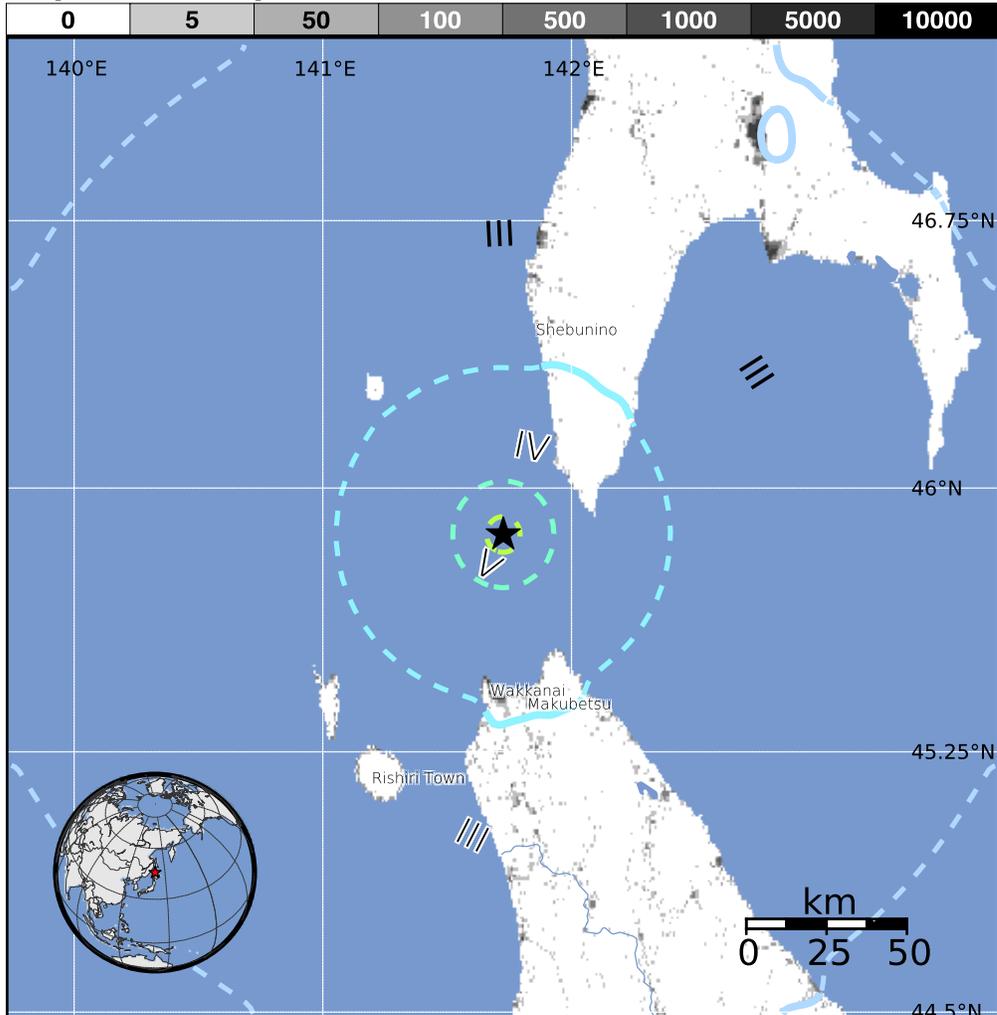


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	357k	39k	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 a mix of vulnerable and earthquake resistant construction.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2007-08-04	80	4.9	VI(19k)	0
2000-08-04	316	6.8	IX(469)	0
2007-08-02	130	6.2	VII(26k)	2

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

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
IV	<b>Makubetsu</b>	26k
IV	<b>Wakkanai</b>	42k
IV	<b>Shebunino</b>	1k
III	Gornozavodsk	6k
III	<b>Rishiri Town</b>	3k
III	Nevel'sk	17k
III	Aniva	8k
III	Korsakov	35k
III	Kholmsk	33k
III	Sokol	3k
II	Yuzhno-Sakhalinsk	176k

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: usb00015y7