

**M 6.1, EAST OF THE KURIL ISLANDS**

Origin Time: Fri 2013-04-19 19:58:41 UTC (06:58:41 local)

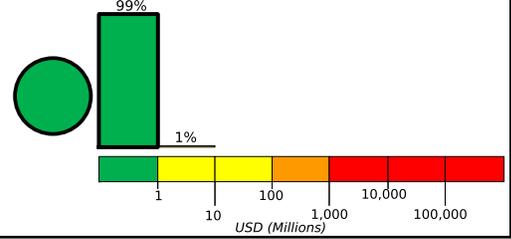
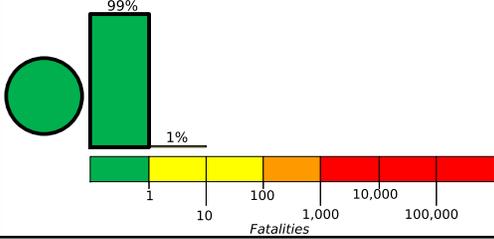
Location: 49.96°N 157.66°E Depth: 20 km

Created: 3 weeks, 6 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**



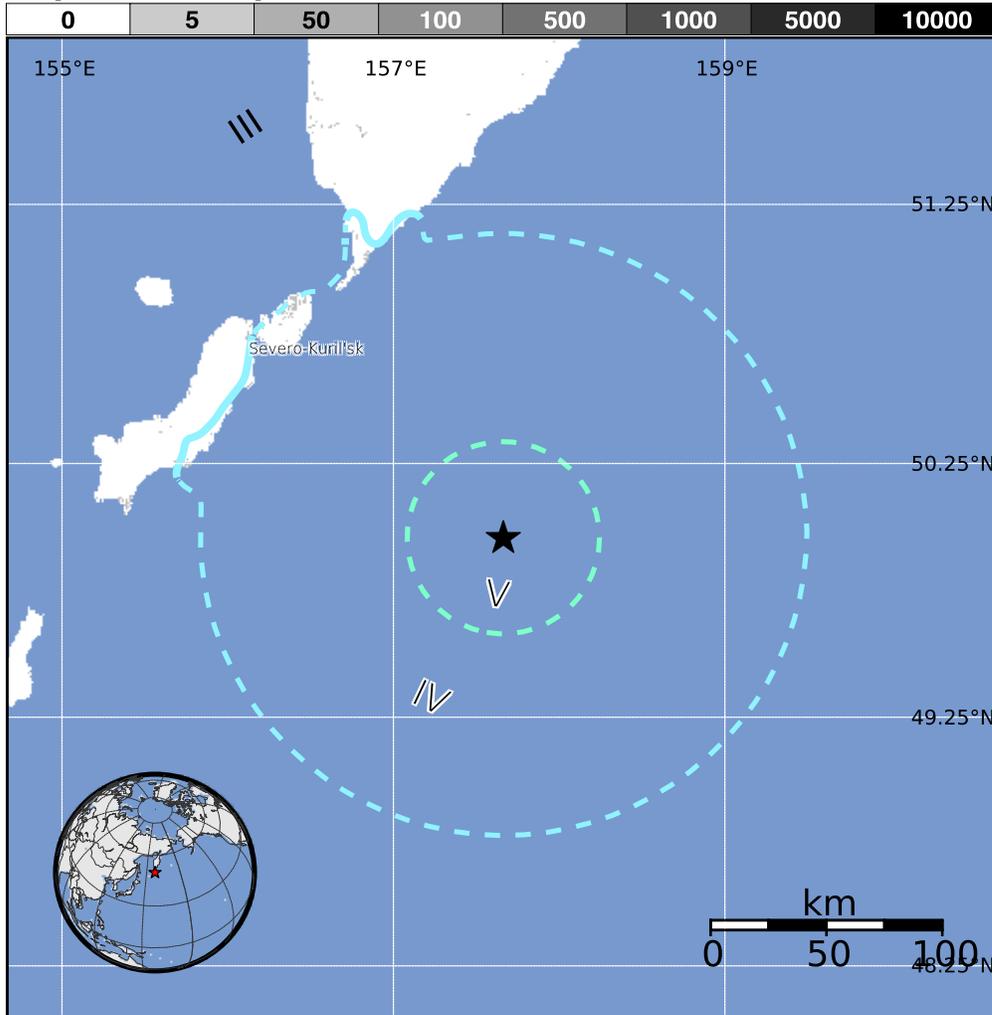
**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2k*	2k	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 a mix of vulnerable and earthquake resistant construction.

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

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1996-06-21	211	6.7	V(280k)	0
1993-06-08	137	7.5	VIII(155)	0
1973-02-28	91	7.2	VIII(776)	0

**Selected City Exposure**

from GeoNames.org

MMI City	Population
<b>IV Severo-Kuril'sk</b>	<b>2k</b>
<b>III Ozernovskiy</b>	<b>3k</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.

<http://earthquake.usgs.gov/pager>

Event ID: usb000gc6m