

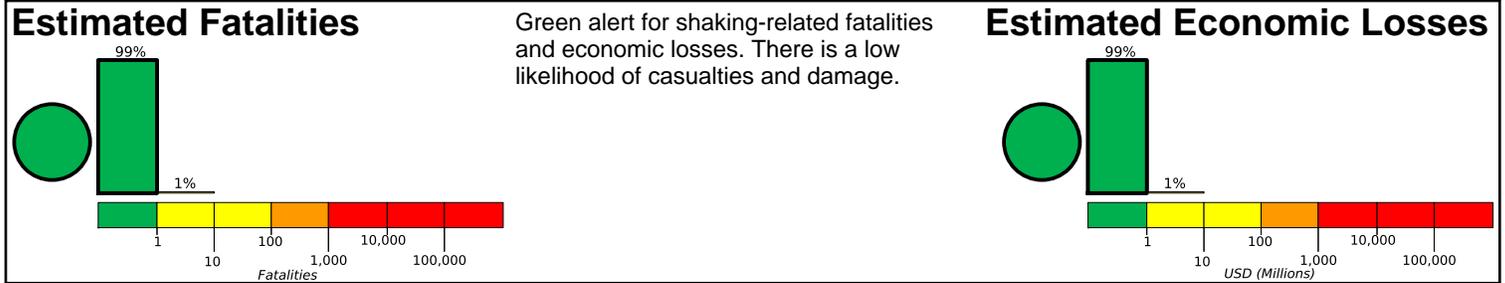
**M 5.3, KURIL ISLANDS**

Origin Time: Sat 2013-02-16 22:17:31 UTC (08:17:31 local)

Location: 43.48°N 146.74°E Depth: 41 km

**PAGER**  
**Version 5**

Created: 1 week, 6 days after earthquake

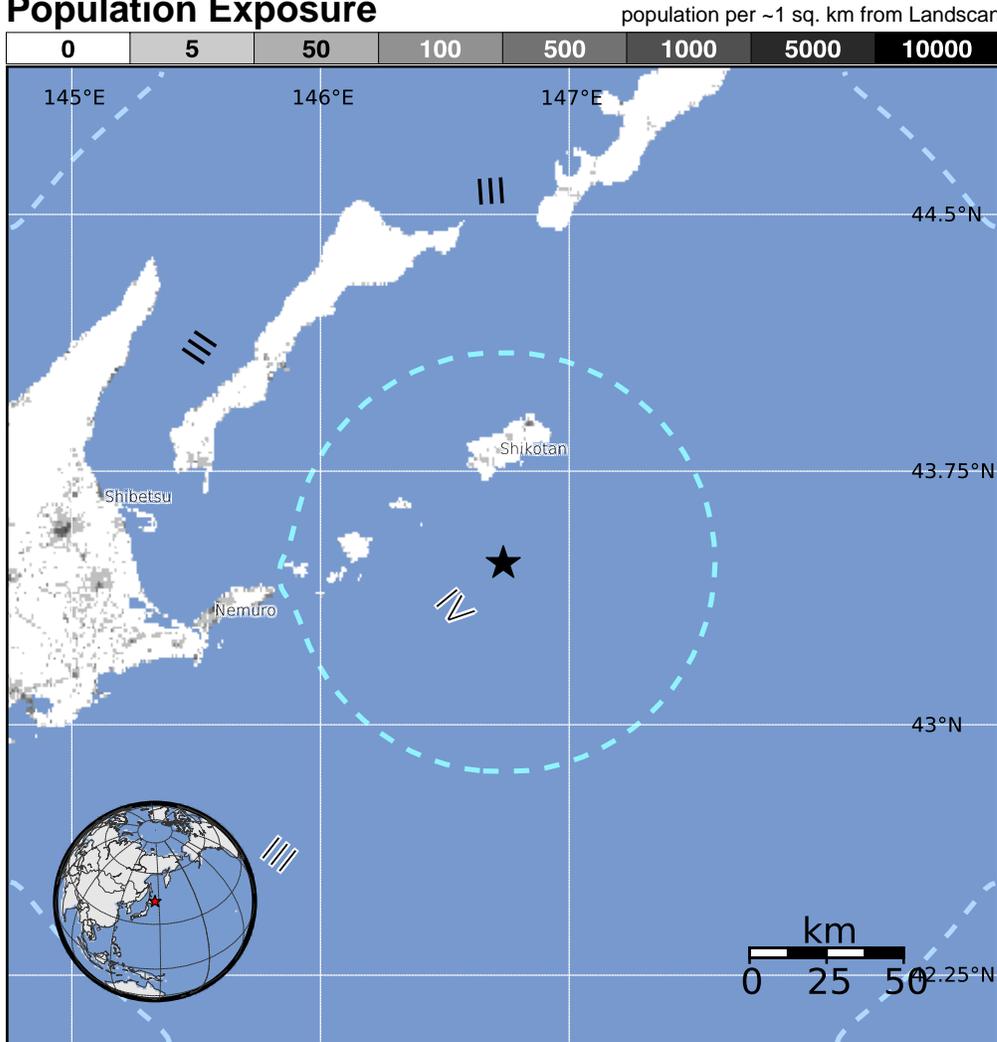


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	94k*	17k	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
1982-06-30	374	7.1	V(539)	0
2003-09-25	298	8.3	IX(3k)	0
1993-01-15	213	7.6	VIII(461k)	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
<b>IV Shikotan</b>	<b>2k</b>
IV Yuzhno-Kuril'sk	6k
<b>III Nemuro</b>	<b>31k</b>
<b>III Shibetsu</b>	<b>22k</b>
III Otrada	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.