

# M 6.0, OFF THE EAST COAST OF KAMCHATKA, RUSSIA

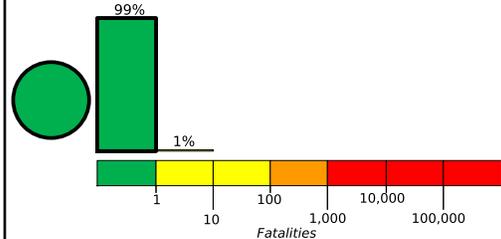
Origin Time: Tue 2013-05-21 01:55:05 UTC (12:55:05 local)

Location: 52.47°N 160.49°E Depth: 15 km

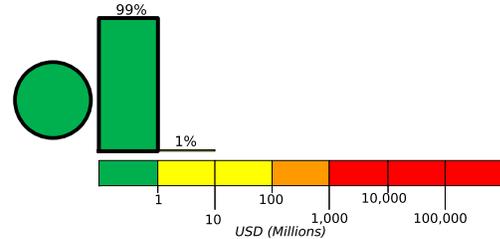
Created: 57 minutes, 0 seconds after earthquake

## Estimated Fatalities

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



## Estimated Economic Losses



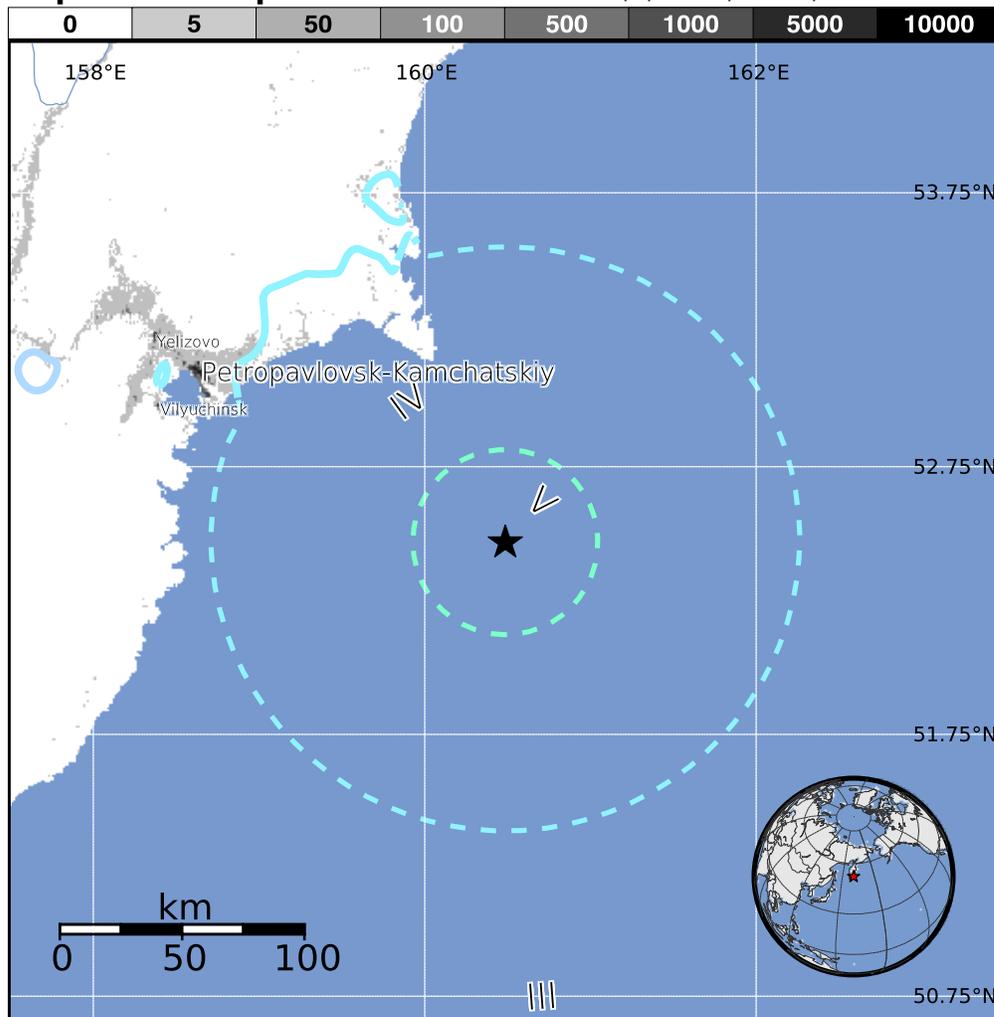
## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	264k*	7k	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	137	6.7	V(280k)	0
1996-01-01	173	6.6	VIII(157)	0
1973-02-28	348	7.2	VIII(776)	0

## Selected City Exposure

from GeoNames.org

MMI City	Population
III Paratunka	2k
III <b>Yelizovo</b>	<b>41k</b>
III <b>Vilyuchinsk</b>	<b>25k</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: usb000h0eg