

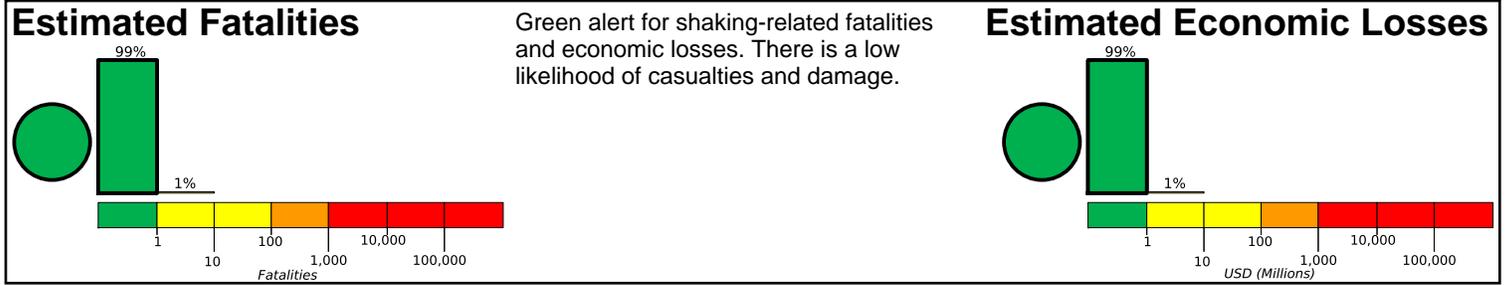
# M 6.1, OFF THE EAST COAST OF KAMCHATKA, RUSSIA

Origin Time: Tue 2013-05-21 05:43:21 UTC (16:43:21 local)

Location: 52.31°N 159.99°E Depth: 36 km

Created: 1 week, 1 day after earthquake

## PAGER Version 2

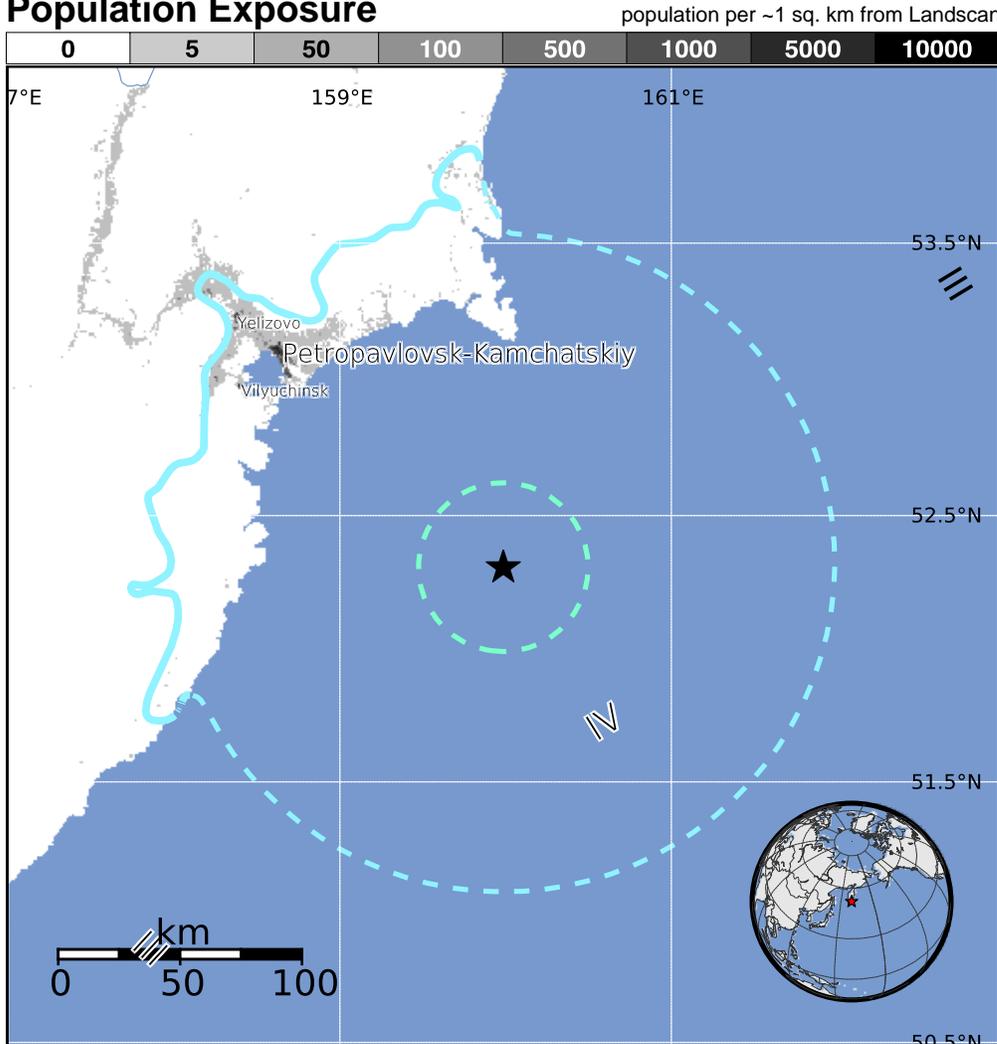


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	46k*	226k	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
1996-06-21	98	6.7	V(280k)	0
1996-01-01	184	6.6	VIII(157)	0
1973-02-28	309	7.2	VIII(776)	0

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Paratunka	2k
IV	<b>Yelizovo</b>	<b>41k</b>
IV	<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: usb000h0hw