

M 7.3, OFF THE EAST COAST OF HONSHU, JAPAN

Origin Time: Fri 2012-12-07 08:18:24 UTC (18:18:24 local)

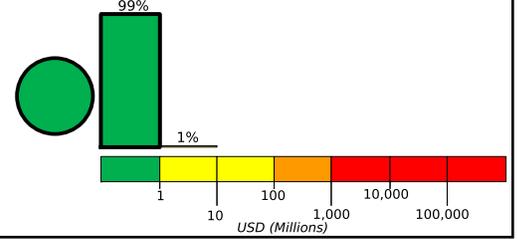
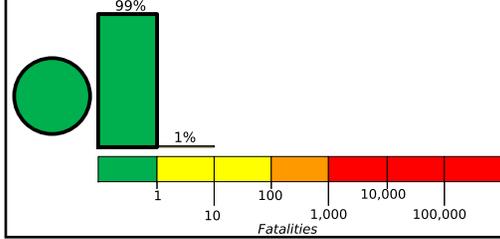
Location: 37.89°N 144.09°E Depth: 36 km

Created: 1 hour, 10 minutes 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

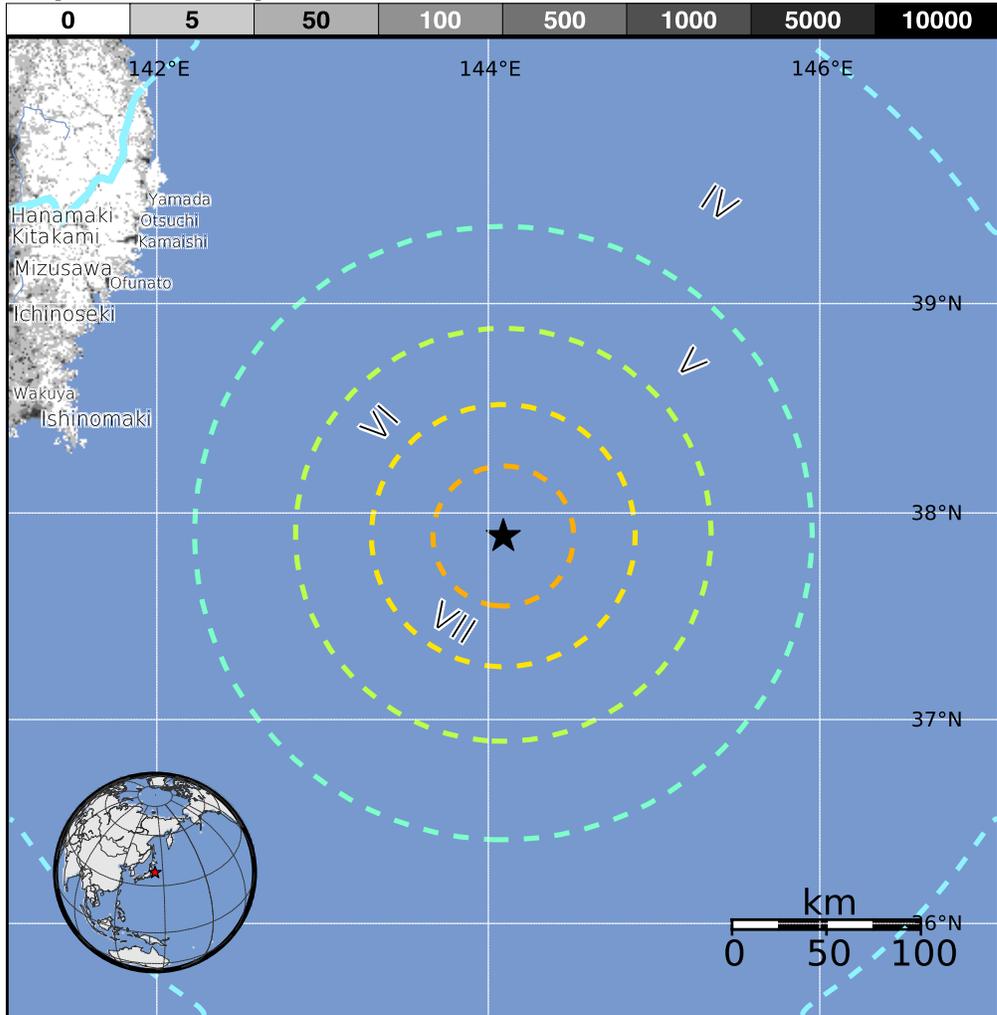


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	352k*	1,193k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	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 resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-01-22	121	6.4	V(203k)	0
1994-12-28	300	7.7	VII(132k)	3
1978-06-12	185	7.6	VIII(1,304k)	22

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

Selected City Exposure

from GeoNames.org

MMI City	Population
IV Ishinomaki	117k
IV Yamoto	32k
IV Ofunato	35k
IV Kamaishi	43k
IV Otsuchi	16k
IV Yamada	20k
IV Kitakami	94k
IV Ichinoseki	63k
IV Mizusawa	61k
III Hanamaki	73k
III Morioka	295k

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: usc000e5n4