

M 5.8, NEAR THE EAST COAST OF HONSHU, JAPAN

Origin Time: Tue 2015-02-17 04:46:38 UTC (13:46:38 local)

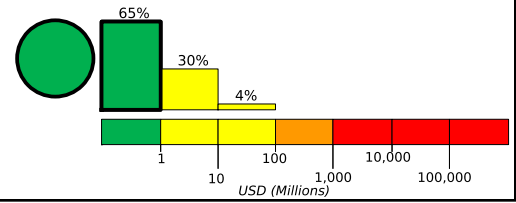
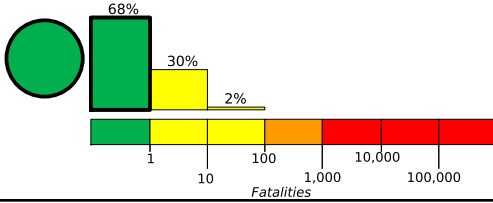
Location: 40.18°N 141.89°E Depth: 40 km

Created: 21 minutes, 17 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



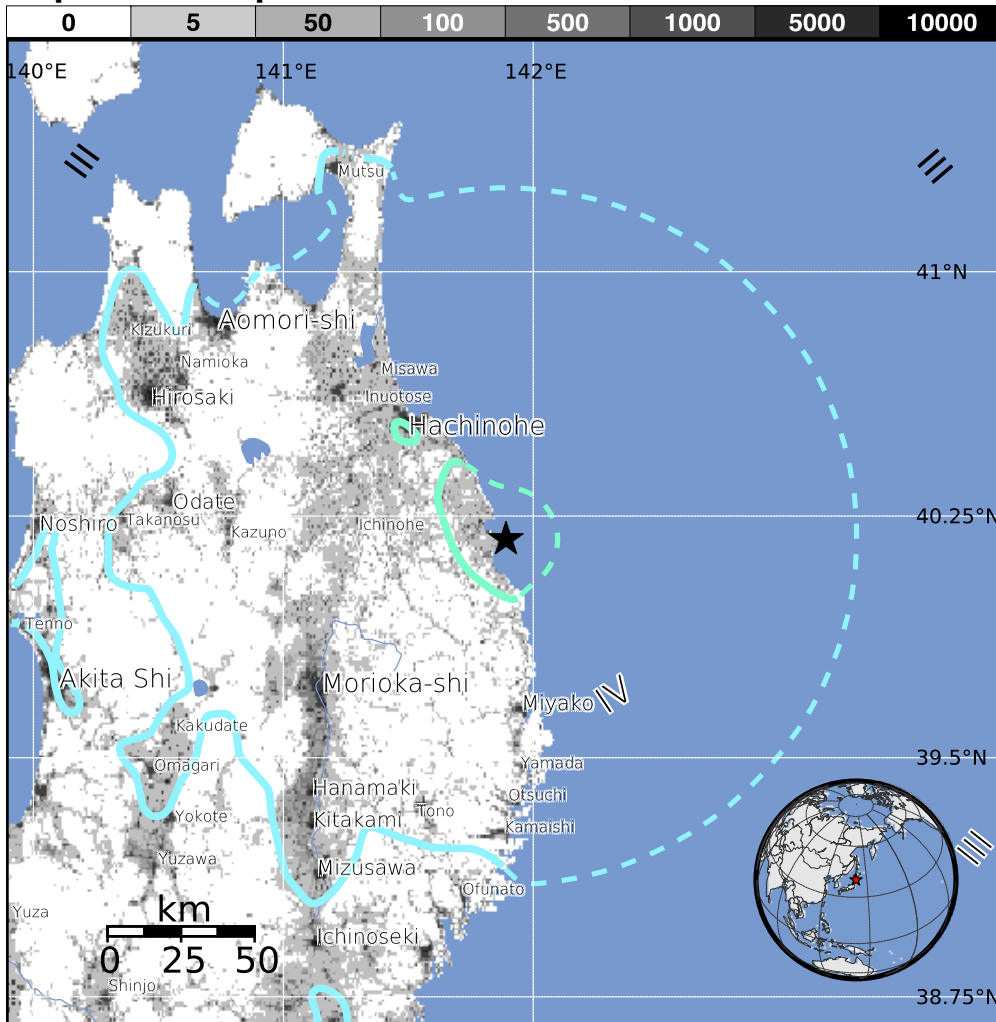
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	796k*	3,070k	263k	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 resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-10-08	352	6.7	V(261k)	0
1994-12-28	137	7.7	VII(132k)	3
1993-07-12	374	7.7	VIII(4k)	200

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
V	Hachinohe	239k
V	Uchimaru	< 1k
IV	Inuotose	< 1k
IV	Misawa	43k
IV	Furudate	< 1k
IV	Miyako	52k
IV	Morioka-shi	295k
IV	Aomori-shi	298k
IV	Akita Shi	326k
IV	Hirosaki	175k
IV	Akita	320k

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: usb000tpy8