

M 5.8, OFF THE EAST COAST OF HONSHU, JAPAN

Origin Time: Sat 2016-08-20 15:58:04 UTC (15:58:04 local)

Location: 40.32°N 143.74°E Depth: 10 km

Created: 2 weeks, 6 days after earthquake

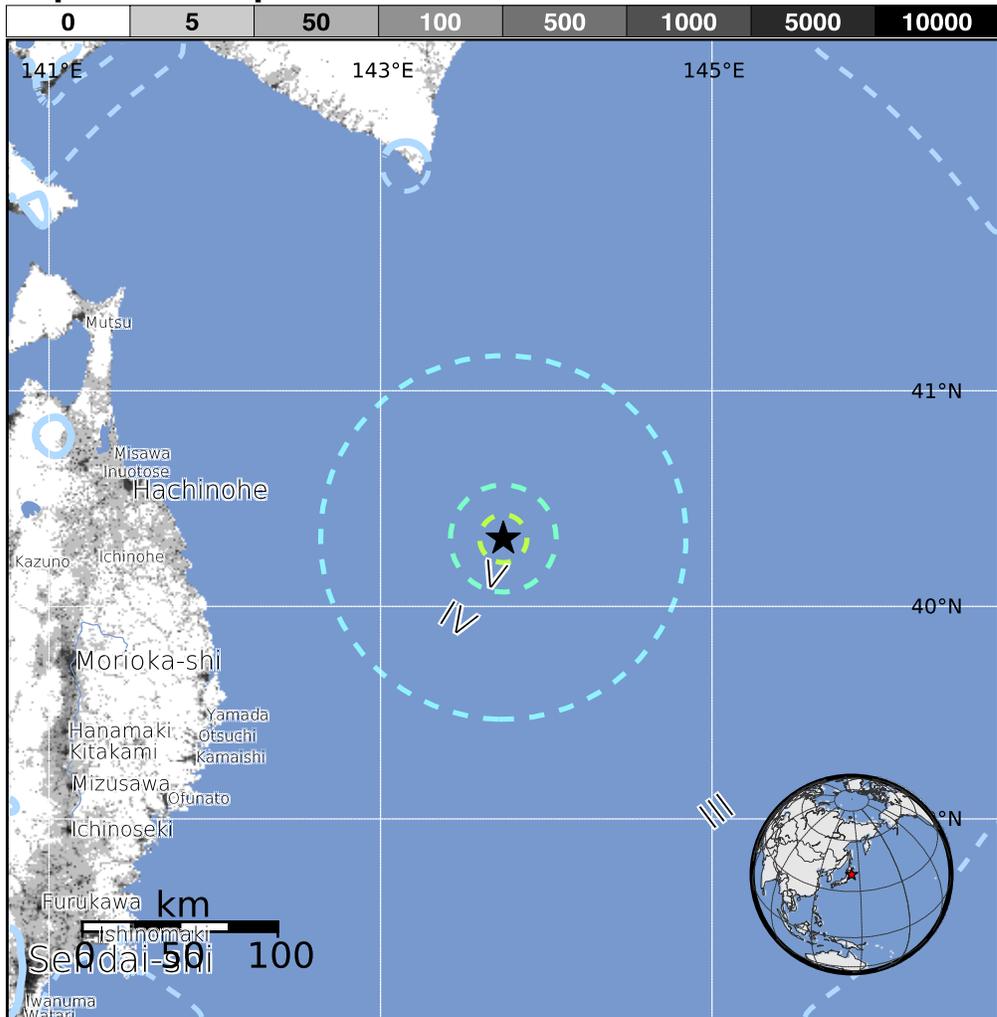


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	4,511k*	0	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 resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2004-02-17	365	5.5	V(38k)	0
1994-12-28	38	7.7	VII(132k)	3
1983-05-26	395	7.7	VII(174k)	104

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
III Uchimaruru	< 1k
III Hachinohe	239k
III Miyako	52k
III Inuotose	< 1k
III Kamaishi	43k
III Misawa	43k
III Morioka-shi	295k
III Kitakami	94k
III Murooran	96k
III Ishinomaki	117k
III Sendai-shi	1,038k

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/earthquakes/eventpage/us10006ffg>

Event ID: us10006ffg