

M 6.0, OFF THE EAST COAST OF HONSHU, JAPAN

Origin Time: Sat 2015-02-21 10:13:53 UTC (20:13:53 local)

Location: 39.82°N 143.49°E Depth: 7 km

Created: 3 weeks, 4 days after earthquake

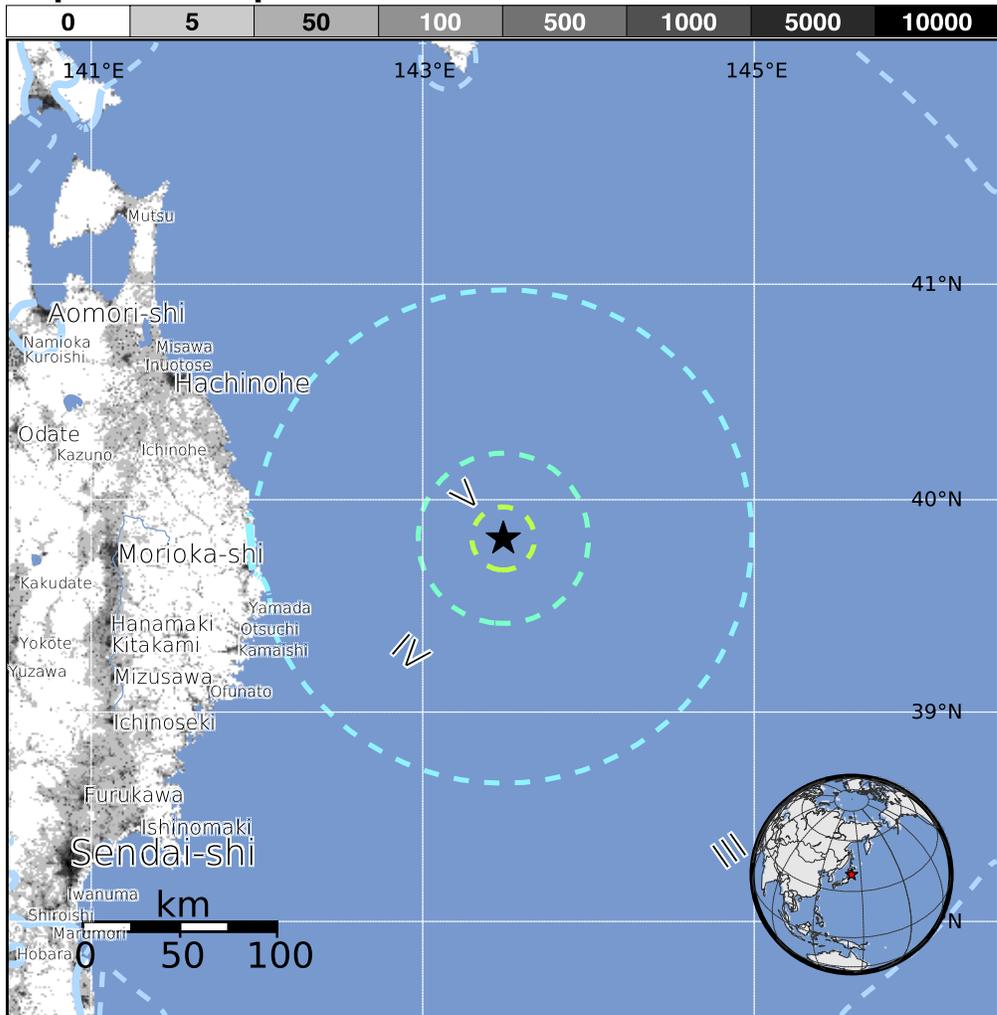


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	5,231k*	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	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
2004-12-21	381	5.6	V(58k)	0
1994-12-28	75	7.7	VII(132k)	3
1983-05-26	374	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
IV	Miyako	52k
IV	Yamada	20k
IV	Kamaishi	43k
IV	Ofunato	35k
IV	Uchimaru	< 1k
IV	Hachinohe	239k
III	Morioka-shi	295k
III	Ishinomaki	117k
III	Hakodate	276k
III	Sendai-shi	1,038k
II	Aomori-shi	298k

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: usc000ts49