

**M 5.5, NEAR THE EAST COAST OF HONSHU, JAPAN**

Origin Time: Thu 2015-07-09 18:32:51 UTC (03:32:51 local)

Location: 40.36°N 141.46°E Depth: 81 km

Created: 6 weeks, 5 days after earthquake

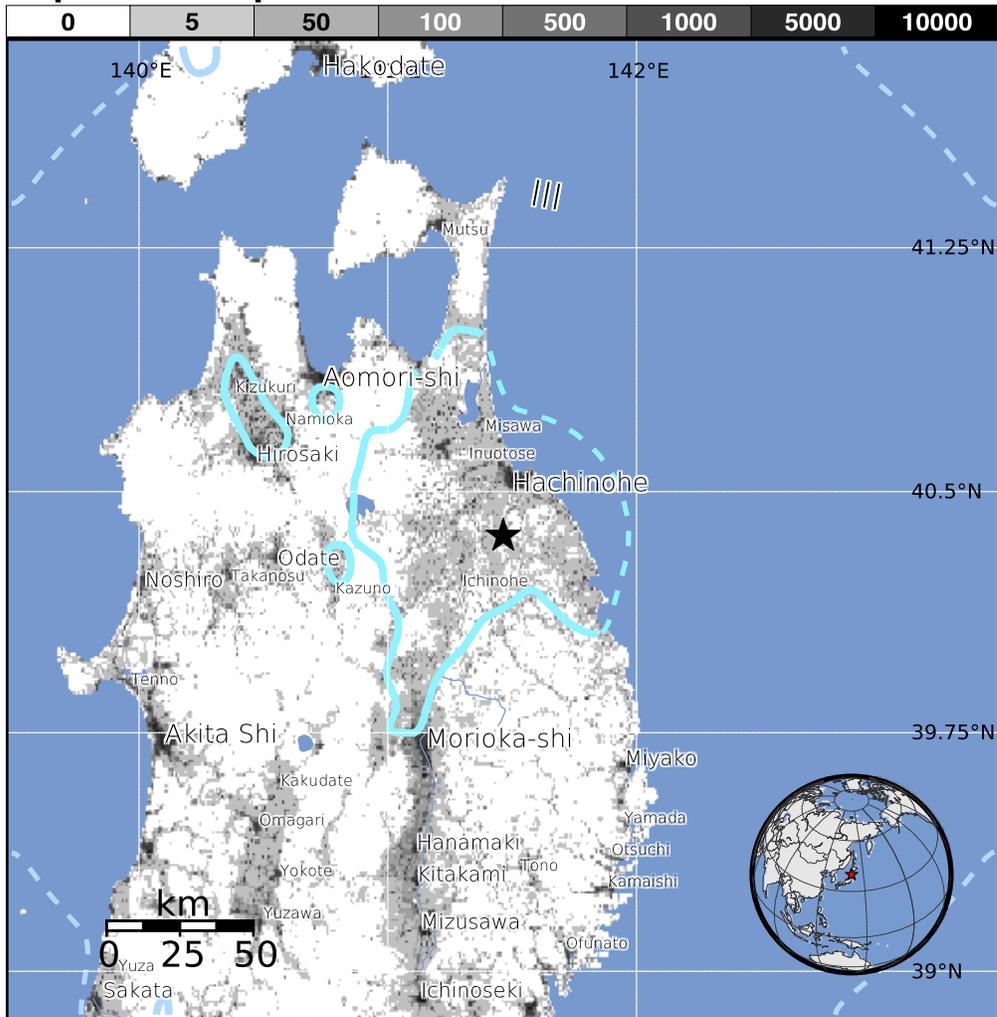


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	3,059k*	1,259k	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
1981-01-22	255	6.4	V(203k)	0
1994-12-28	157	7.7	VII(132k)	3
1993-07-12	342	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
IV	Uchimaruru	< 1k
IV	<b>Hachinohe</b>	<b>239k</b>
IV	Inuotose	< 1k
IV	Misawa	43k
IV	Furudate	< 1k
IV	Ichinohe	16k
IV	<b>Aomori-shi</b>	<b>298k</b>
III	<b>Morioka-shi</b>	<b>295k</b>
III	<b>Akita Shi</b>	<b>326k</b>
III	Akita	320k
III	<b>Hakodate</b>	<b>276k</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: us20002wd2