

M 5.8, HEILONGJIANG, CHINA

Origin Time: Sat 2016-01-02 04:22:19 UTC (12:22:19 local)

Location: 44.81°N 129.94°E Depth: 585 km

PAGER
Version 4

Created: 5 weeks, 6 days 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

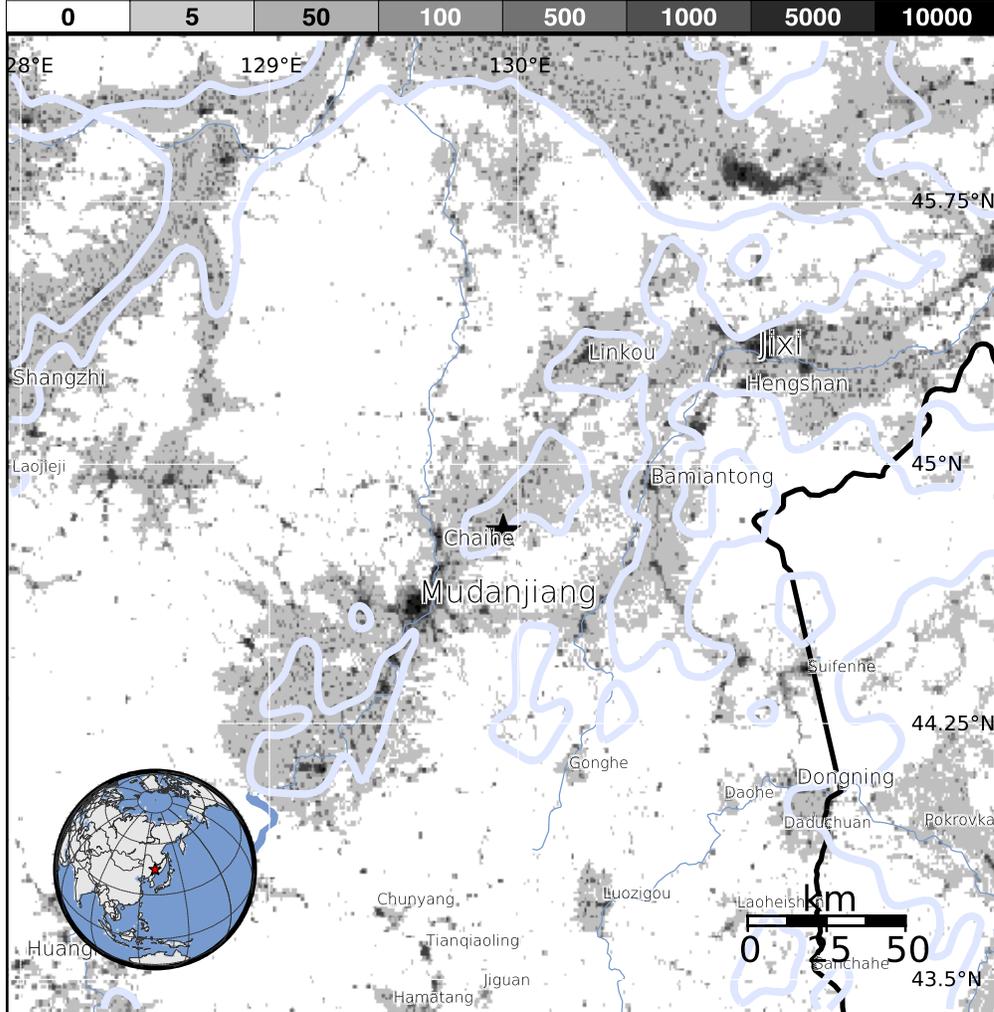


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		2,257k*	4,943k	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 highly vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

A magnitude 4.8 earthquake 330 km north of this one struck China on October 1, 1993 (UTC), with estimated population exposures of 8,000 at intensity IV and 490,000 at intensity III, with no reported fatalities.

Selected City Exposure

from GeoNames.org

MMI	City	Population
II	Pokrovka	11k
II	Jixi	404k
II	Lipovtsy	7k
II	Qitaihe	345k
II	Luozigou	< 1k
II	Mudanjiang	666k
II	Boli	95k
II	Chengzihe	98k
II	Didao	110k
I	Hengshan	165k

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/us10004atb>

Event ID: us10004atb