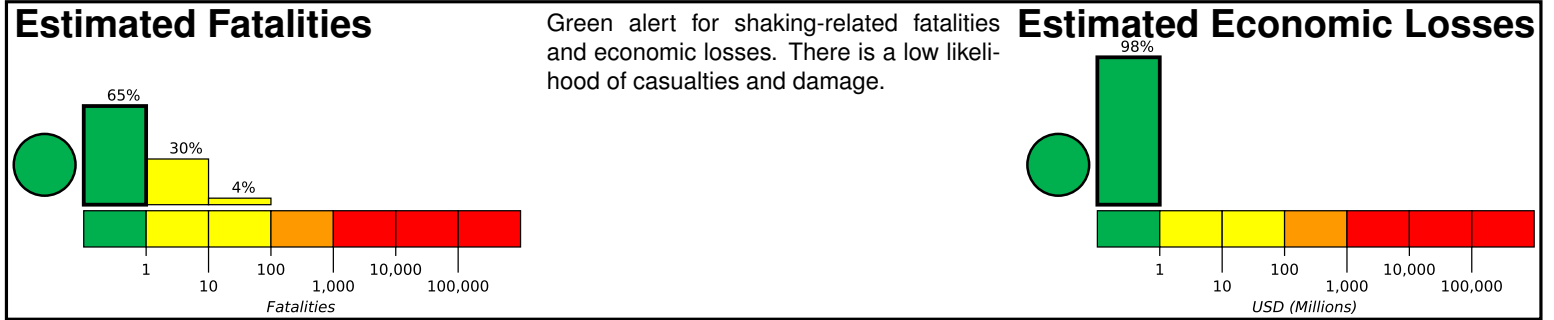


M 5.2, 22km ENE of Sungjibaegam, North Korea

Origin Time: 2017-09-03 03:30:01 UTC (Sun 12:00:01 local)
Location: 41.3429° N 129.0360° E Depth: 0.0 km

PAGER Version 3

Created: 1 hour, 18 minutes after earthquake

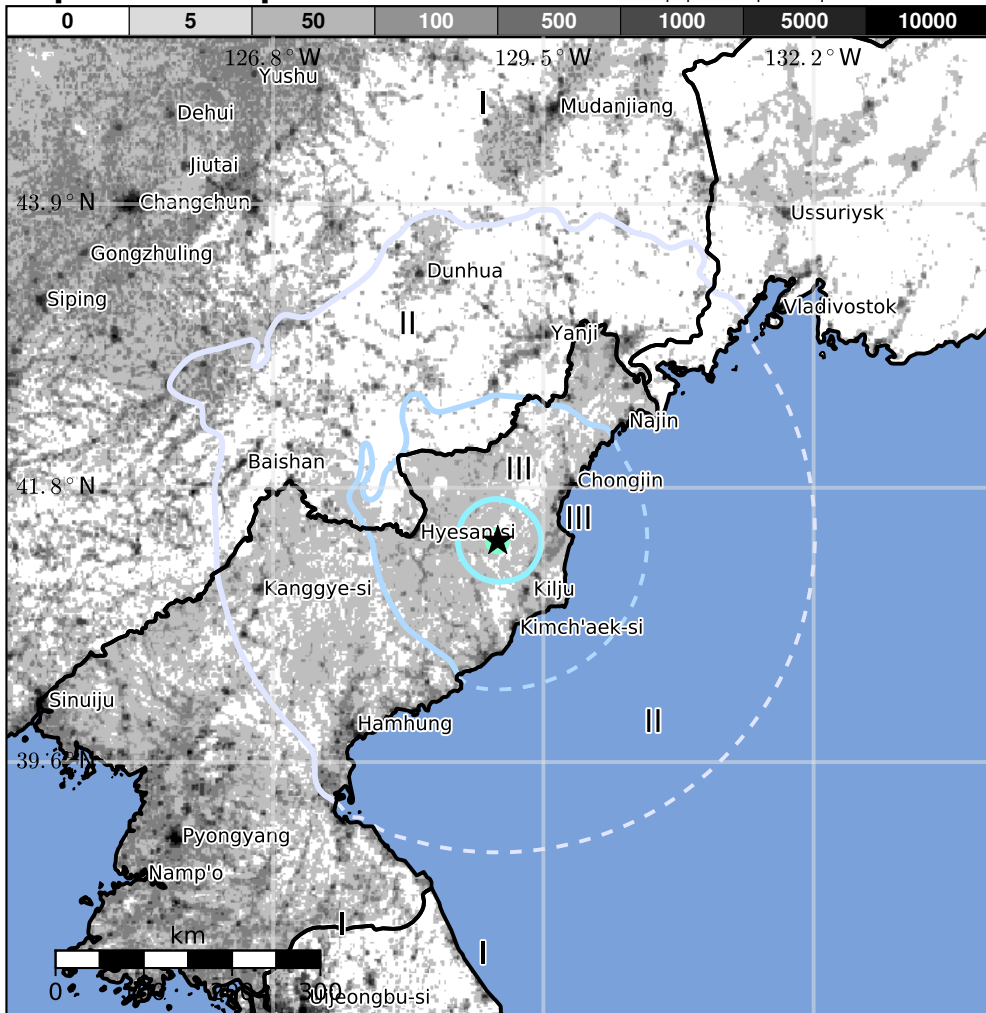


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	52,218k	12,878k	156k	6k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 vulnerable structures exist. The predominant vulnerable building types are adobe block and ductile reinforced concrete frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-04-16	77	4.6	V(31k)	-
1980-01-07	361	5.0	V(247k)	-

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Sungjibaegam	12k
IV	Hau-ri	14k
IV	Hoemul-li	12k
III	Kyongsong	36k
III	Kilju	64k
III	Sungam-nodongjagu	11k
II	Hamhung	559k
I	Vladivostok	587k
I	Wonsan	329k
I	Changchun	4,193k
I	Pyongyang	3,222k

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/us2000aert#pager>

Event ID: us2000aert