

M 5.8, MYANMAR-CHINA BORDER REGION

Origin Time: Fri 2014-05-23 20:49:21 UTC (04:49:21 local)

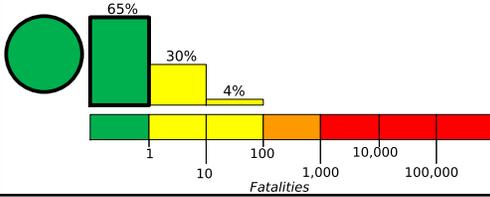
Location: 24.97°N 97.84°E Depth: 8 km

Created: 3 weeks, 6 days after earthquake

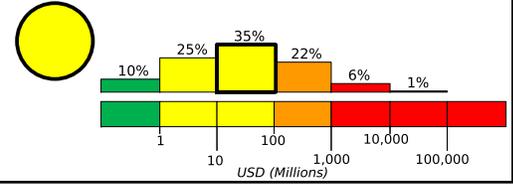
Estimated Fatalities

Yellow alert level for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of China. Past events with this alert level have required a local or regional level response.

Green alert level for shaking-related fatalities. There is a low likelihood of casualties.



Estimated Economic Losses

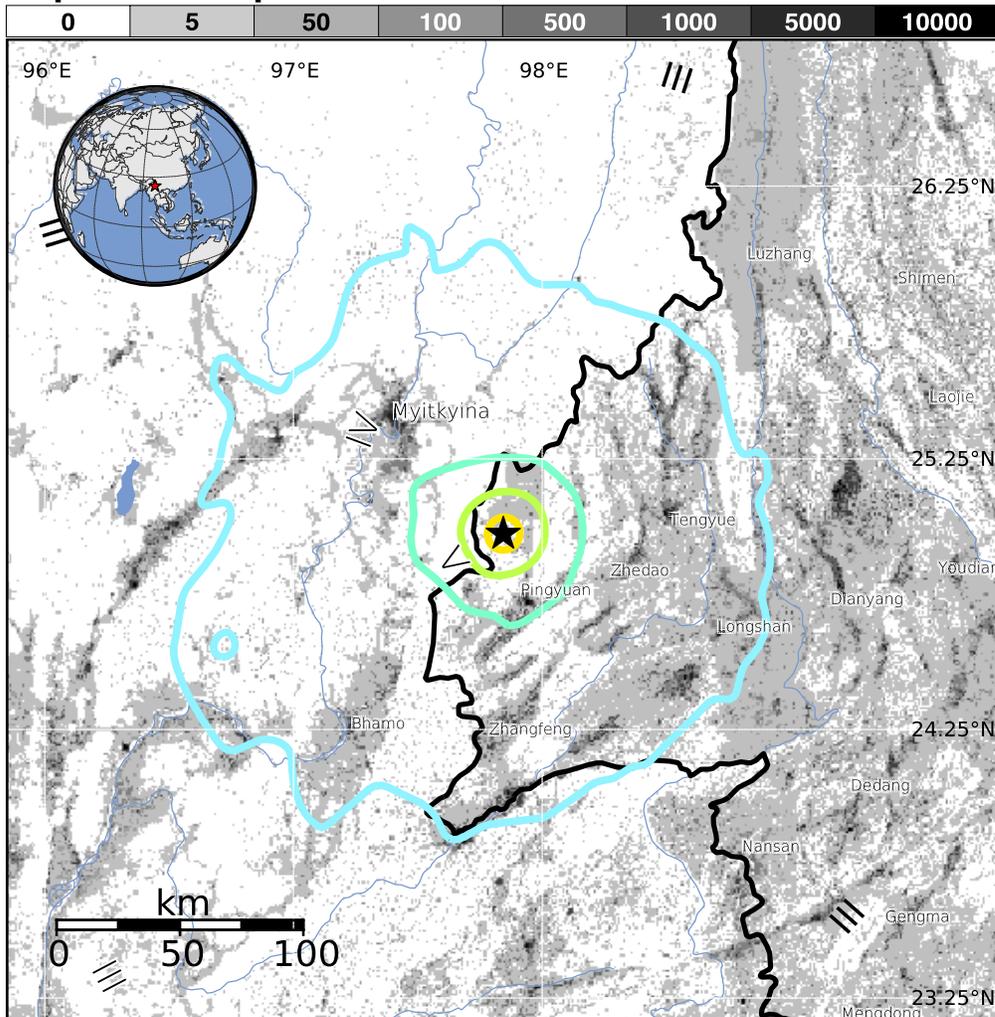


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- - *	5,087k*	3,176k	217k	12k	3k	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. The predominant vulnerable building types are unreinforced brick masonry and adobe block construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1996-02-06	352	5.4	VII(2k)	0
1996-09-24	358	5.5	VII(4k)	1
1988-11-06	290	7.0	IX(38k)	730

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI City	Population
V Pingyuan	< 1k
IV Zhedao	< 1k
IV Myitkyina	91k
IV Zhangfeng	< 1k
IV Tengyue	< 1k
IV Bhamo	48k
IV Longshan	< 1k
III Danyang	< 1k
III Luzhang	< 1k
III Youdian	< 1k
III Laojie	< 1k

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: usb000r1y6