

M 5.6, YUNNAN, CHINA

Origin Time: Fri 2014-12-05 18:43:46 UTC (02:43:46 local)

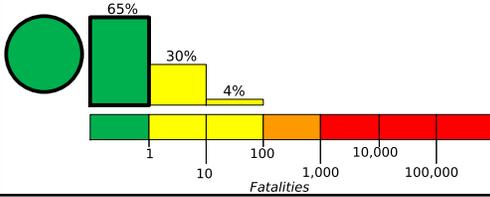
Location: 23.34°N 100.47°E Depth: 11 km

Created: 6 weeks, 4 days after earthquake

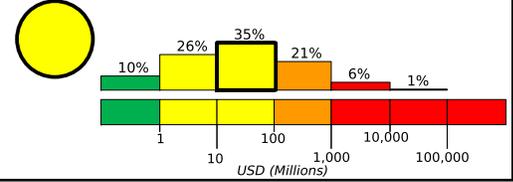
Estimated Fatalities

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



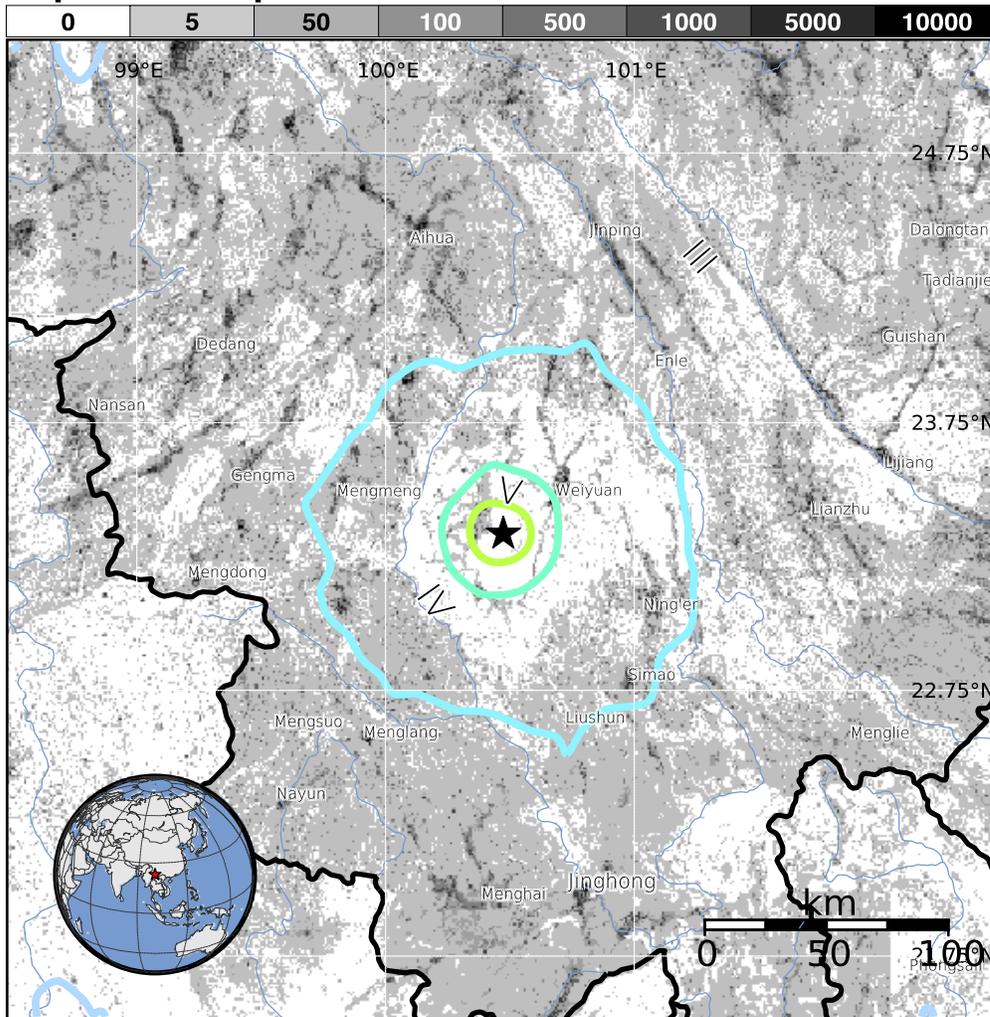
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	9,706k*	1,520k	117k	22k	2k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat



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):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-01-26	337	4.9	VI(863)	0
1992-12-18	335	5.0	VI(11k)	1
1988-11-06	105	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	Weiyuan	< 1k
IV	Mengmeng	< 1k
IV	Simao	< 1k
IV	Ning'er	< 1k
III	Liushun	< 1k
III	Gengma	< 1k
III	Menglang	< 1k
III	Lianzhu	< 1k
III	Jinghong	62k
III	Longquan	92k
III	Phongsali	14k

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: usc000t440