

M 5.1, MYANMAR

Origin Time: Thu 2013-04-04 15:16:28 UTC (21:46:28 local)

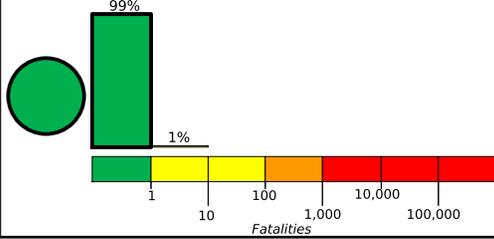
Location: 19.25°N 95.74°E Depth: 22 km

Created: 4 weeks, 0 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



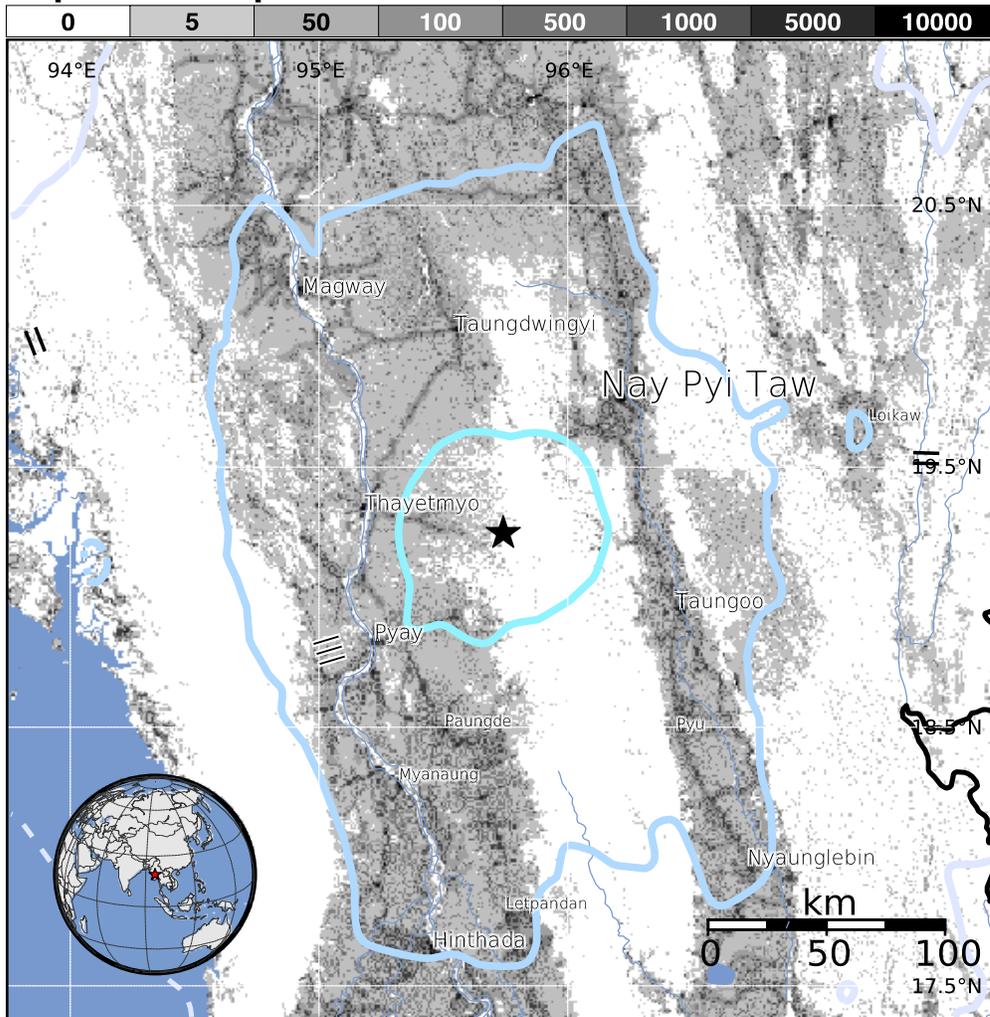
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		49k*	15,978k	285k	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

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
2000-11-13	400	5.4	VII(2k)	0
2003-09-21	66	6.6	IX(61k)	0
1975-07-08	267	6.5	VI(352k)	1

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Myaydo	58k
III	Thayetmyo	98k
III	Taungoo	107k
III	Pyay	135k
III	Pyinmana	97k
III	Paungde	37k
III	Nay Pyi Taw	925k
III	Loikaw	17k
III	Magway	97k
III	Meiktila	177k
II	Taunggyi	160k

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: usb000fzn7