

M 5.4, NORTHERN SUMATRA, INDONESIA

Origin Time: Sat 2014-03-15 10:58:46 UTC (17:58:46 local)

Location: 2.84°N 99.07°E Depth: 171 km

Created: 5 weeks, 6 days after earthquake

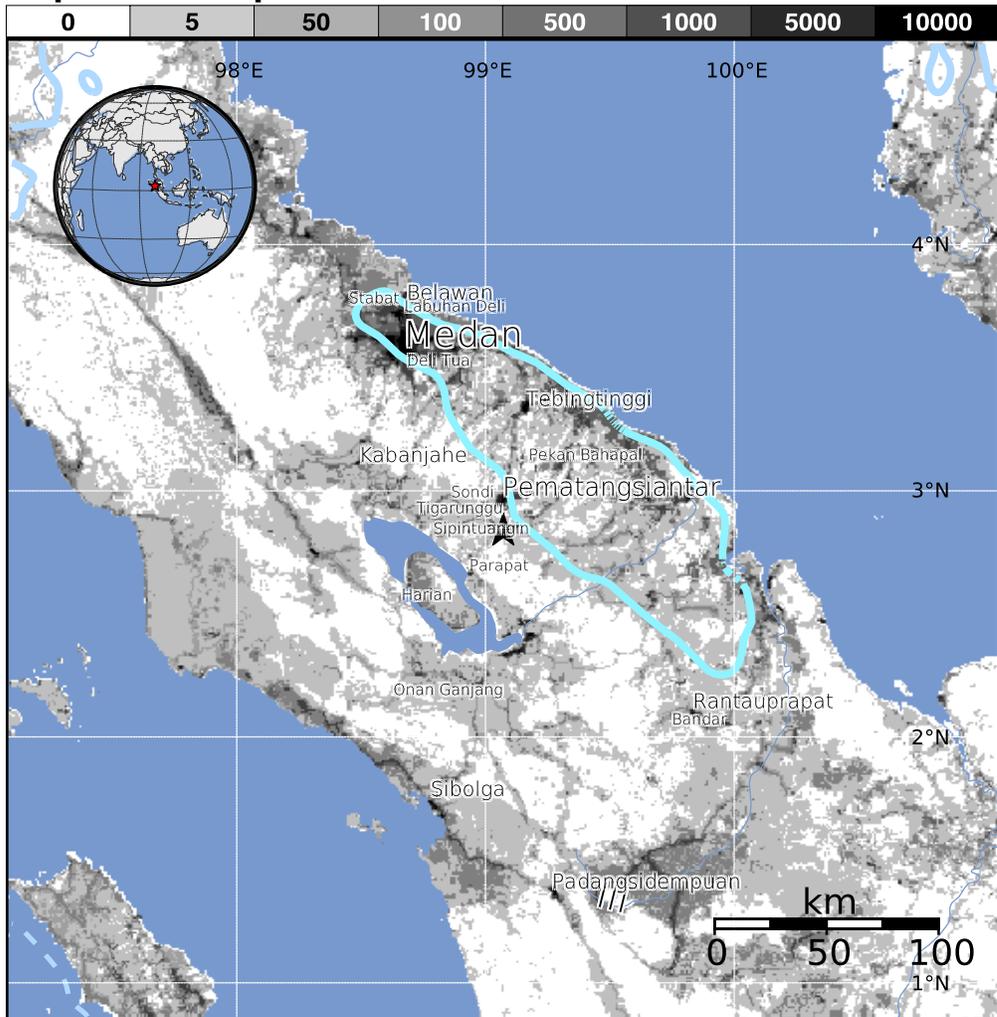


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	9,708k*	6,211k	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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-10-30	317	5.6	V(302k)	0
2006-12-17	262	5.8	VII(72k)	7
2005-03-28	240	8.6	VIII(509k)	1k

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
IV	Kisaran	130k
IV	Tanjungbalai	143k
IV	Perbaungan	157k
IV	Teluk Nibung	25k
IV	Percut	311k
IV	Medan	1,751k
IV	Tebingtinggi	118k
IV	Pematangsiantar	210k
III	Sunggal	158k
III	Binjai	229k
III	Rantauprapat	103k

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: usc000ncdc