

M 6.7, KEPULAUAN MENTAWAI REGION, INDONESIA

PAGER Version 1

Origin Time: Thu 2007-09-20 08:31:14 UTC

Location: 2.03°S 100.14°E Depth: 30 km

Created: 13 days, 8 hrs after earthquake

Estimated Population Exposed to Earthquake Shaking

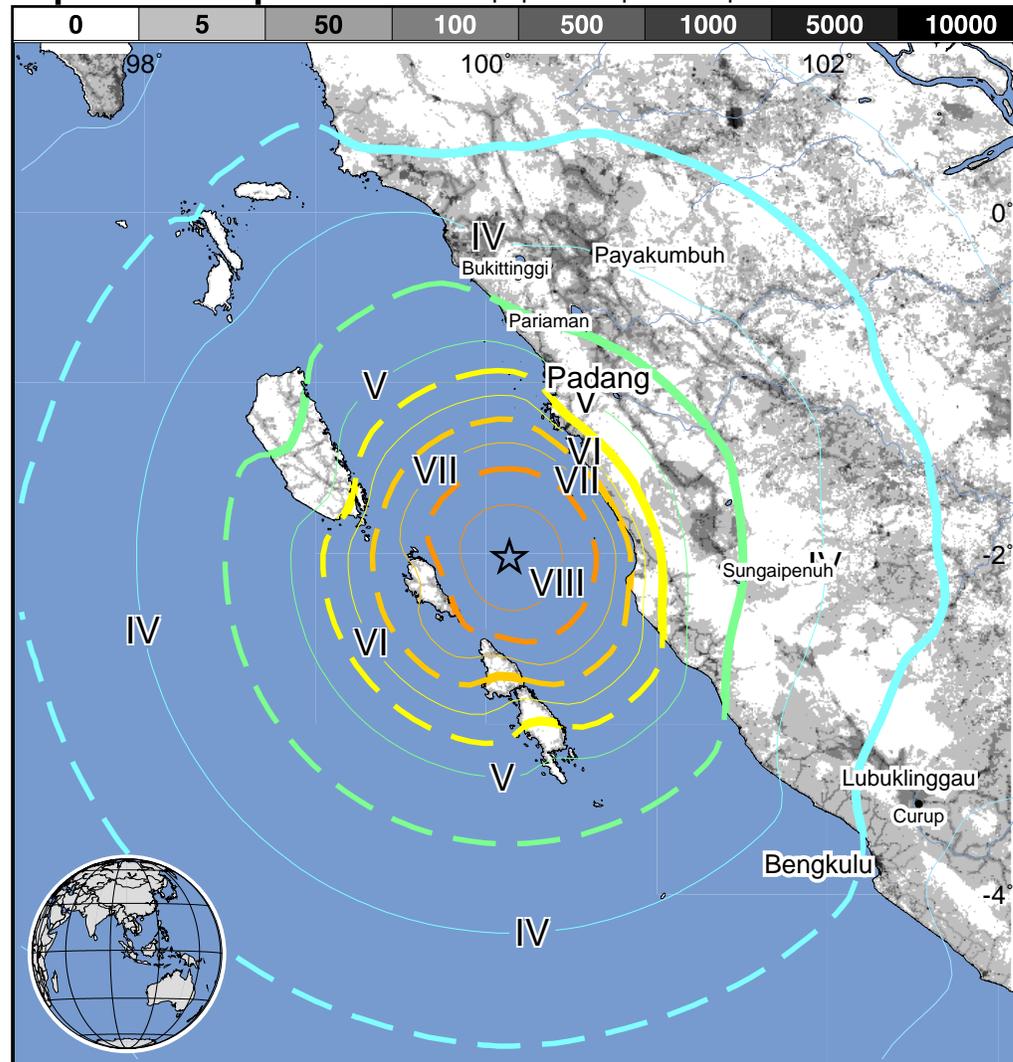
ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	4,587k*	4,571k	2,437k	207k	47k	1k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. 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 Landscan 2005

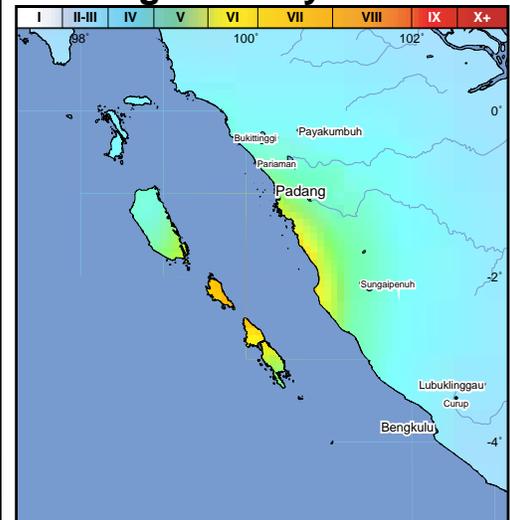
Selected City Exposure



MMI City	Population
V Padang	840k
V Sungaipenuh	95k
V Pariaman	92k
V Solok	48k
IV Sijunjung	27k
IV Bukittinggi	98k
IV Payakumbuh	121k
III Bengkulu	309k
III Curup	46k
III Lubuklinggau	148k

bold cities appear on map (k = x1000)

Shaking Intensity



Users should consider the preliminary nature of this information and check for updates as additional data becomes available. Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, structures in this region are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 6.3 earthquake struck the Yogyakarta, Indonesia region on May 26, 2006 (UTC), with estimated population exposures of 590,000 at intensity IX or greater and 2.4 million at intensity VIII, resulting in 5,749 deaths. Recent earthquakes in this area have also triggered tsunami, landslide and liquefaction hazards that have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2007hmas