

M 8.6, OFF THE WEST COAST OF NORTHERN SUMATRA

Origin Time: Wed 2012-04-11 08:38:36 UTC (08:38:36 local)

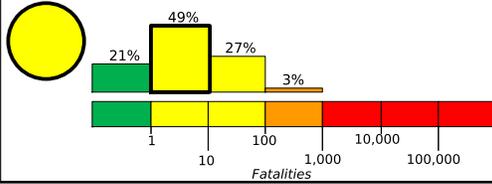
Location: 2.29°N 93.08°E Depth: 20 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 203 weeks, 0 days after earthquake

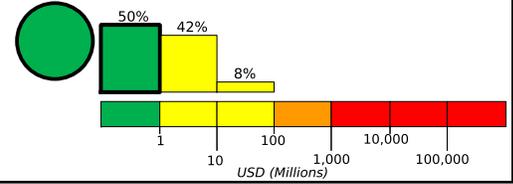
Estimated Fatalities

Yellow alert level for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.



Green alert level for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

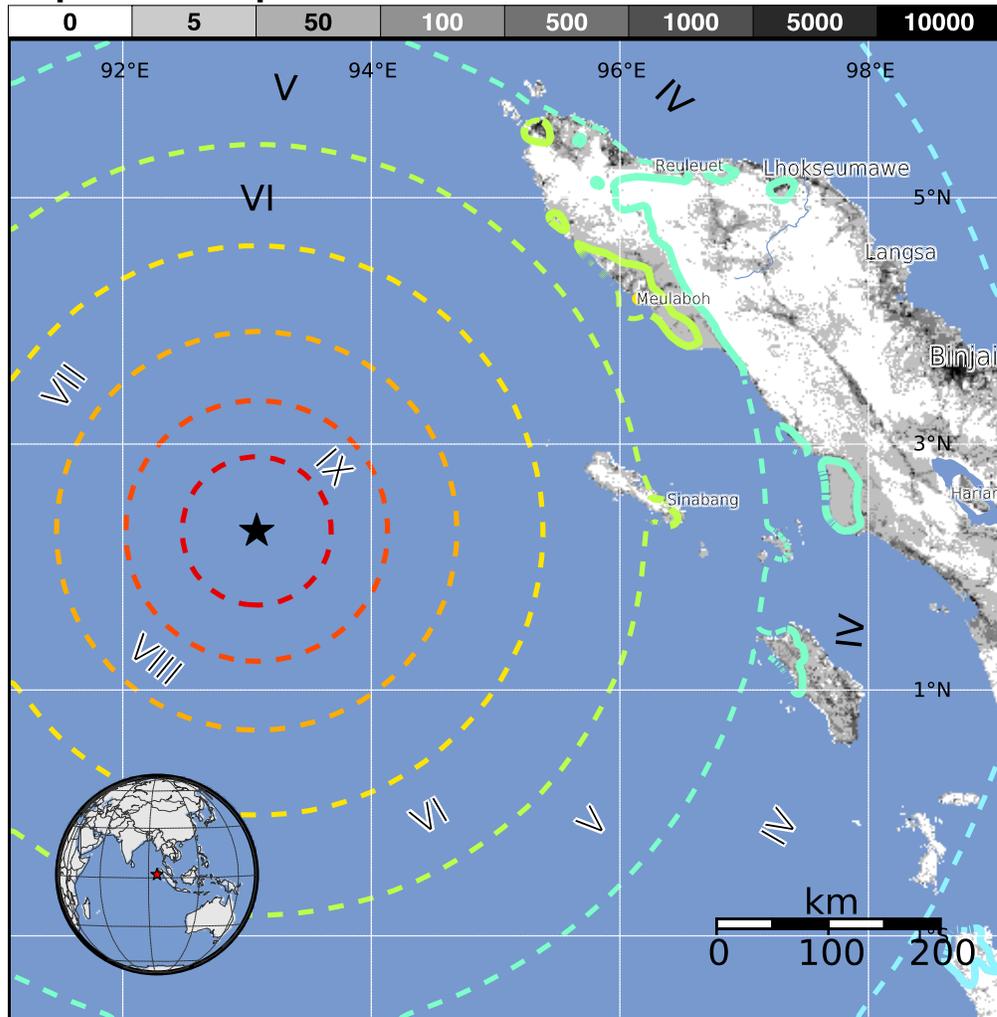


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	9k*	9,769k*	2,392k*	646k*	419k	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



Structures:

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are concrete/cinder block masonry and unreinforced brick with concrete floor construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-09-01	341	6.3	VII(50k)	0
2004-12-26	327	9.0	IX(237k)	0
2002-11-02	339	7.2	VIII(2k)	3

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

Selected City Exposure

from GeoNames.org

MMI City	Population
VII Banda Aceh	251k
VII Meulaboh	35k
VI Sinabang	15k
V Sigli	18k
V Reuleuet	40k
V Bireun	26k
IV Binjai	229k
IV Percut	311k
IV Medan	1,751k
IV Sunggal	158k
IV Pematangsiantar	210k

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/earthquakes/eventpage/usp000jhh2>

Event ID: usp000jhh2