

# M 5.5, NIAS REGION, INDONESIA

Origin Time: Thu 2016-09-01 20:04:17 UTC (20:04:17 local)

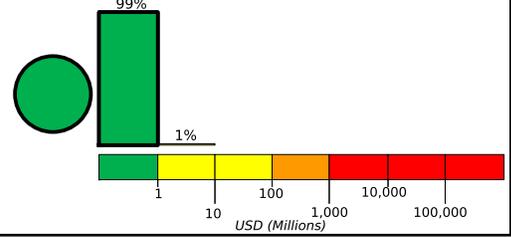
Location: 0.55°N 98.61°E Depth: 35 km

Created: 4 weeks, 5 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

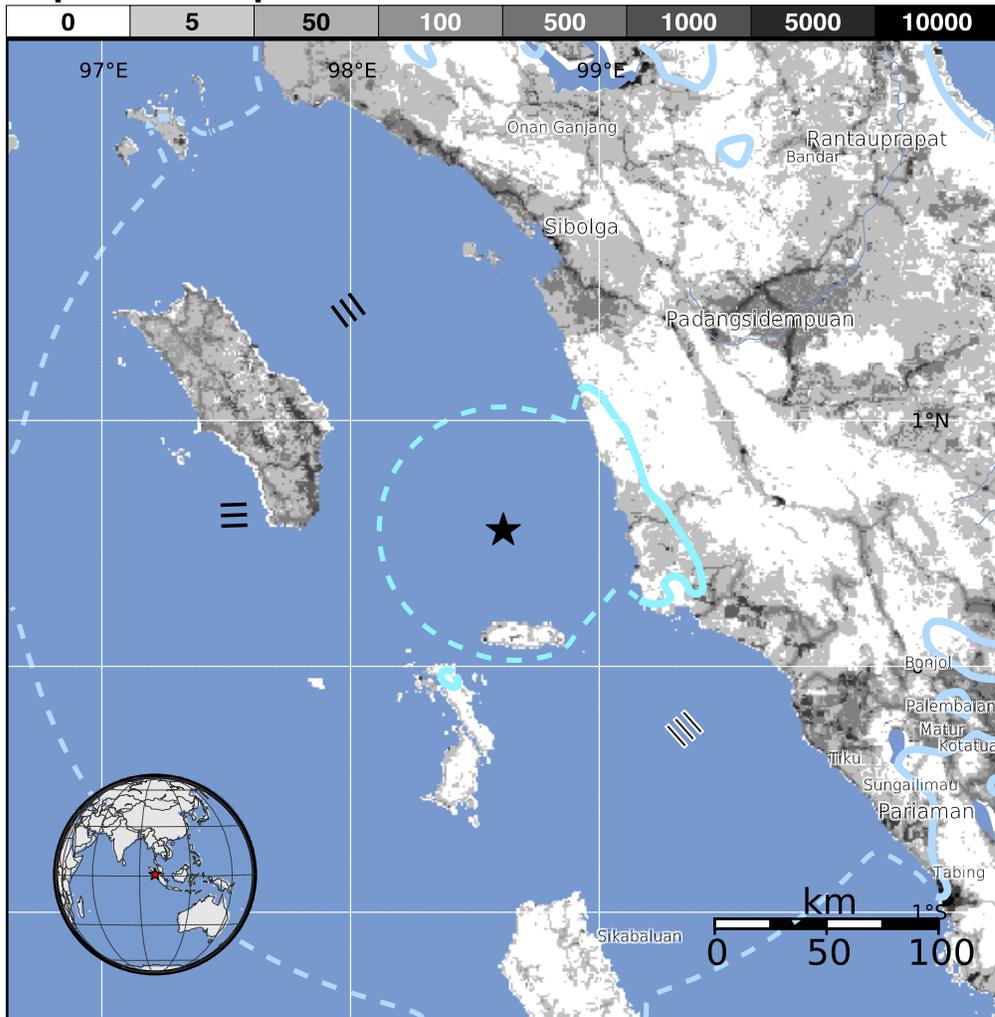


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	8,612k	125k	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
1976-06-21	396	5.8	V(313k)	0
2004-02-16	255	5.0	VII(2k)	5
2005-03-28	231	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
III Padangsidempuan	101k
III Tiku	< 1k
III Sibolga	80k
III Lubukalung	< 1k
III Rantauprapat	103k
III Pauhambar	< 1k
III Bandar	31k
III Guguk	< 1k
III Pariaman	92k
III Bukittinggi	99k
III Padang	840k

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/us10006jg1>

Event ID: us10006jg1