

M 5.7, NIAS REGION, INDONESIA

Origin Time: Tue 2015-01-27 00:53:19 UTC (07:53:19 local)

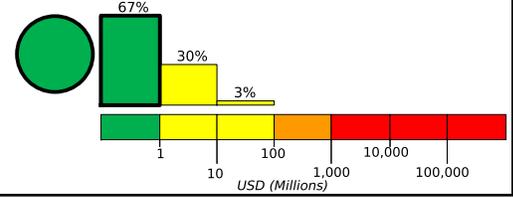
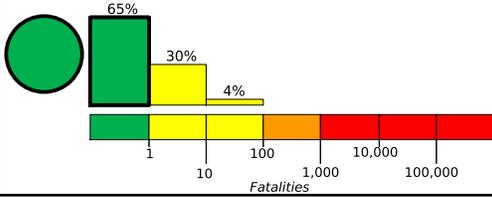
Location: 1.34°N 97.24°E Depth: 12 km

Created: 7 weeks, 4 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

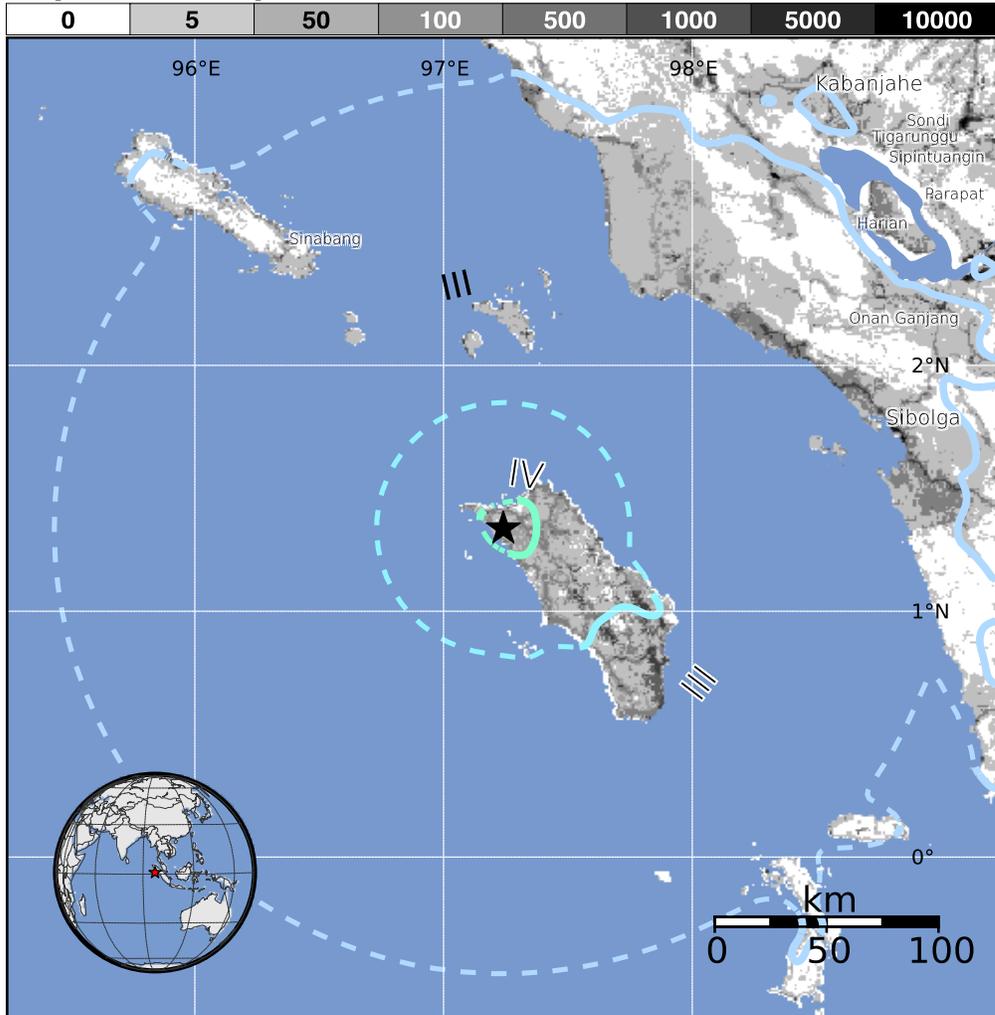


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | - -* | 3,793k | 353k | 43k | 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 |
|------------|------------|------|------------|----------------|
| 1982-10-31 | 218 | 5.4 | VI(15k) | 0 |
| 2006-12-17 | 303 | 5.8 | VII(72k) | 7 |
| 2005-03-28 | 77 | 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 Sinabang | 15k |
| III Onan Ganjang | < 1k |
| III Sibolga | 80k |
| III Sondi | < 1k |
| III Saribudolok | < 1k |
| III Kabanjahe | 57k |
| III Tigarunggu | < 1k |
| II Tebingtinggi | 118k |
| II Pekan Bahapal | 40k |
| II Pematangsiantar | 210k |
| II Sarimatondang | < 1k |

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: usb000tii2