

M 5.8, BIAK REGION, INDONESIA

Origin Time: Tue 2015-05-26 16:42:33 UTC (01:42:33 local)

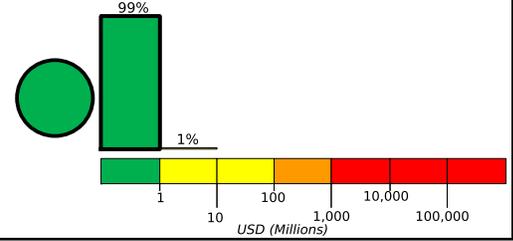
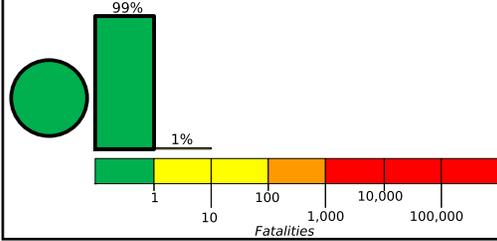
Location: 0.33°S 135.73°E Depth: 15 km

Created: 5 weeks, 1 day 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



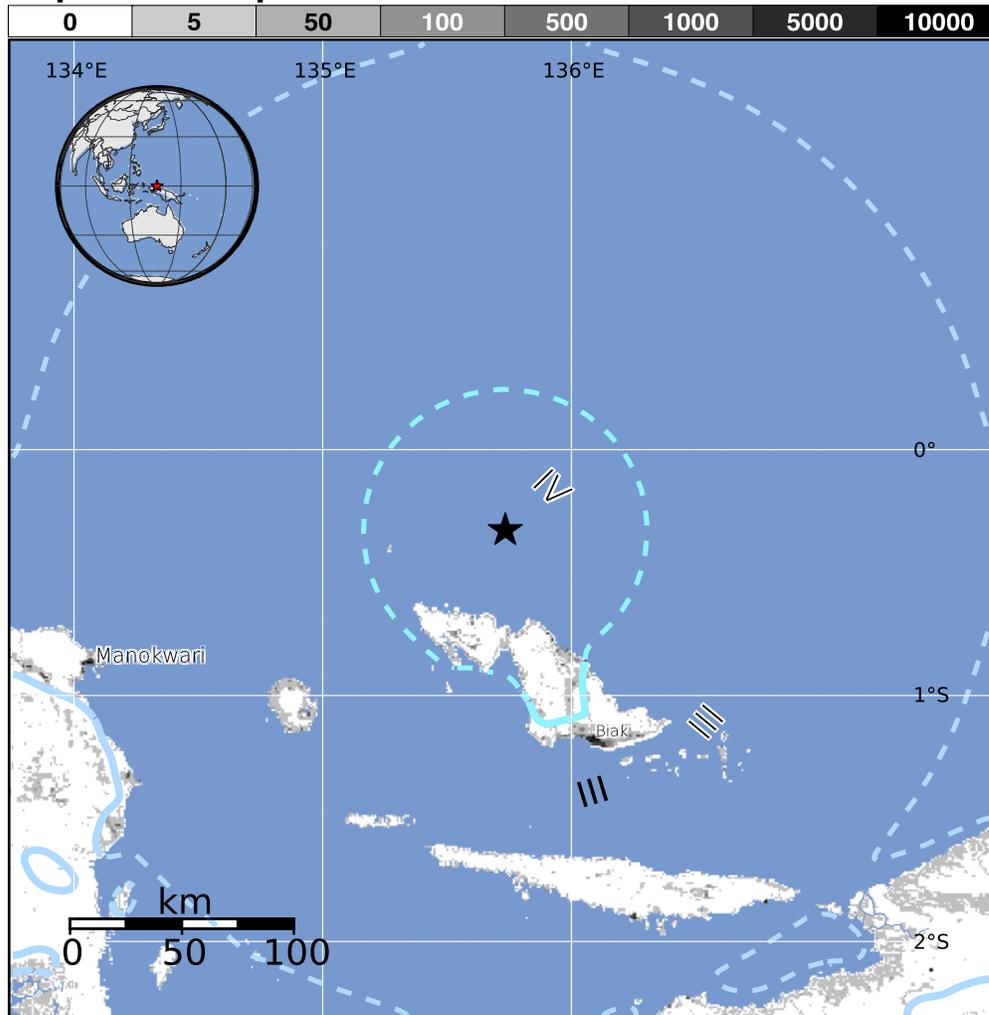
Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | --* | 508k | 36k | 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

population per ~1 sq. km from Landsat



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 |
|------------|------------|------|------------|----------------|
| 1996-02-24 | 192 | 6.2 | V(51k) | 0 |
| 2004-12-01 | 374 | 5.5 | VII(419) | 1 |
| 1996-02-17 | 153 | 8.2 | VIII(155k) | 108 |

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

Selected City Exposure

from GeoNames.org

| MMI City | Population |
|---------------|------------|
| III Insrom | 3k |
| III Biak | 5k |
| III Manokwari | 53k |

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: us10002c8s