

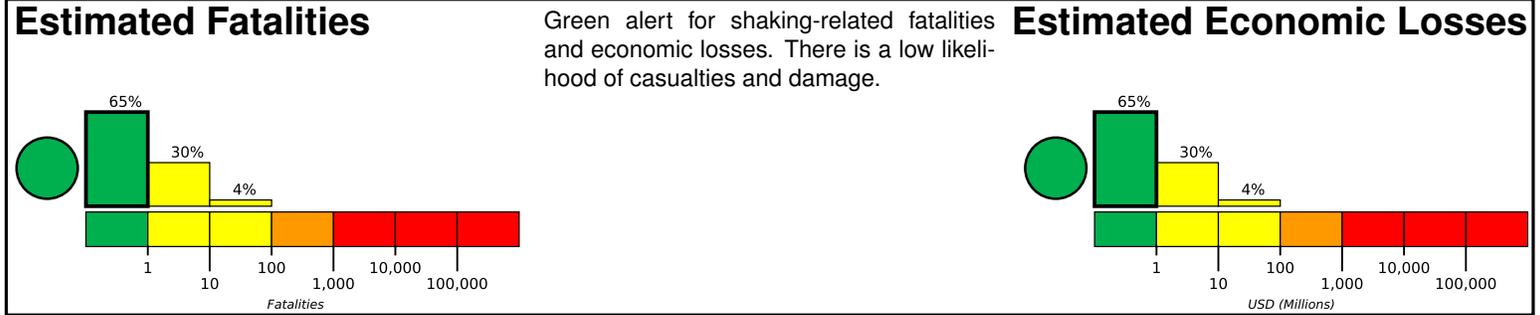
M 6.3, 146 km WSW of Abepura, Indonesia

Origin Time: 2023-12-30 17:16:23 UTC (Sun 02:16:23 local)

Location: 2.9934° S 139.3720° E Depth: 33.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 4 weeks, 4 days after earthquake

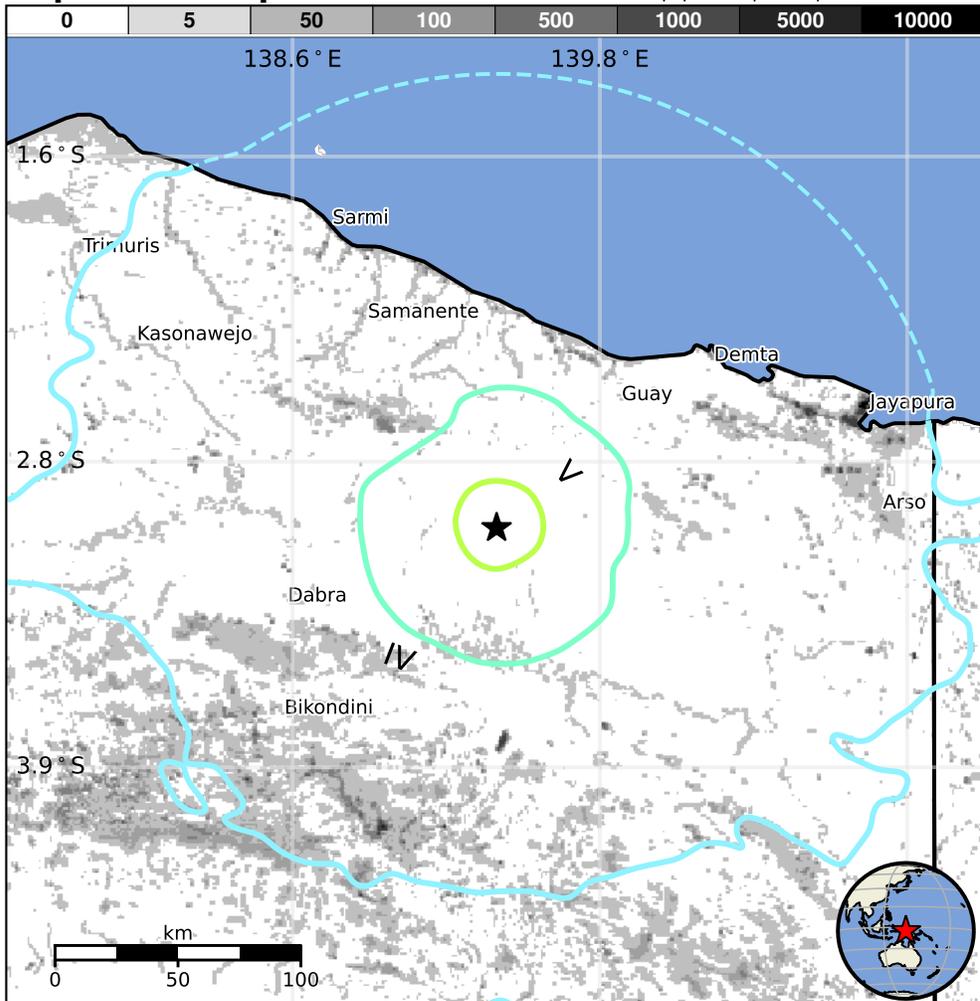


Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|----------|--------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 410k* | 1,123k | 16k | 2k | 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 | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./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 a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unreinforced brick masonry construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1985-09-15 | 364 | 6.3 | VIII(2k) | 10 |
| 1985-09-15 | 382 | 6.3 | VIII(1k) | 10 |
| 1981-01-19 | 169 | 6.6 | IX(1k) | 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 |
|-----|------------------|------------|
| IV | Guay | <1k |
| IV | Armopa | <1k |
| IV | Dabra | <1k |
| IV | Betaf | <1k |
| IV | Elelim | <1k |
| IV | Genyem | <1k |
| IV | Samanente | <1k |
| IV | Kobakma | <1k |
| IV | Depapre | <1k |
| IV | Abepura | 62k |
| IV | Jayapura | 135k |

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000m0n6#pager>

Event ID: us6000m0n6