

M 6.5, 52km NW of Fais, Micronesia

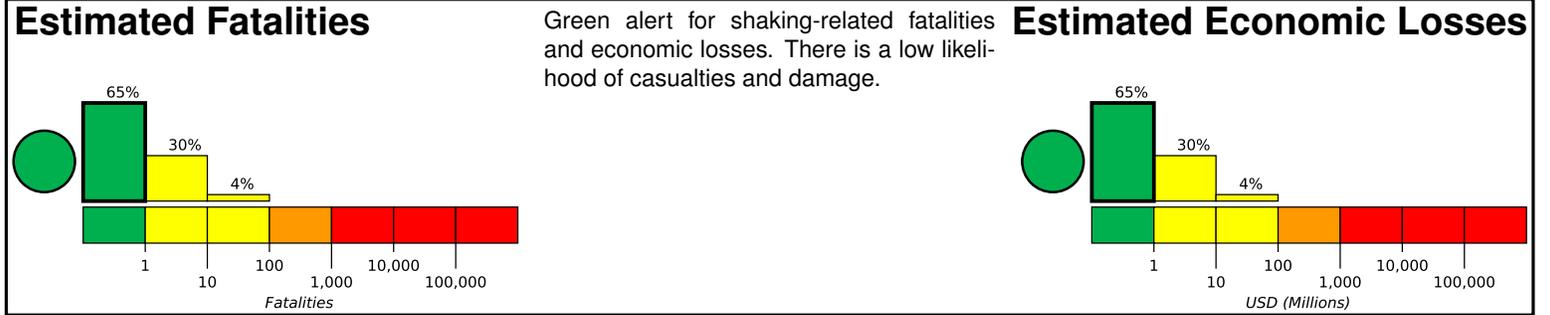
Origin Time: 2017-12-08 00:22:54 UTC (Fri 09:22:54 local)

Location: 10.1223° N 140.2084° E Depth: 13.7 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 2 hours, 7 minutes after earthquake

PAGER Version 3

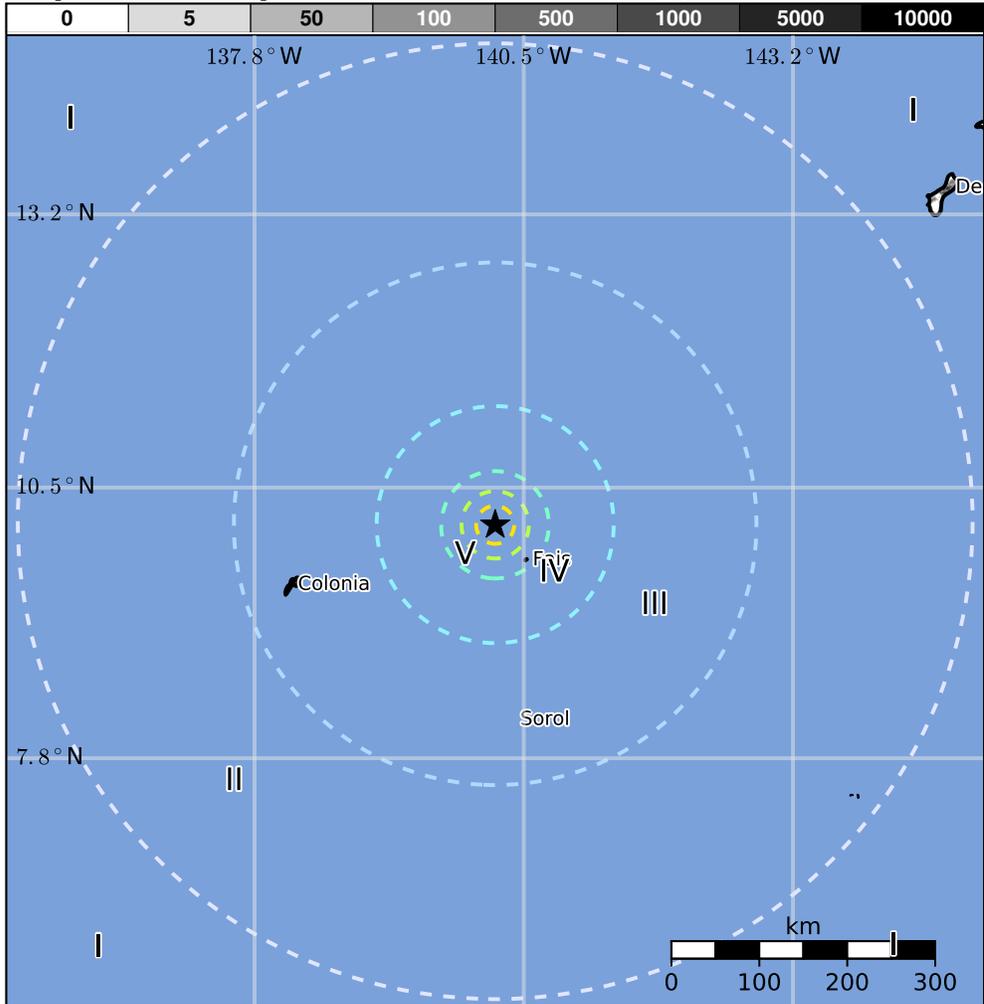


Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|--------|-------|----------|----------|-------------|------------|------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k=x1000) | 162k* | 19k | 0 | 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 | 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 unknown/miscellaneous types construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1993-09-26 | 207 | 6.3 | V(11k) | - |
| 1988-07-03 | 287 | 6.5 | VI(10k) | - |
| 1990-06-13 | 224 | 5.5 | VII(11k) | - |

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-------------------------------|---------------|
| V | Fais | 0 |
| III | Colonia | 7k |
| III | Rumung | <1k |
| III | Sorol | <1k |
| II | Ngulu | <1k |
| II | Eauripik | <1k |
| II | Barrigada Village | 9k |
| I | Tamuning-Tumon-Harmon Village | 20k |
| I | Mangilao Village | 15k |
| I | Dededo Village | 45k |
| I | Yigo Village | 21k |

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.

bold cities appear on map.

(k = x1000)