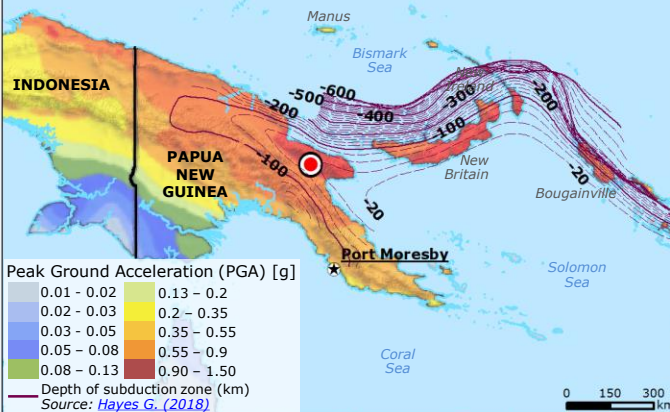


Papua New Guinea | 7.6 M Earthquake of 10 September

Seismic hazard map¹

Source: [Pagani M. et al. \(2018\)](#)



IMPACT OVERVIEW

Source: [UNCT PNG DTM](#) as of 12 Sep

- 7** Fatalities
- 24** Injured people
- 389** Collapsed houses

7.6 M
Depth: 90 km
10 Sep 2022
23:46 UTC
 11 Sep
 9:46 local time
 Source: [GDACS](#)

Significant past earthquakes

Since 1970 with >3 fatalities

Source: [NOAA-NCEI](#)



- EU Civil Protection Mechanism (UCPM) activation²
- EQ-induced tsunami

Population exposure to earthquake intensity

Source: [GDACS](#)

VIII	220 000
VII	950 000
VI	810 000
V	1.4 Million

- Earthquake (EQ) epicentre
Source: [GDACS, USGS](#)
- Focal mechanism
Source: [USGS](#)
- 4.5 – 5.0 M aftershocks
Source: [GDACS, USGS](#)
- VIII Severe shaking
- VII Very strong shaking
- VI Strong shaking
- V Moderate shaking
- Built-up
Source: [JRC-GHSL](#)
- Roads
- Province boundary
- Country boundary
- Ramu hydroelectric power plant (damaged)
Source: [UNCT PNG DTM](#)
- [GDACS Red alert](#)
- Potentially severe disaster with the likelihood of international assistance
- EQ-induced landslide

¹The Seismic Hazard Map depicts Peak Ground Acceleration with a 10% chance of exceedance in 50 years, corresponding to a return period of 475 years.
²One environmental expert seconded to UNDAC.
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