

M 7.5, 89km SSW of Porgera, Papua New Guinea

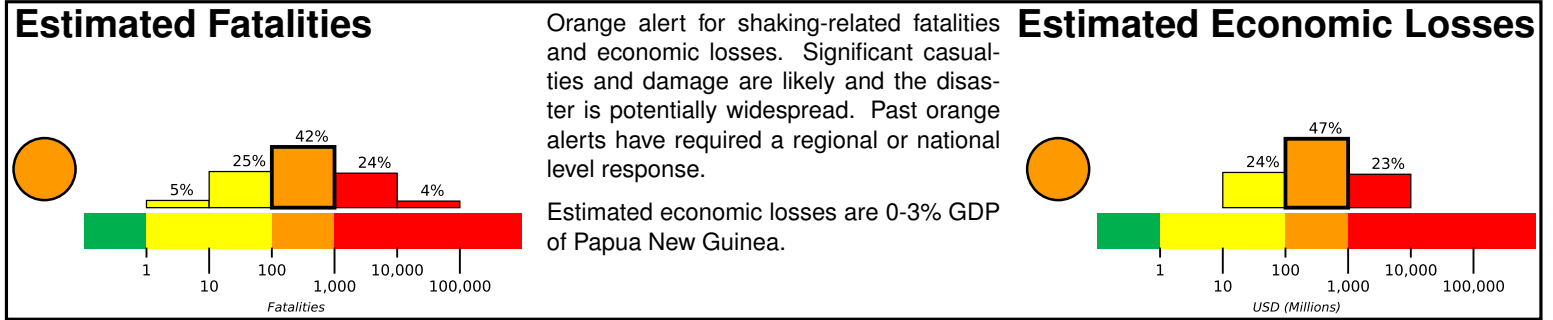
Origin Time: 2018-02-25 17:44:44 UTC (Mon 03:44:44 local)

Location: 6.1488° S 142.7663° E Depth: 35.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER
Version 3

Created: 4 hours, 46 minutes after earthquake

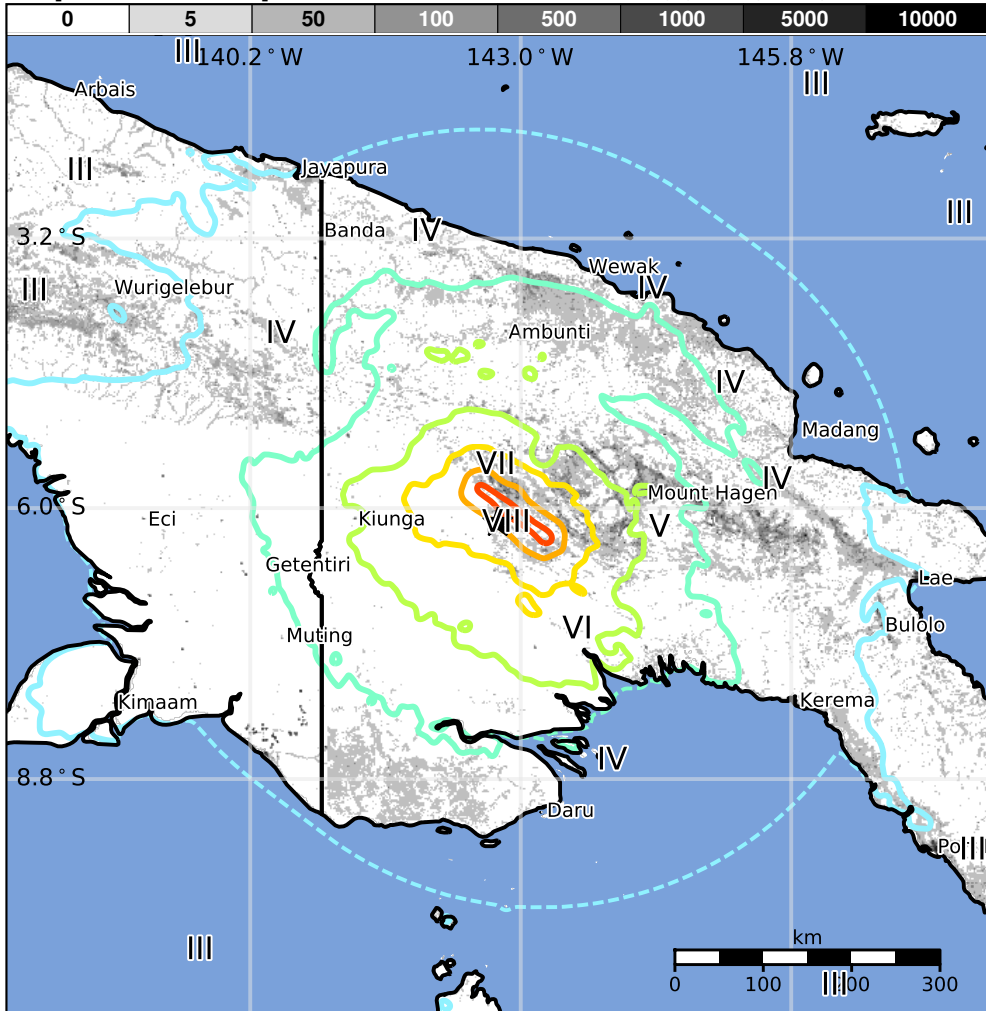


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,387k*	3,583k	1,205k	809k	336k	270k	40k	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 unreinforced brick masonry and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1984-03-27	382	6.4	VIII(4k)	0
1976-10-29	359	6.8	IX(8k)	133
1976-06-25	345	7.1	IX(18k)	422

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	Tari	8k
VI	Mendi	26k
VI	Ialibu	7k
VI	Mount Hagen	34k
VI	Rauna	<1k
VI	Wabag	4k
IV	Goroka	19k
IV	Madang	27k
IV	Lae	76k
IV	Jayapura	135k
III	Port Moresby	284k

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/us2000d7q6#pager>

Event ID: us2000d7q6