

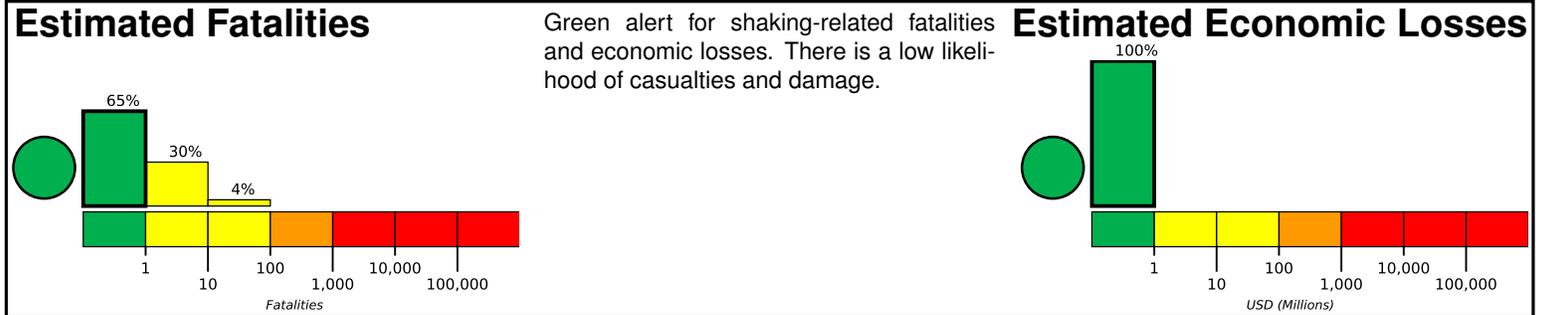
M 7.2, 33km NW of Bulolo, Papua New Guinea

Origin Time: 2019-05-06 21:19:35 UTC (Tue 07:19:35 local)

Location: 6.9767° S 146.4400° E Depth: 126.9 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 2 hours, 3 minutes after earthquake

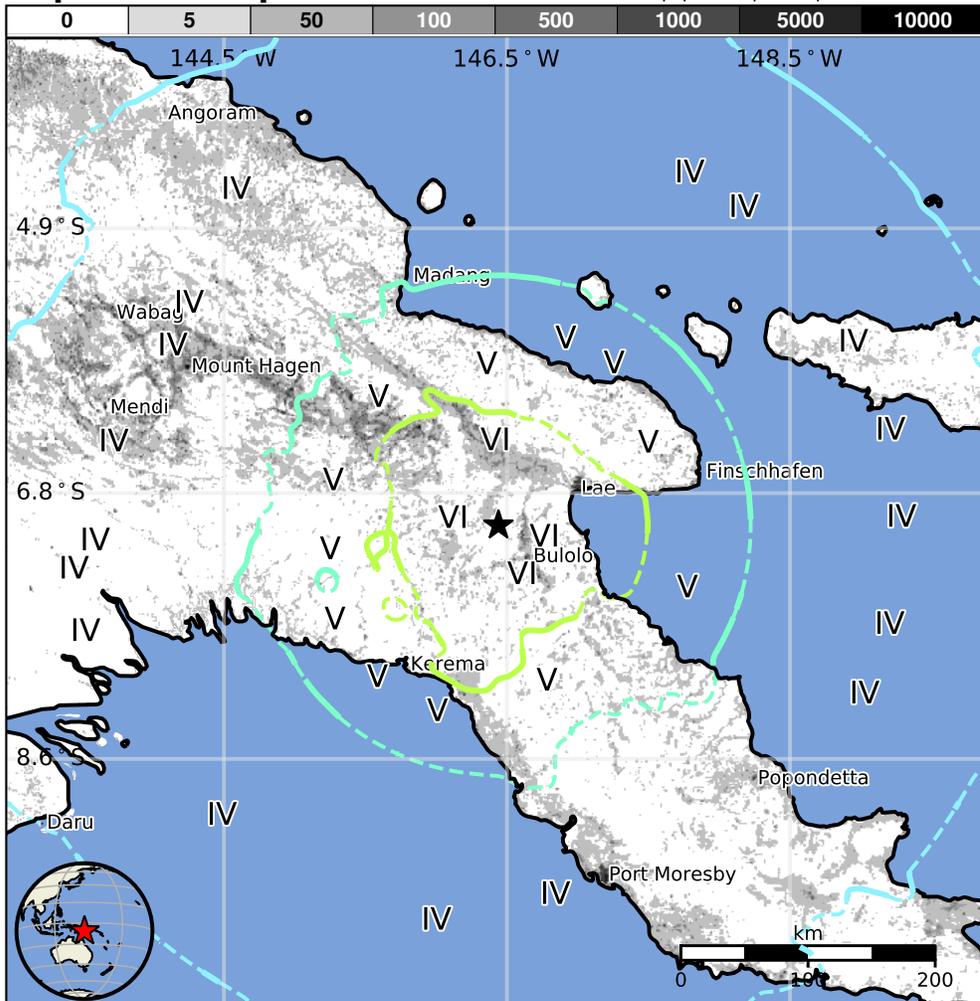


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	372k*	3,251k	913k	761k	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 unreinforced brick masonry and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2005-06-04	82	6.1	VII(27k)	1
1984-03-27	272	6.4	VIII(4k)	0
1993-10-16	123	6.3	VII(75k)	3

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Bulolo	16k
VI	Wau	15k
VI	Lae	76k
VI	Kainantu	9k
V	Kerema	6k
V	Goroka	19k
IV	Madang	27k
IV	Mount Hagen	34k
IV	Popondetta	28k
IV	Mendi	26k
IV	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/us70003hqb#pager>

Event ID: us70003hqb