

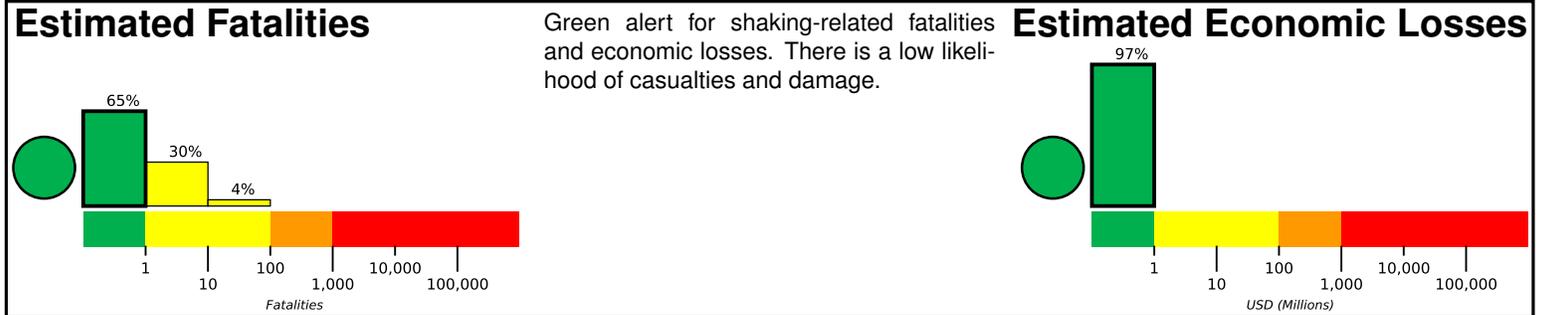
M 6.9, 144km E of Kimbe, Papua New Guinea

Origin Time: 2018-03-29 21:25:36 UTC (Fri 07:25:36 local)

Location: 5.4748° S 151.4420° E Depth: 35.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 35 minutes, 33 seconds after earthquake

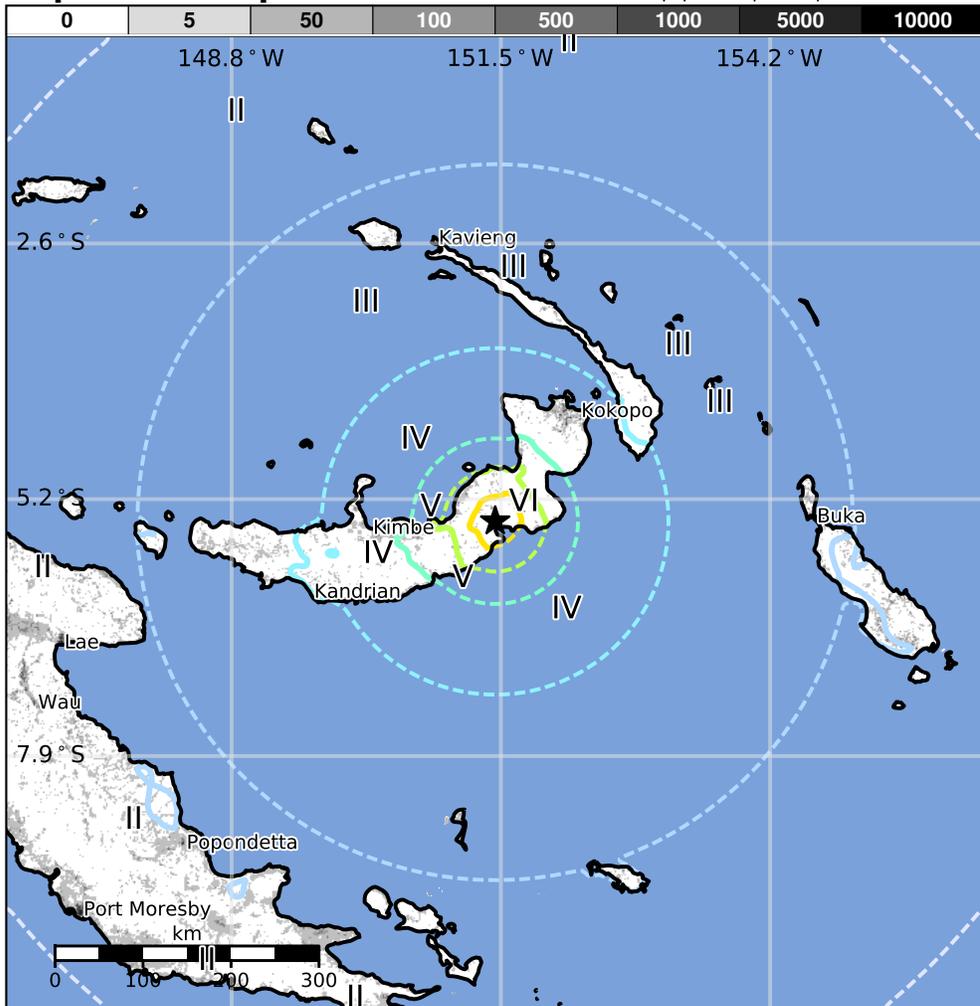


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,972k	361k	42k	38k	8k	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
1985-05-10	44	7.2	VII(28k)	1
2000-11-16	188	8.0	VIII(131k)	1
1983-12-21	50	6.2	VII(5k)	10

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	Kokopo	26k
IV	Kimbe	19k
IV	Rabaul	8k
III	Kandrian	1k
III	Kavieng	14k
III	Buka	<1k
II	Lae	76k
II	Popondetta	28k
II	Alotau	10k
II	Lorengau	6k
II	Port Moresby	284k

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/us1000db40#pager>

bold cities appear on map.

(k = x1000)

Event ID: us1000db40