

**M 7.3, NEW BRITAIN REGION, PAPUA NEW GUINEA**

Origin Time: Sun 2010-07-18 13:34:59 UTC (23:34:59 local)

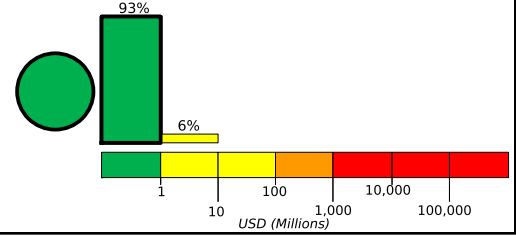
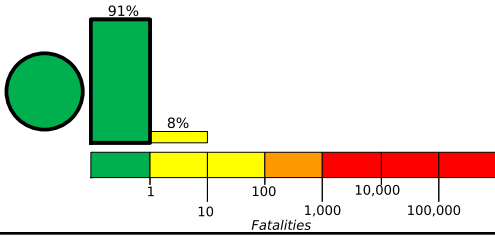
Location: 5.94°S 150.57°E Depth: 35 km

Created: 9 weeks, 5 days after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**



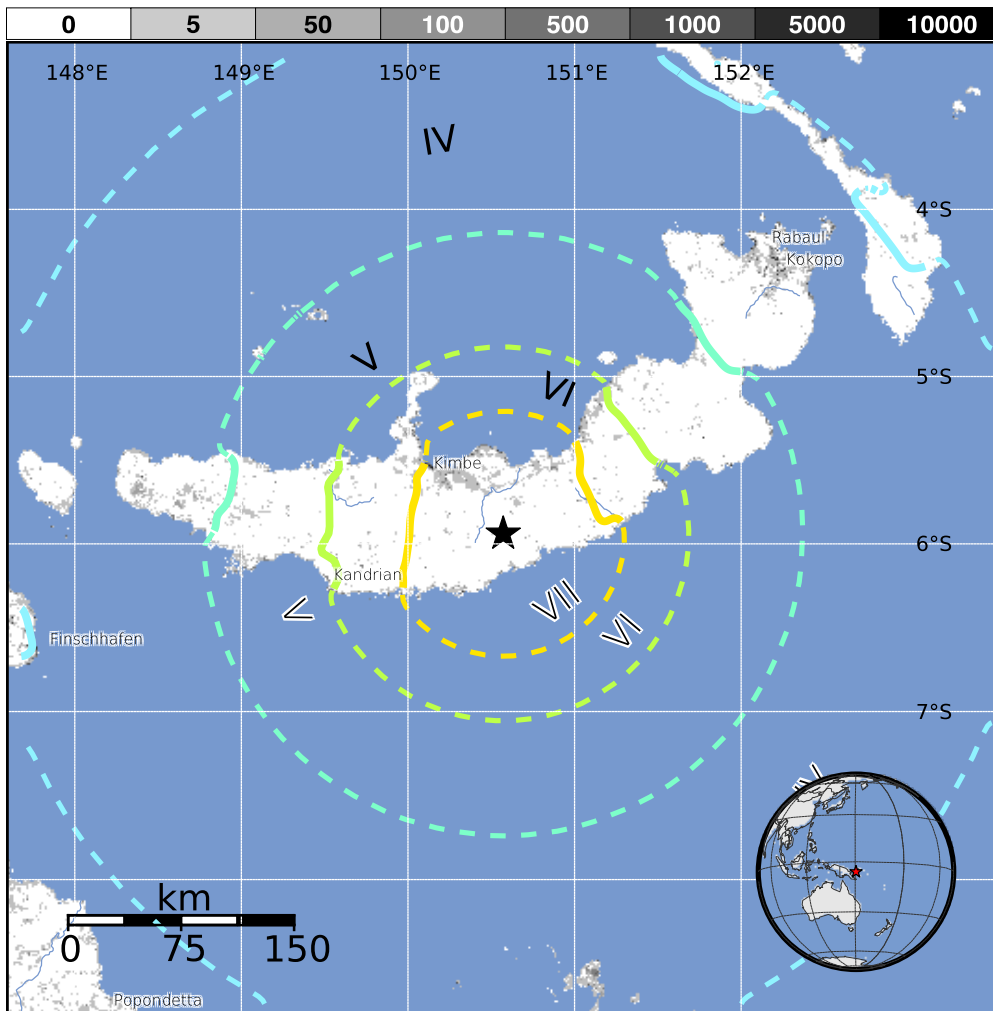
**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	- - *	59k*	333k	62k	52k	112k	61	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	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**

population per ~1 sq. km from Landscan



**Structures:**

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unreinforced brick masonry and informal (metal, timber, GI etc.) construction.

**Historical Earthquakes (with MMI levels):**

Date	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1992-12-18	375	6.1	VII(125k)	0
1985-05-10	66	7.2	VII(28k)	1
1983-12-21	156	6.2	VII(5k)	10

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
<b>VI</b>	<b>Kimbe</b>	<b>19k</b>
<b>V</b>	<b>Kandrian</b>	<b>1k</b>
<b>IV</b>	<b>Rabaul</b>	<b>8k</b>
<b>IV</b>	<b>Kokopo</b>	<b>26k</b>
<b>III</b>	<b>Namatani</b>	<b>1k</b>
<b>III</b>	<b>Finschhafen</b>	<b>1k</b>
<b>III</b>	<b>Popondetta</b>	<b>28k</b>

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and does not consider secondary hazards in loss calculations. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/pager>

Event ID: us2010ywbr