

# M 5.4, PAPUA, INDONESIA

Origin Time: Sun 2013-07-21 13:00:23 UTC (22:00:23 local)

Location: 3.48°S 135.40°E Depth: 36 km

Created: 3 hours, 2 minutes after earthquake

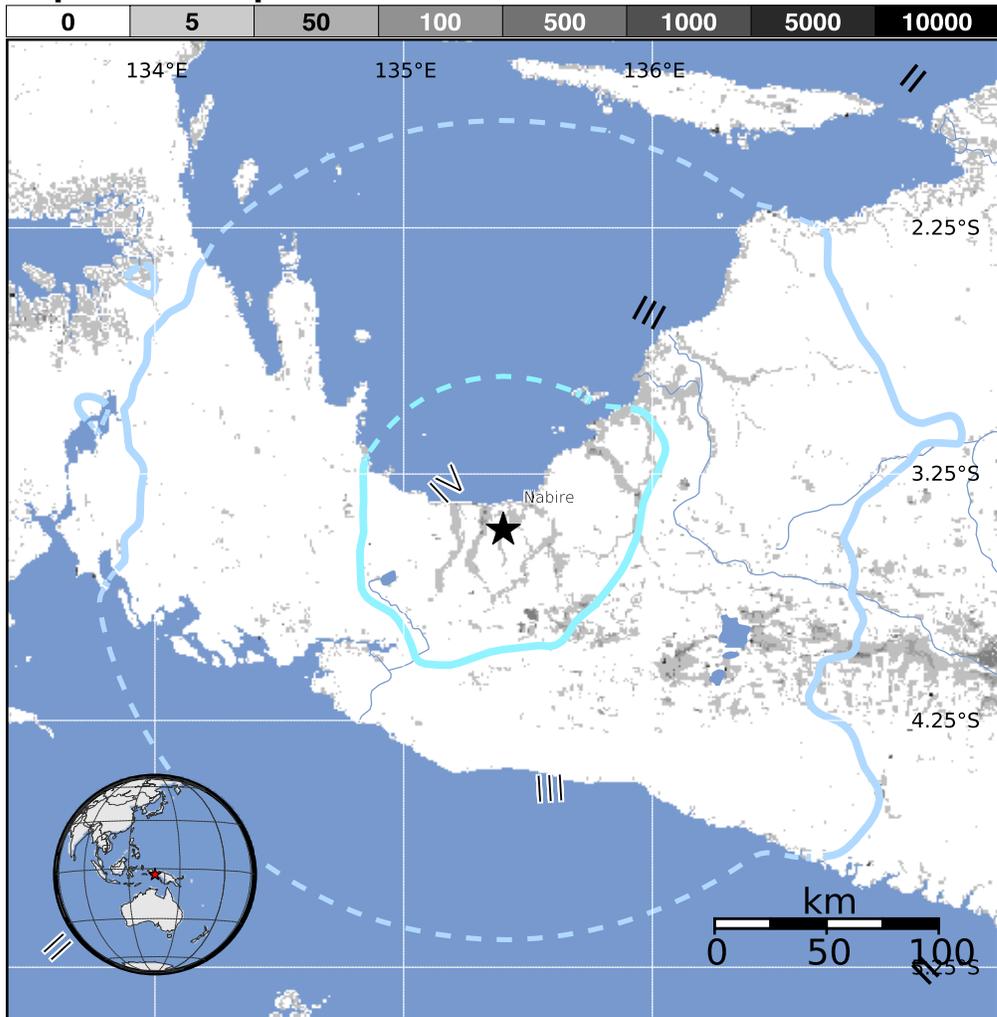


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	488k	86k	0	0	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	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



### Structures:

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1978-04-03	225	6.3	V(17k)	0
2004-12-01	33	5.5	VII(419)	1
1996-02-17	333	8.2	VIII(155k)	108

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

## Selected City Exposure

from GeoNames.org

MMI City	Population
<b>IV Nabire</b>	<b>44k</b>

bold cities appear on map

(k = x1000)