

M 5.8, MOLUCCA SEA

Origin Time: Thu 2015-08-20 11:00:09 UTC (11:00:09 local)

Location: 0.49°N 126.59°E Depth: 46 km

Created: 13 weeks, 4 days after earthquake

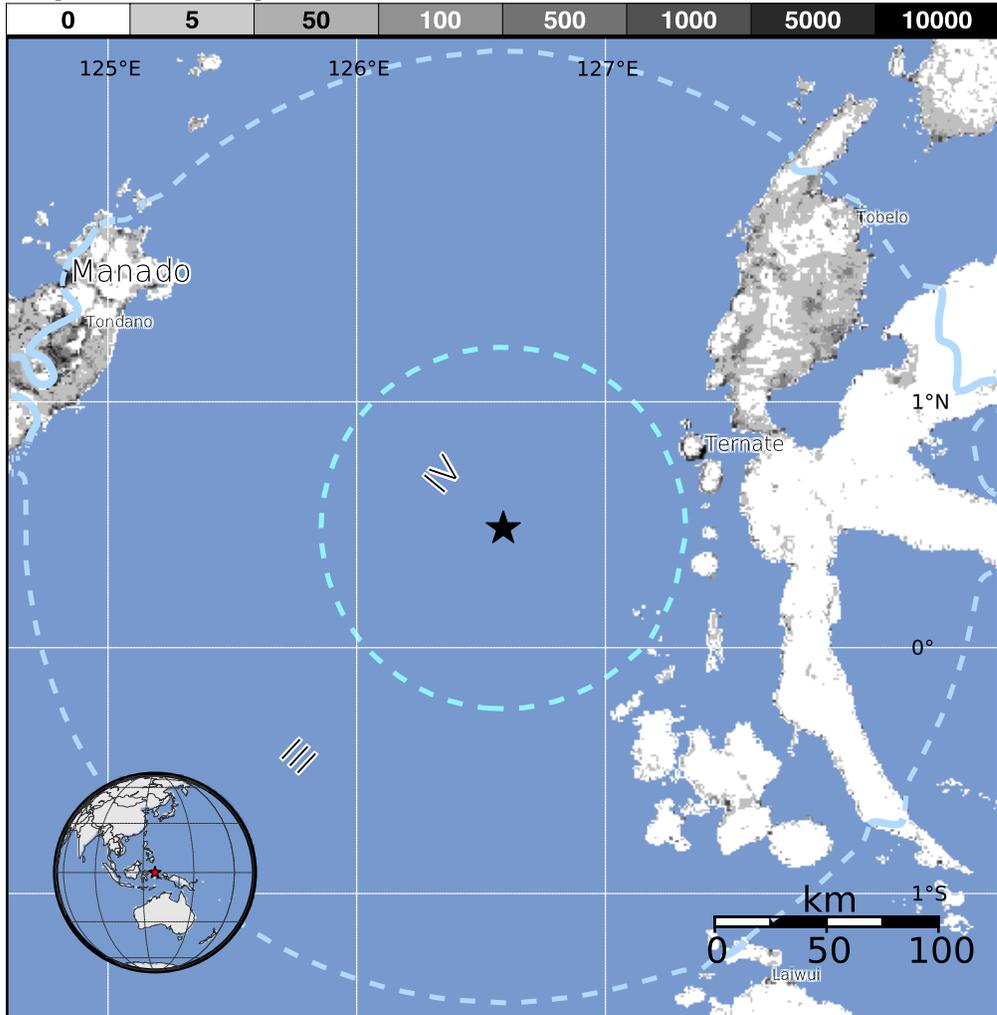


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2,414k	8k	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
1979-05-18	72	6.3	V(3k)	0
2007-01-21	74	7.5	VI(283k)	3
2000-05-04	390	7.5	VIII(17k)	46

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Kota Ternate	< 1k
III	Ternate	102k
III	Tondano	33k
III	Bitung	137k
III	Manado	452k
III	Tobelo	10k
III	Tomohon	28k
II	Laiwui	< 1k

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.

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