

M 5.7, MOLUCCA SEA

Origin Time: Tue 2014-12-09 03:09:22 UTC (11:09:22 local)

Location: 1.54°N 126.23°E Depth: 40 km

Created: 7 weeks, 0 days after earthquake

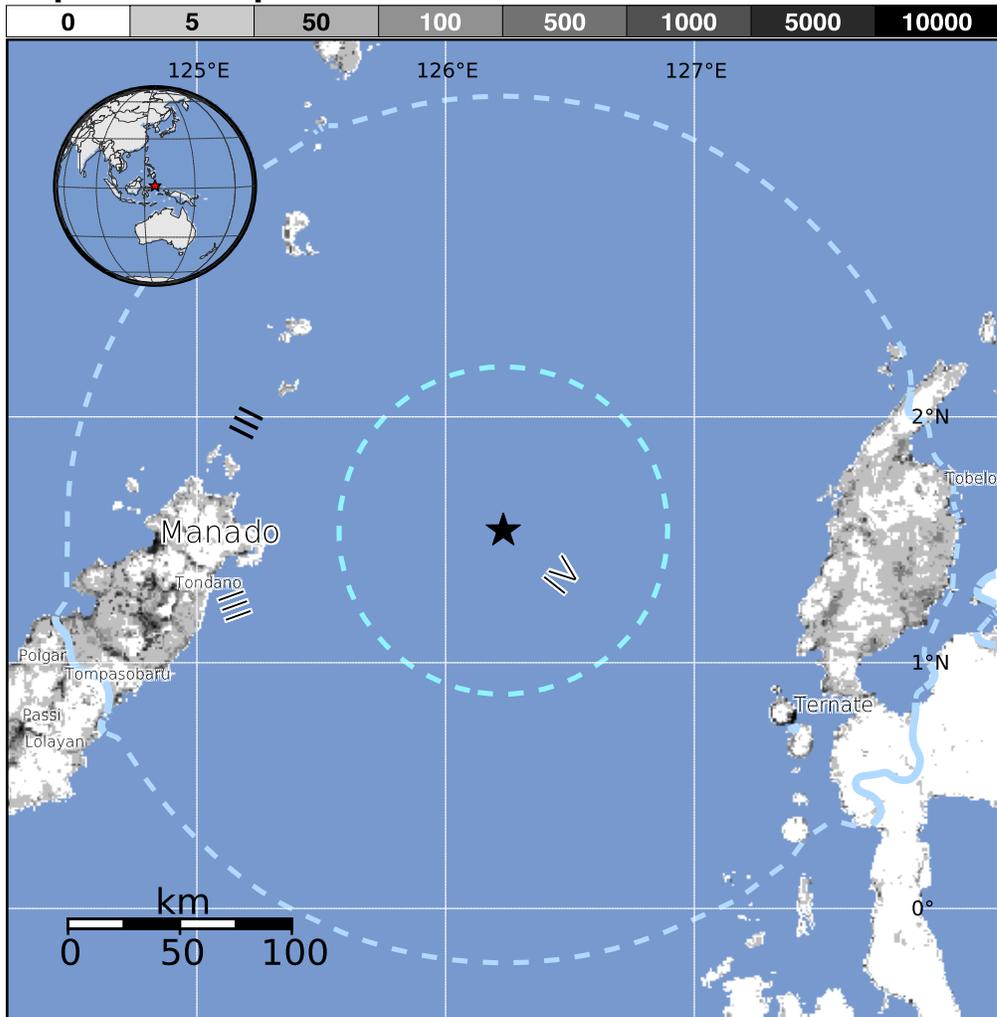


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2,752k	0	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	119	6.3	V(3k)	0
2007-01-21	57	7.5	VI(283k)	3
1994-01-21	170	6.9	IX(28k)	7

Selected City Exposure

from GeoNames.org

MMI City	Population
III Bitung	137k
III Tondano	33k
III Manado	452k
III Tomohon	28k
III Tompasobaru	< 1k
III Ternate	102k
III Tobelo	10k
II Poigar	< 1k
II Passi	< 1k
II Kotamobagu	< 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>