

M 6.5, MOLUCCA SEA

Origin Time: Fri 2014-11-21 10:10:19 UTC (18:10:19 local)

Location: 2.30°N 127.06°E Depth: 35 km

Created: 12 weeks, 3 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



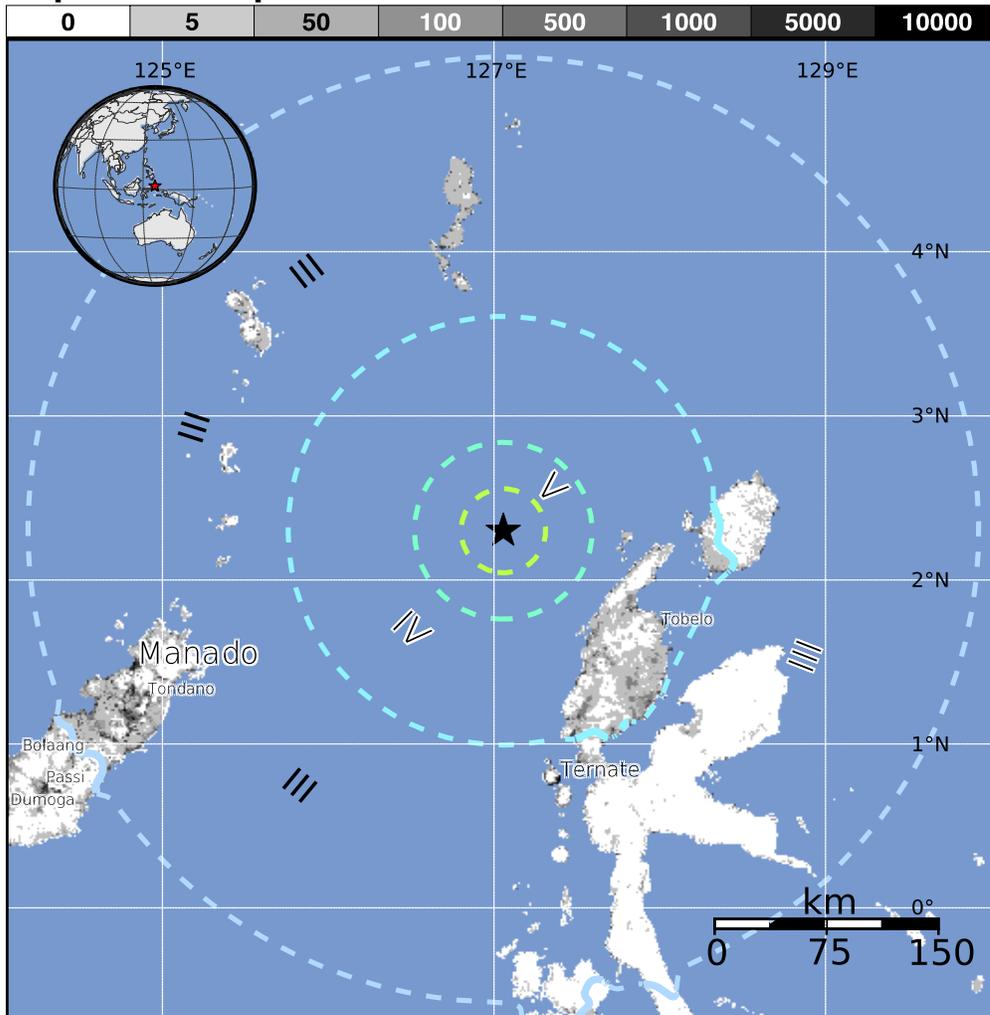
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2,705k	531k	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

population per ~1 sq. km from Landsat



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
1999-06-25	198	5.5	V(196k)	0
2007-01-21	148	7.5	VI(283k)	3
1994-01-21	153	6.9	IX(28k)	7

Selected City Exposure

from GeoNames.org

MMI City	Population
IV Tobelo	10k
III Manado	452k
III Bitung	137k
III Tondano	33k
III Ternate	102k
III Kota Ternate	< 1k
III Tomohon	28k
III Poigar	< 1k
III Tompasobaru	< 1k
III Dumoga	< 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>

Event ID: usb000syhz