

M 5.2, MOLUCCA SEA

Origin Time: Fri 2015-10-02 15:51:53 UTC (23:51:53 local)

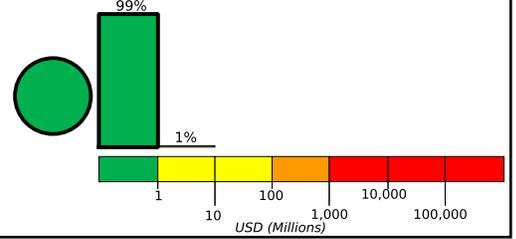
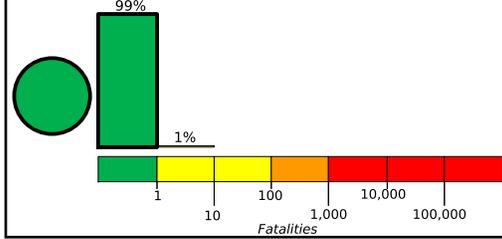
Location: 1.31°N 125.01°E Depth: 109 km

Created: 7 weeks, 0 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

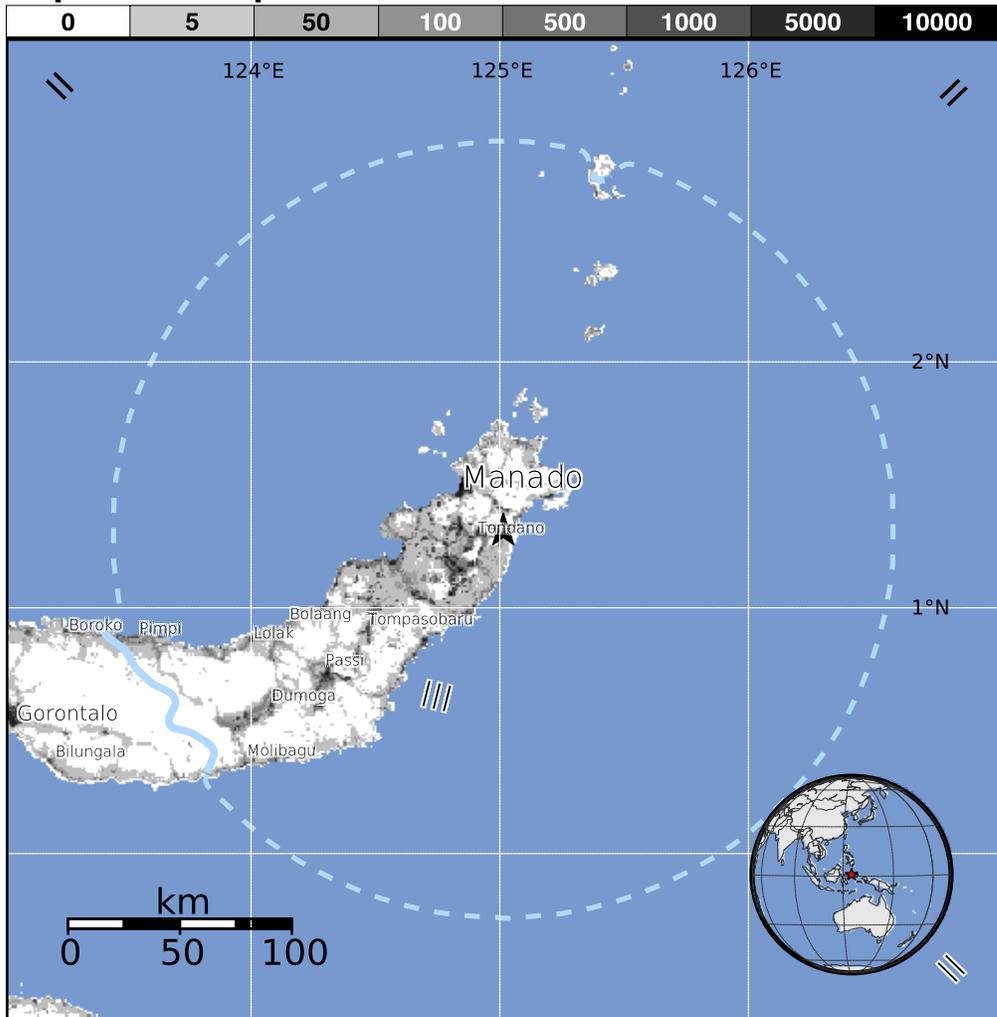


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	2,337k	69k	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	125	6.3	V(3k)	0
2007-01-21	145	7.5	VI(283k)	3
2000-05-04	315	7.5	VIII(17k)	46

Selected City Exposure

from GeoNames.org

MMI City	Population
IV Tondano	33k
III Manado	452k
III Bitung	137k
III Tomohon	28k
III Tompasobaru	< 1k
III Poigar	< 1k
III Lolak	< 1k
III Dumoga	< 1k
III Passi	< 1k
III Gorontalo	144k

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>