

M 6.1, KALIMANTAN, INDONESIA

Origin Time: Sun 2015-12-20 18:47:36 UTC (02:47:36 local)

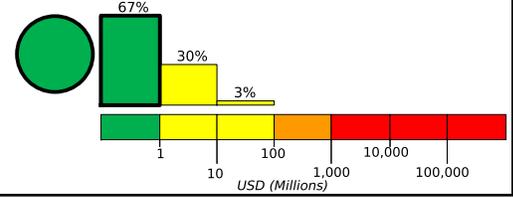
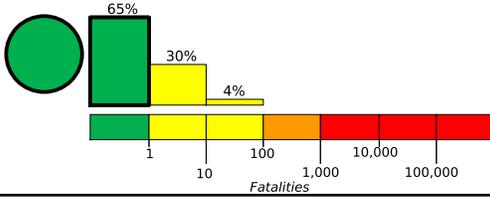
Location: 3.65°N 117.64°E Depth: 14 km

Created: 6 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

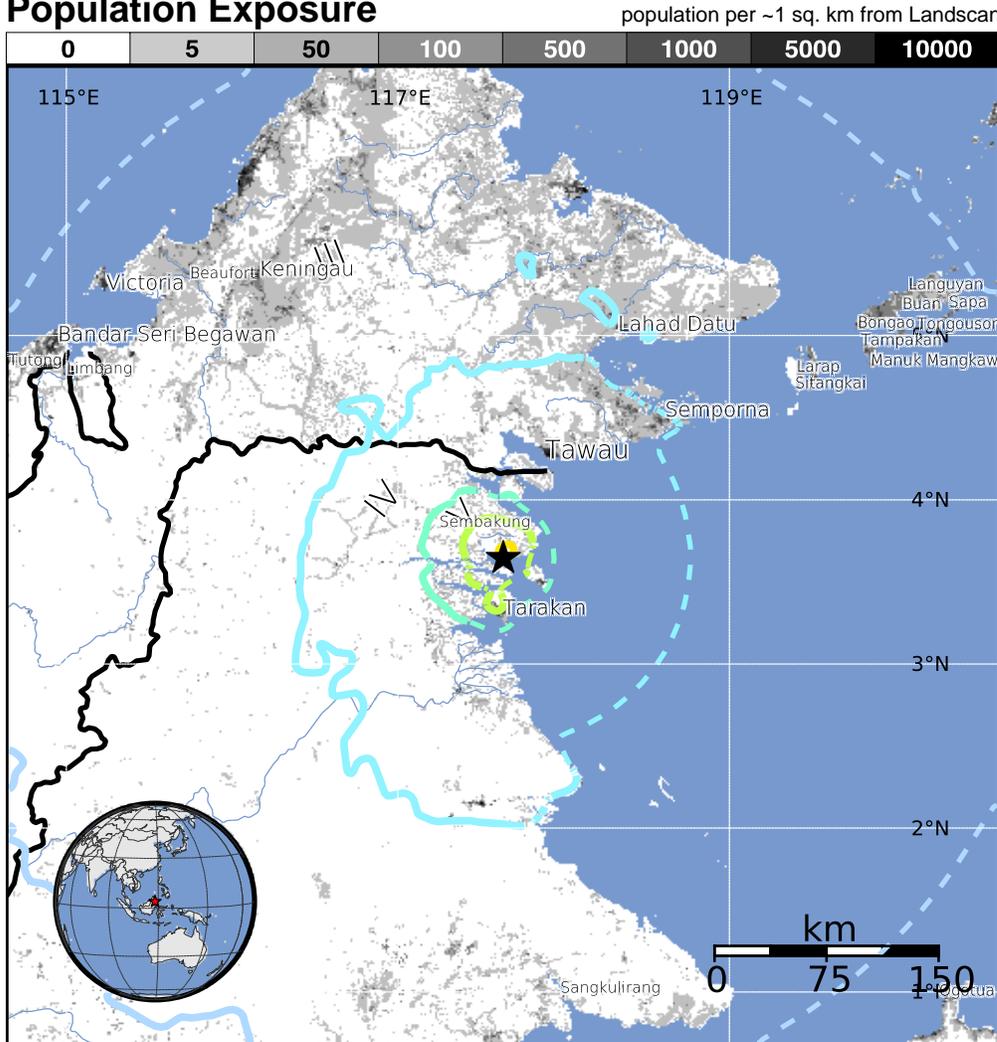


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	4,066k*	1,062k	54k	183k	1k	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
1995-03-06	120	6.0	VI(499)	0
1978-09-26	399	5.6	VII(2k)	0
1996-09-10	397	5.8	VII(9k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Tarakan	97k
V	Sembakung	8k
IV	Tawau	306k
III	Lahad Datu	106k
III	Semporna	63k
III	Larap	4k
III	Putatan	78k
III	Kota Kinabalu	457k
III	Sandakan	392k
III	Victoria	74k

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/earthquakes/eventpage/us100048hc>