Earthquake Shaking Green Alert

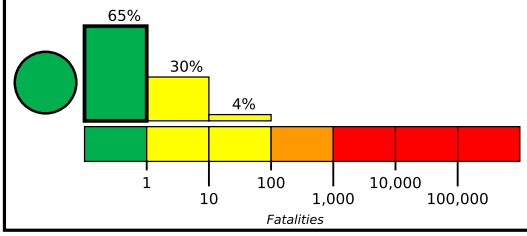
M 6.7, 94 km SE of Sarangani, Philippines

Origin Time: 2024-01-08 20:48:42 UTC (Tue 04:48:42 local)
Location: 4.9093° N 126.1564° E Depth: 64.4 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

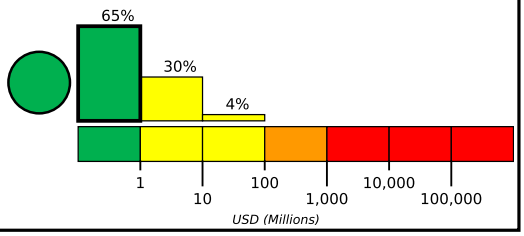
PAGER Version 6
Created: 1 week, 5 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses



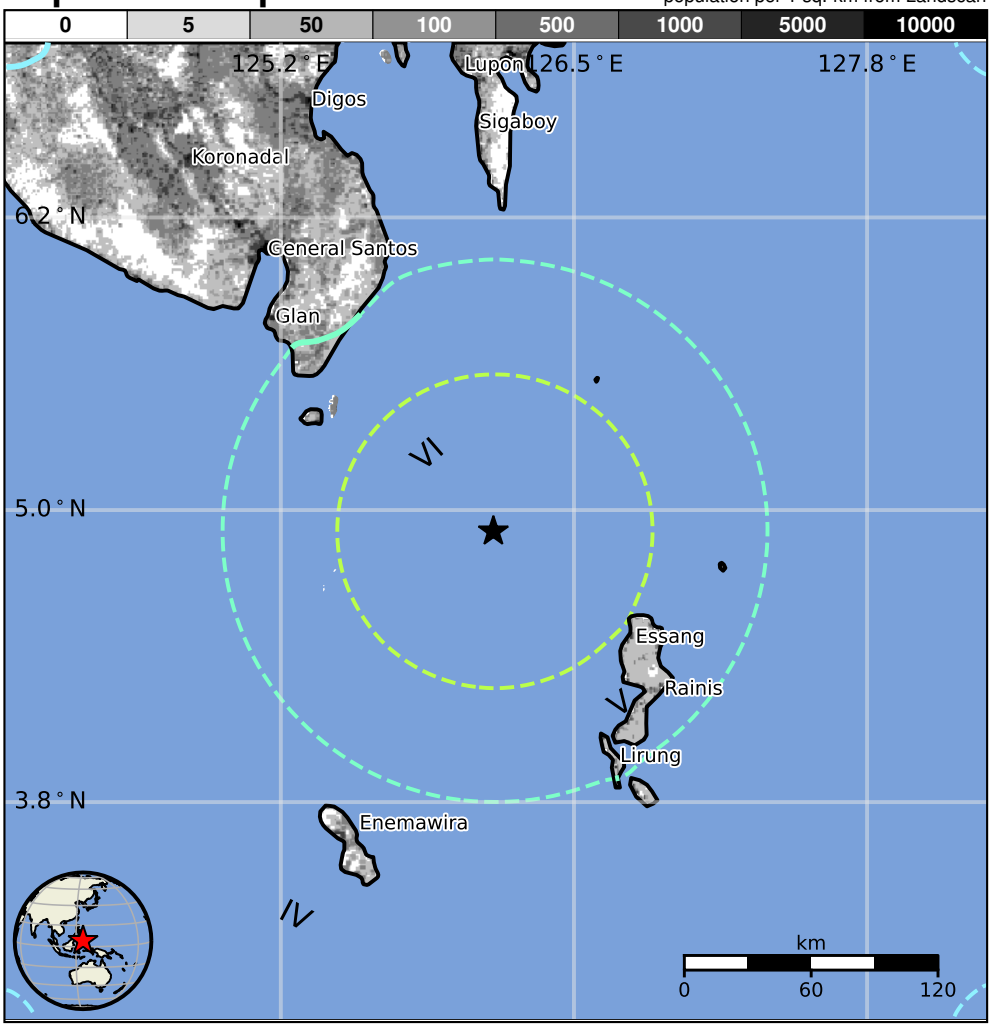
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	18k*	5,705k	323k	6k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-05-23	354	5.7	VII(70k)	1
1987-05-18	384	6.2	VIII(12k)	1
2002-03-05	248	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	**Essang**	**<1k**
V	Sarangani	8k
V	Beo	<1k
V	**Rainis**	**<1k**
V	Bukid	2k
V	Butulan	2k
IV	**General Santos**	**680k**
IV	**Digos**	**116k**
IV	Polomolok	64k
IV	**Koronadal**	**126k**
IV	Mati	106k

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.

https://earthquake.usgs.gov/earthquakes/eventpage/us6000m2jp#pager

Event ID: us6000m2jp