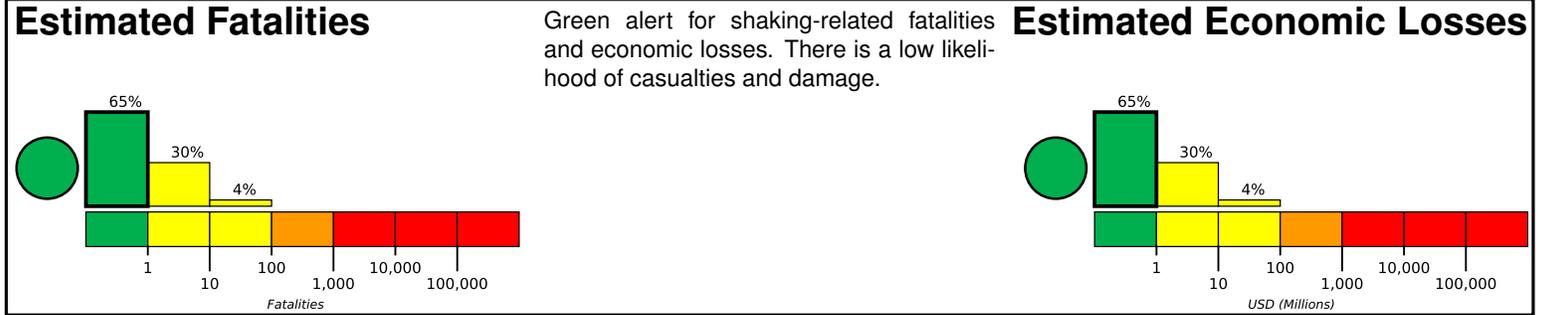


# M 6.3, 63 km ENE of Barcelona, Philippines

Origin Time: 2023-12-02 18:09:25 UTC (Sun 02:09:25 local)  
 Location: 8.4402° N 126.9387° E Depth: 46.4 km

**PAGER**  
Version 8

Created: 8 weeks, 3 days after earthquake

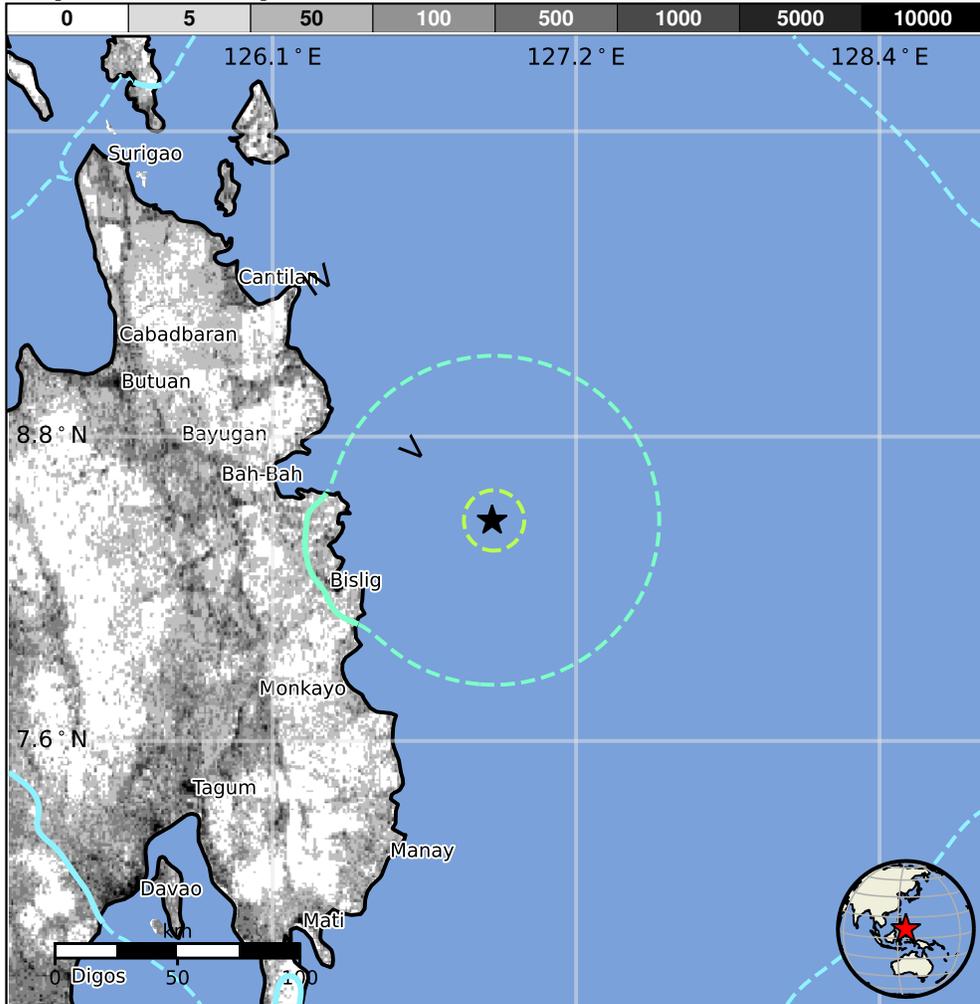


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	508k*	7,705k	197k	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	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



## 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	167	5.7	VII(70k)	1
1990-02-08	293	6.7	VIII(96k)	1
1989-12-15	28	7.5	VIII(1k)	2

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Hinatuan	10k
V	Tidman	3k
V	Barcelona	4k
V	Bigaan	3k
V	<b>Bislig</b>	<b>68k</b>
V	Lingig	6k
IV	<b>Butuan</b>	<b>310k</b>
IV	Libertad	250k
IV	Magugpo	233k
IV	<b>Davao</b>	<b>1,213k</b>
IV	<b>Digos</b>	<b>116k</b>

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.

bold cities appear on map.

(k = x1000)