

M 7.0, 11 km NE of Bantay, Philippines

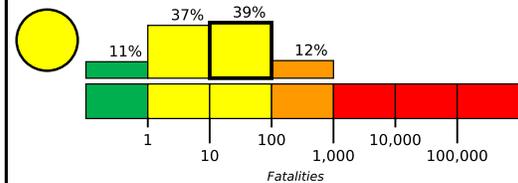
Origin Time: 2022-07-27 00:43:26 UTC (Wed 08:43:26 local)
Location: 17.5207° N 120.8181° E Depth: 33.7 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER
Version 10

Created: 4 weeks, 6 days after earthquake

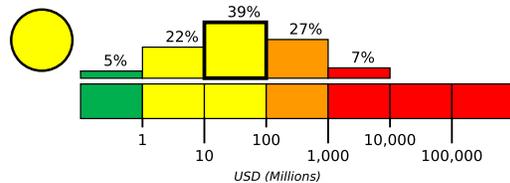
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Philippines.

Estimated Economic Losses

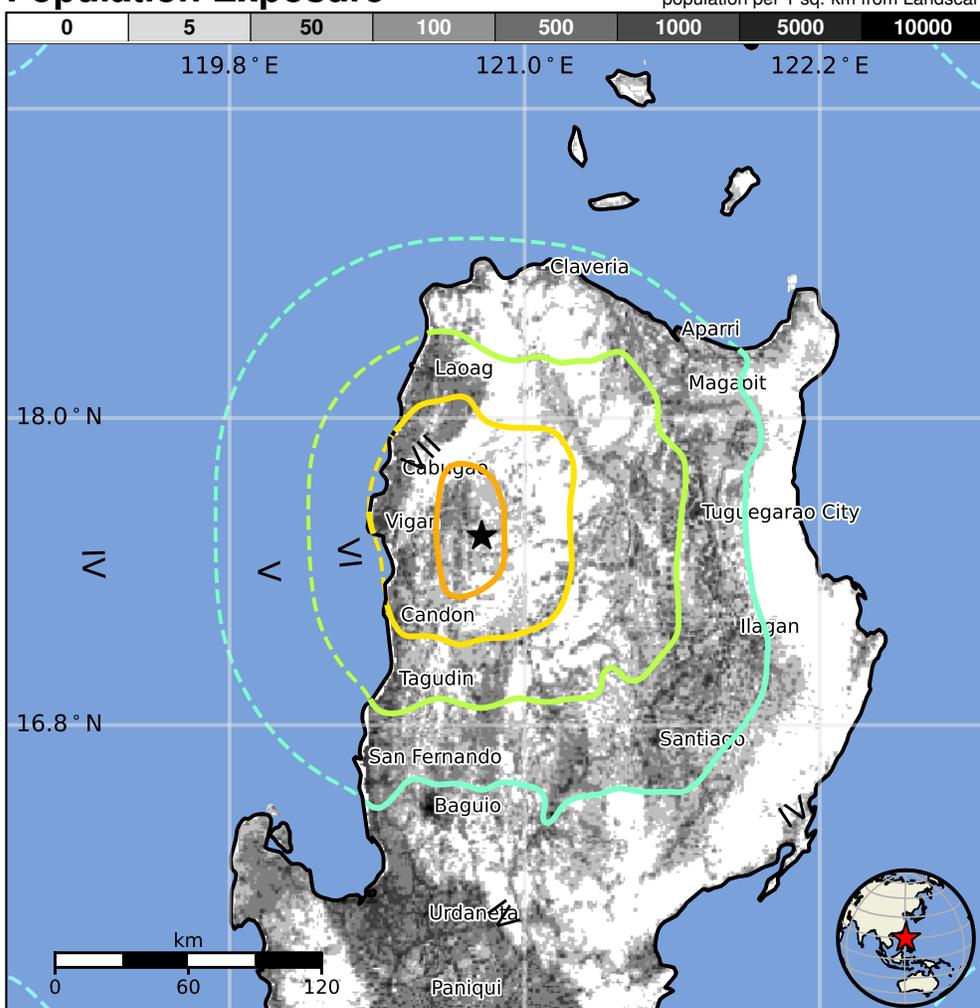


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	—*	7,648k	3,899k	1,639k	1,014k	171k	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
1983-08-17	78	6.6	VIII(190k)	16
1985-04-24	108	6.1	VIII(21k)	6
1990-07-16	203	7.7	IX(893k)	2k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	Dolores	2k
VIII	Lagayan	<1k
VIII	Bucay	<1k
VIII	San Ramon	4k
VIII	San Juan	<1k
VIII	Lagangilang	<1k
V	Tuguegarao	115k
V	San Fernando	83k
IV	Baguio	273k
IV	Cabanatuan City	220k
IV	Tarlac City	184k

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/us6000i5rd#pager>

Event ID: us6000i5rd