

M 7.6, PHILIPPINE ISLANDS REGION

Origin Time: Fri 2012-08-31 12:47:34 UTC (20:47:34 local)

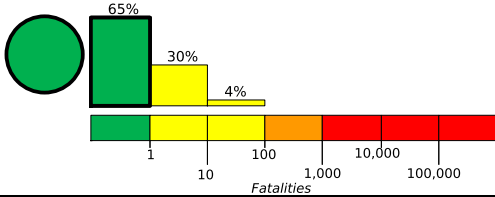
Location: 10.84°N 126.70°E Depth: 34 km

FOR TSUNAMI INFORMATION, SEE: tsunami.noaa.gov

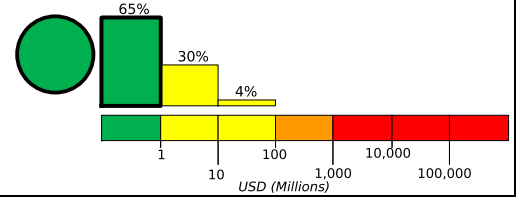
Created: 1 hour, 9 minutes after earthquake

Estimated Fatalities

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



Estimated Economic Losses



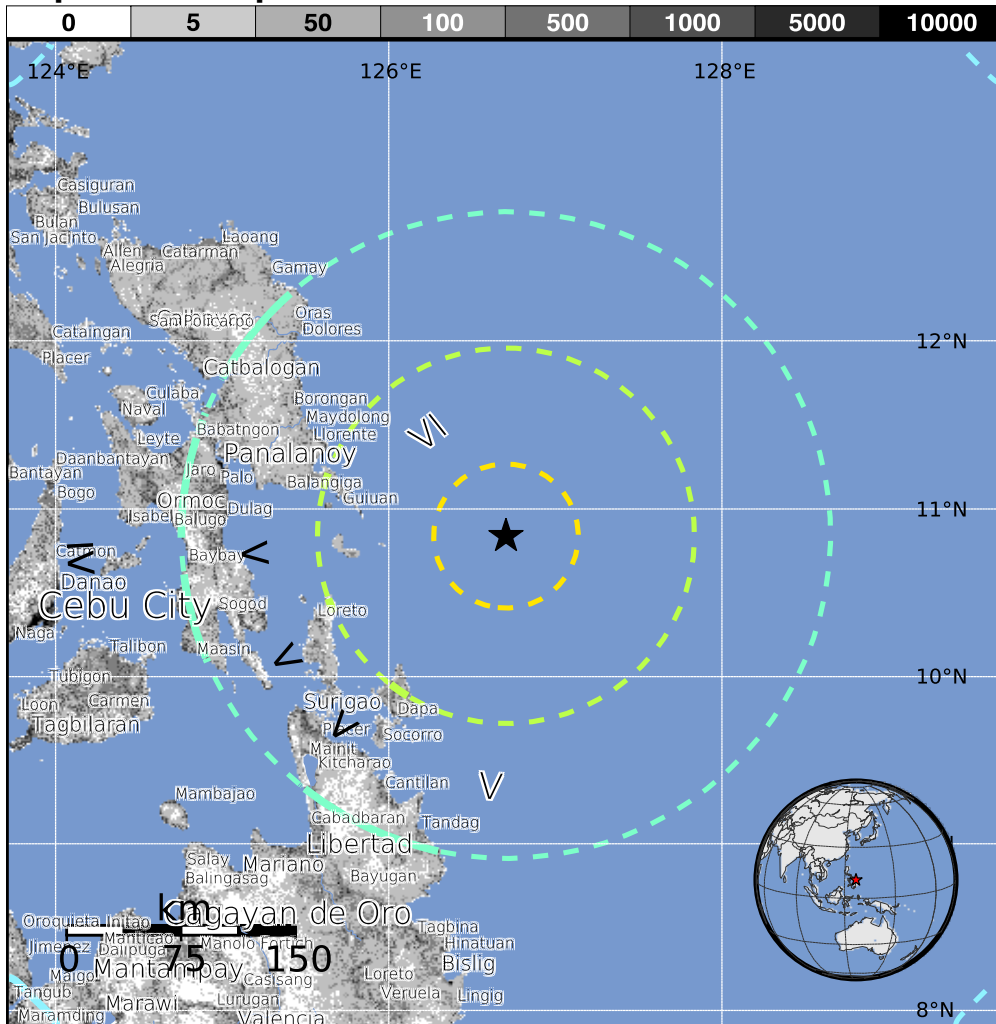
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	271k*	15,446k	3,094k	117k	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

population per ~1 sq. km from Landsat



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 reinforced concrete and heavy wood frame construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1995-07-12	245	5.8	VII(236k)	0
1987-05-23	338	5.7	VII(70k)	1
1989-12-15	274	7.5	VIII(1k)	2

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Sulangan	3k
VI	Guiuan	11k
VI	Santa Monica	2k
VI	Salcedo	4k
VI	San Benito	2k
V	Pilar	2k
IV	Libertad	250k
IV	Mandaue City	289k
IV	Cebu City	799k
IV	Cagayan de Oro	445k
IV	Mantampay	265k

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>

Event ID: usc000cc5m