

M 7.1, BOHOL, PHILIPPINES

Origin Time: Tue 2013-10-15 00:12:32 UTC (08:12:32 local)

Location: 9.88°N 124.12°E Depth: 19 km

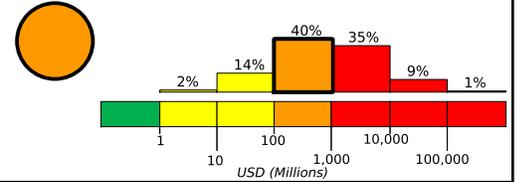
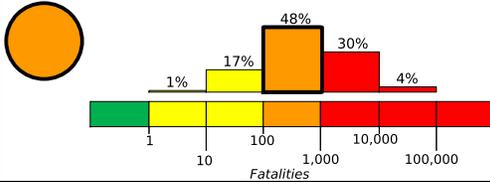
Created: 10 weeks, 6 days after earthquake

Estimated Fatalities

Orange alert for shaking-related fatalities and economic losses. Significant casualties and damage are likely and the disaster is potentially widespread. Past orange alerts have required a regional or national level response.

Estimated Economic Losses

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

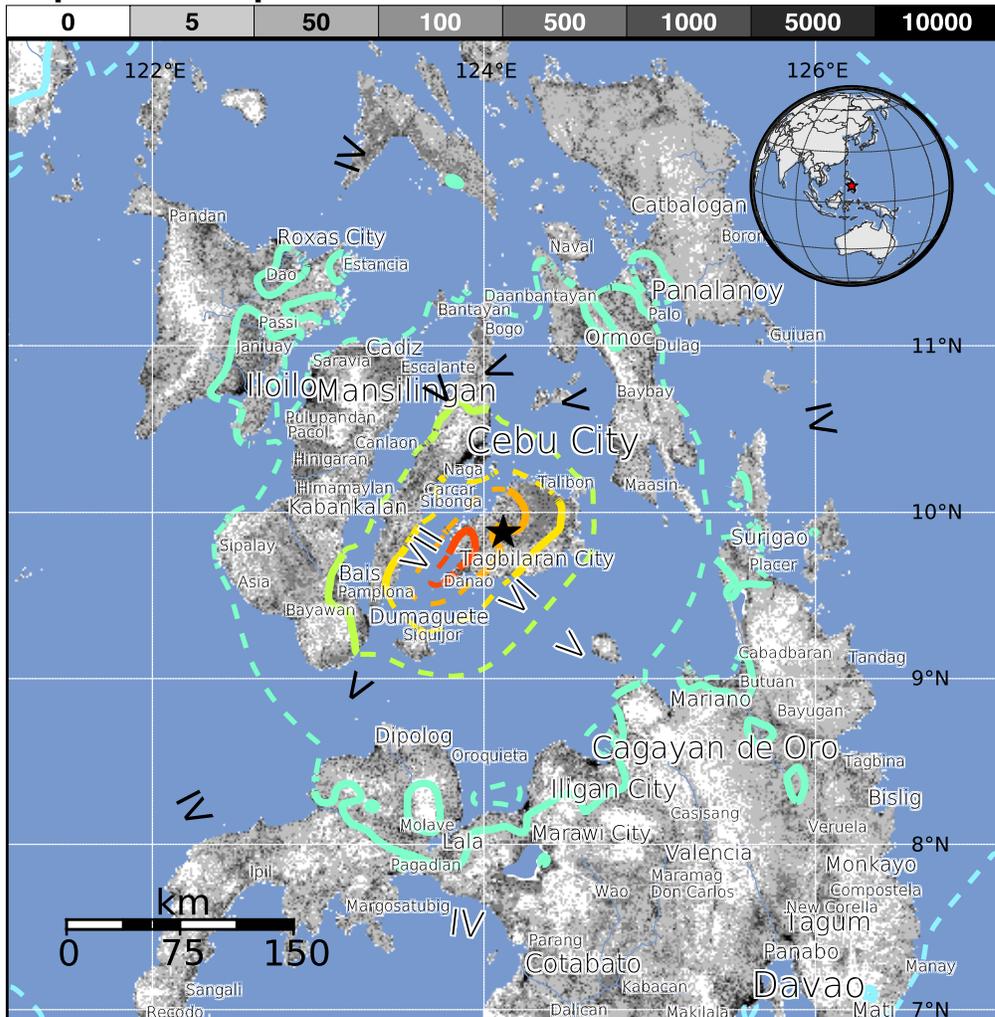


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	55k*	17,803k*	16,498k	4,977k	1,381k	394k	271k	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 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
1976-08-16	386	8.0	VII(1,515k)	0
1989-12-15	331	7.5	VIII(1k)	2
1990-06-14	282	7.1	IX(49k)	4

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
IX Inabanga	< 1k
IX Bagacay	2k
IX Maribojoc	2k
IX San Agustin	4k
IX Tangnan	3k
IX Antequera	< 1k
VI Cebu City	799k
V Iloilo	388k
V Cagayan de Oro	445k
V Cotabato	179k
IV Davao	1,213k

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: usb000kdb4