

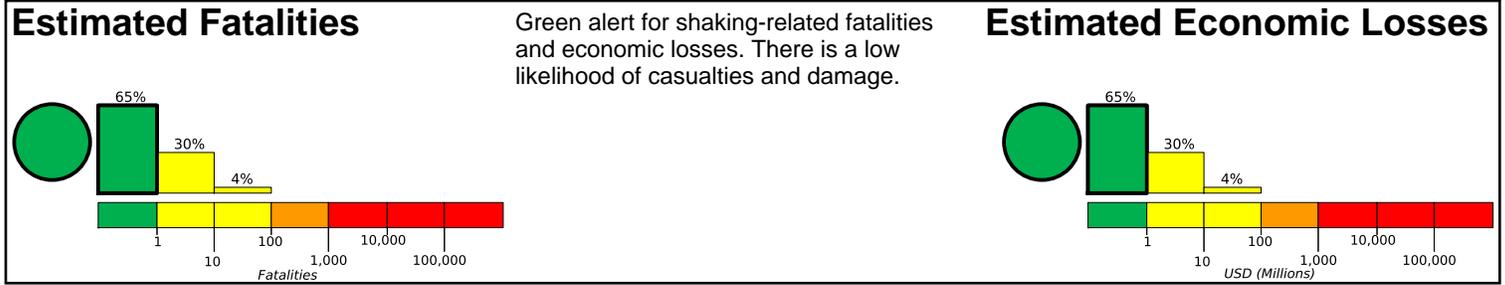
M 5.5, LUZON, PHILIPPINES

Origin Time: Mon 2014-02-17 05:55:59 UTC (13:55:59 local)

Location: 18.53°N 120.43°E Depth: 20 km

PAGER
Version 4

Created: 9 weeks, 1 day after earthquake

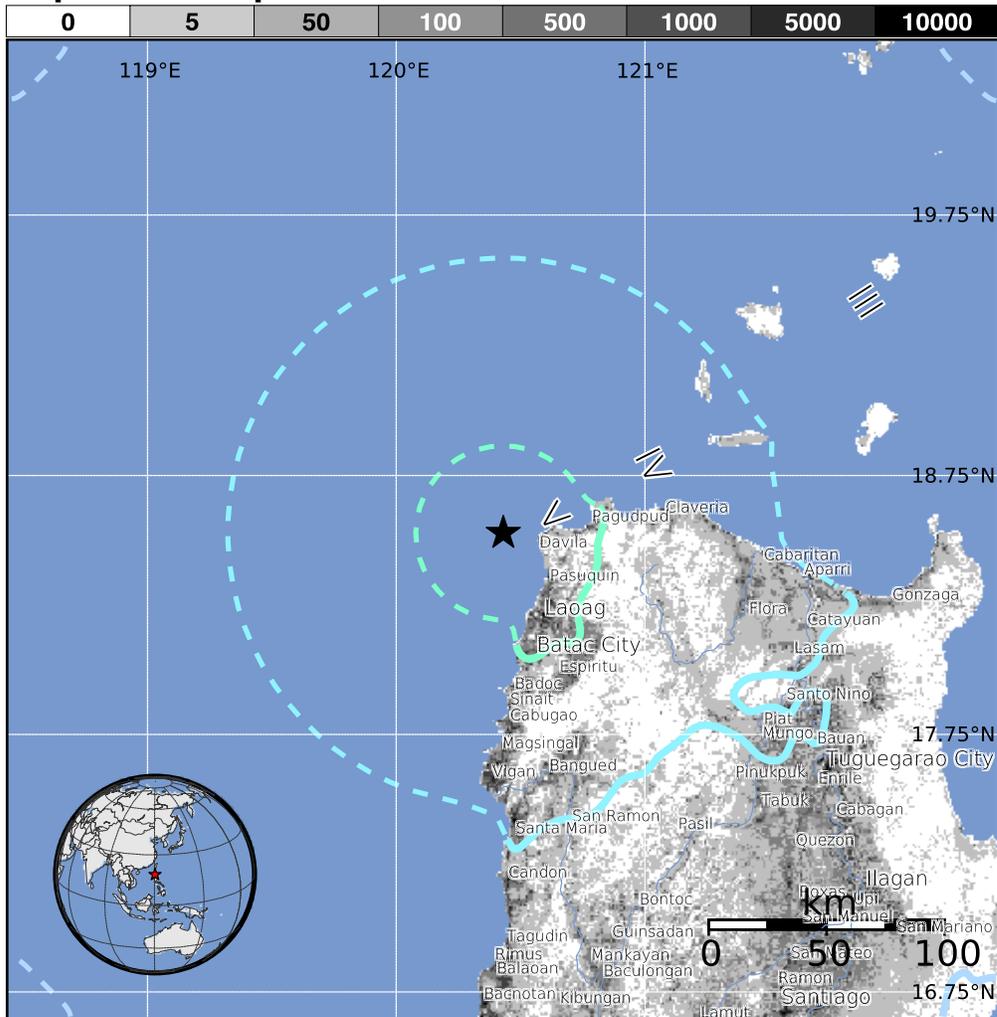


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	3,719k*	2,045k	451k	5k	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



Structures:

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1982-12-28	184	6.1	VI(1k)	0
1977-03-18	280	7.2	VIII(7)	1
1990-07-16	325	7.7	IX(893k)	2k

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

Selected City Exposure

from GeoNames.org

MMI City	Population
VI Davila	3k
VI Burgos	< 1k
V Pasuquin	6k
V San Nicolas	20k
V Pagudpud	5k
V Bangui	2k
V Laoag	102k
IV Tuguegarao City	115k
III Solana	71k
III Ilagan	72k
III Santiago	108k

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: usc000mruf