

# M 5.9, LUZON, PHILIPPINES

Origin Time: Tue 2007-11-27 04:27:00 UTC

Location: 16.09°N 119.86°E Depth: 45 km

# PAGER Version 3

Created: 13 hrs, 35 mins after earthquake

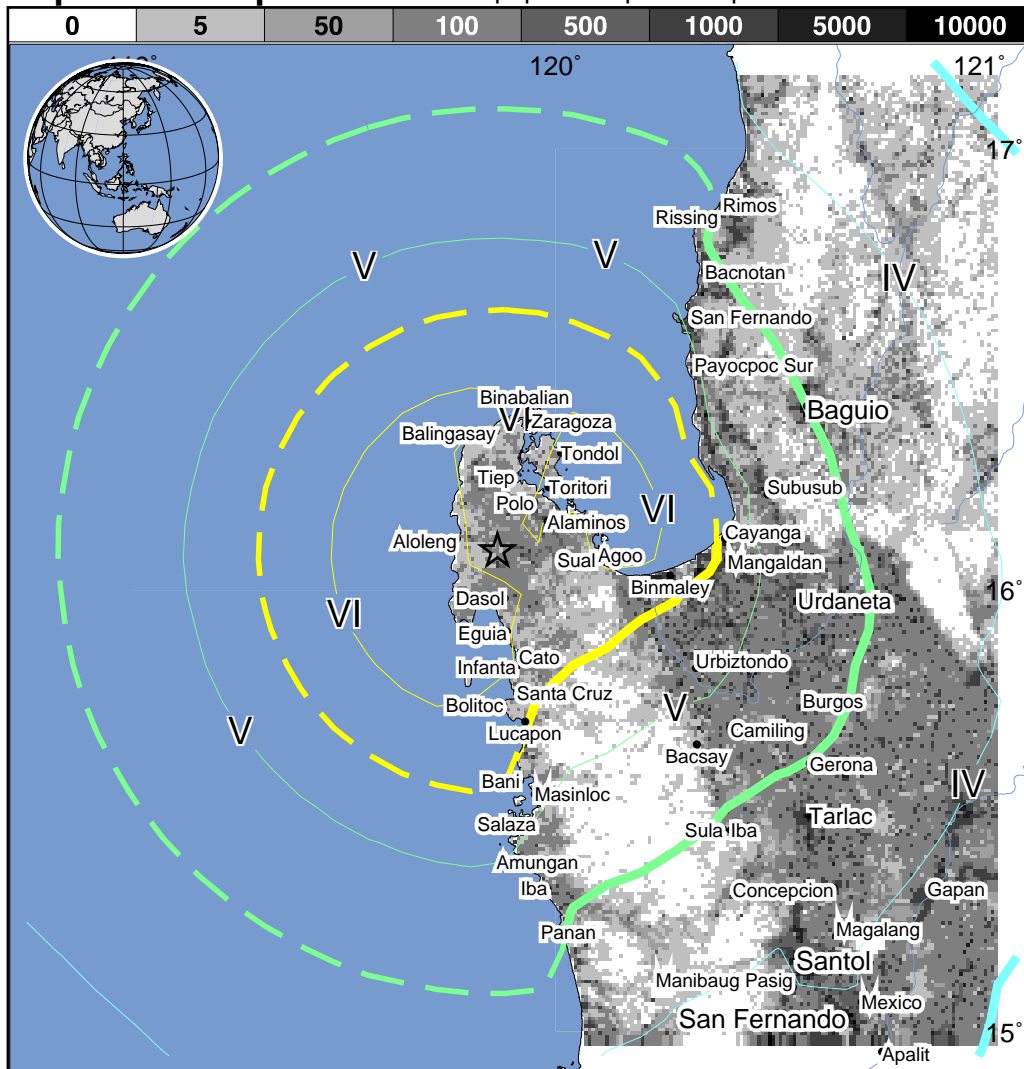
## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	1k*	5,215k*	3,503k	707k	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 Landscan 2005

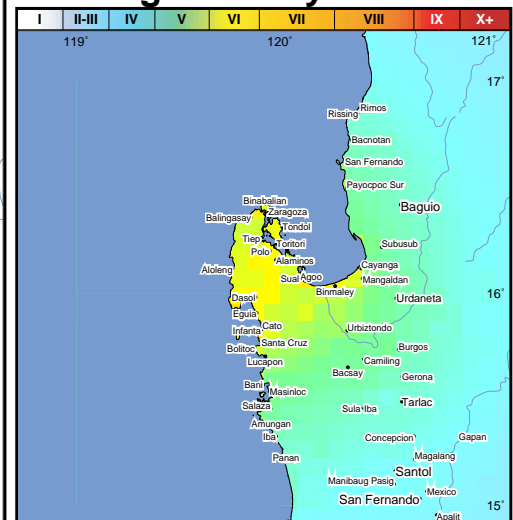


### Selected City Exposure

MMI City	Population
VI Ilio-ilio	2k
VI Agoo	28k
VI Infanta	3k
VI Uyong	2k
VI Tobuan	2k
VI Cato	4k
VI Tondol	2k
IV Baguio	272k
IV Santol	298k
IV Cabanatuan	220k
IV San Fernando	251k

bold cities appear on map (k = x1000)

### Shaking Intensity



Users should consider the preliminary nature of this information and check for updates as additional data becomes available. Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, structures in this region are a mix of vulnerable and resistant construction. A magnitude 8.0 earthquake struck the Mindanao, Philippines region on August 16, 1976 (UTC), with estimated population exposures of 510,000 at intensity IX or greater and 3.6 million at intensity VIII, resulting in 8,000 deaths. Recent earthquakes in this area have also triggered landslide and liquefaction hazards that have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.