

# M 6.5, SOUTH OF PANAMA

Origin Time: Tue 2014-05-13 06:35:24 UTC (01:35:24 local)

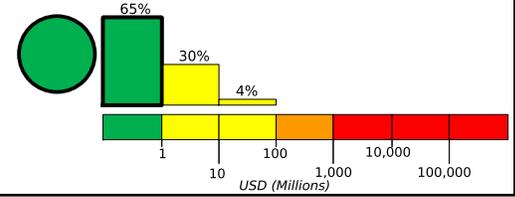
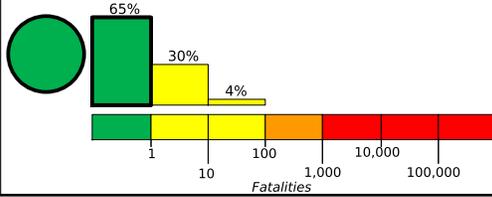
Location: 7.21°N 82.30°W Depth: 10 km

Created: 6 weeks, 2 days 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)	- -*	5,819k*	1,303k	152k	0	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 vulnerable to earthquake shaking, though some resistant structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-06-27	14	6.3	V(1k)	0
1991-05-04	256	6.2	VIII(14k)	2
2003-12-25	136	6.5	VIII(53k)	2

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
V	Pedregal	16k
V	David	83k
V	Chiriqui	2k
V	El Quiteno	1k
V	Las Lomas	12k
V	Mata del Nance	1k
III	Colon	77k
III	Puerto Limon	63k
III	San Jose	335k
III	Alajuela	47k
III	Panama	408k

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: usb000qk64