Earthquake Shaking Yellow Alert

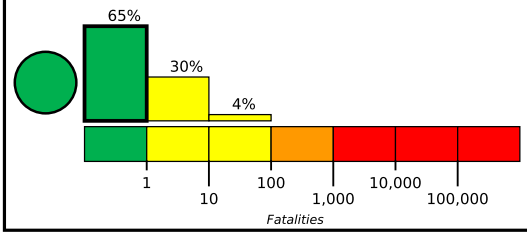
M 5.7, 5 km E of El Cantn de San Pablo, Colombia

Origin Time: 2023-08-27 21:45:00 UTC (Sun 16:45:00 local)
Location: 5.3394° N 76.6839° W Depth: 24.0 km

PAGER Version 6

Created: 2 weeks, 0 days after earthquake

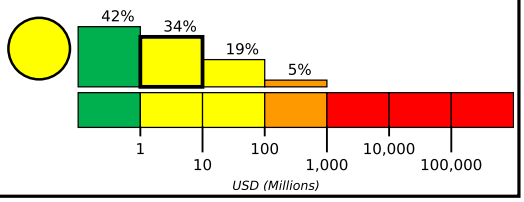
Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of Colombia. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses



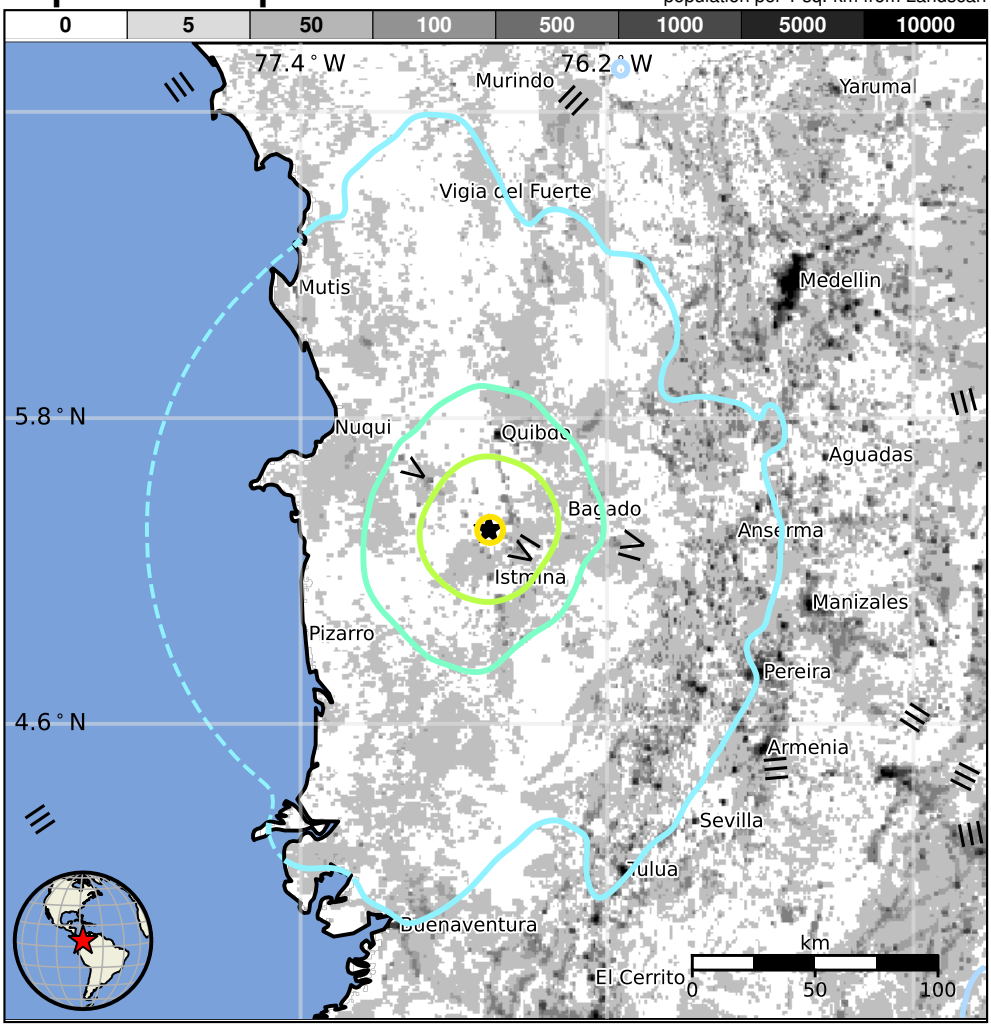
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	8,957k*	2,290k	153k	43k	2k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



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 mud wall and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-03-31	322	5.6	VII(47k)	241
1991-11-19	115	7.2	VIII(3k)	2
1999-01-25	149	6.1	VIII(27k)	1k

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
VII	El Canton de San Pablo	3k
VI	Certegui	3k
VI	Tado	10k
VI	**Istmina**	**14k**
VI	Lloro	3k
VI	Condoto	10k
IV	**Pereira**	**440k**
III	**Medellin**	**2,000k**
III	**Armenia**	**315k**
III	Ibague	422k
III	**Manizales**	**358k**

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.