

M 6.0, 19km NE of Bahia de Caraquez, Ecuador

Origin Time: 2017-12-03 11:19:06 UTC (Sun 06:19:06 local)
Location: 0.4845° S 80.2823° W Depth: 24.7 km

Created: 2 hours, 4 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

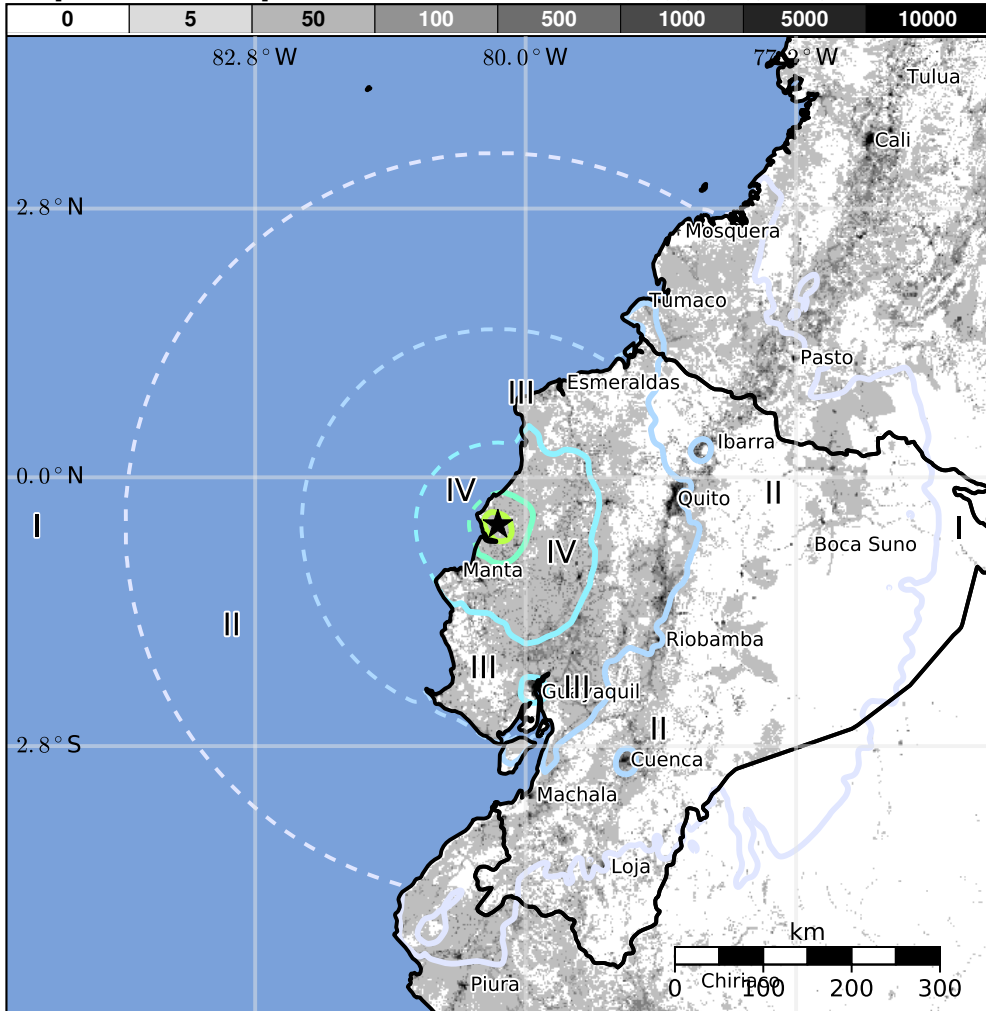
Estimated Economic Losses

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	9,036k	13,694k	4,849k	230k	40k	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	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



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-09-20	164	5.5	VI(99k)	1
1987-09-22	256	6.3	VI(53k)	2
1987-03-06	284	7.1	IX(2k)	1k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Bahia de Caraquez	37k
V	San Vicente	<1k
V	Chone	45k
V	Tosagua	15k
V	Calceta	17k
IV	Manta	183k
IV	Guayaquil	1,952k
III	Quito	1,400k
II	Pasto	382k
I	Cali	2,393k
I	Piura	325k

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.

bold cities appear on map.

(k = x1000)