

# M 6.8, PERU-ECUADOR BORDER REGION

Origin Time: Fri 2007-11-16 03:13:00 UTC

Location: 2.26°S 77.81°W Depth: 123 km

# PAGER Version 4

Created: 15 hrs, 39 mins after earthquake

## Estimated Population Exposed to Earthquake Shaking

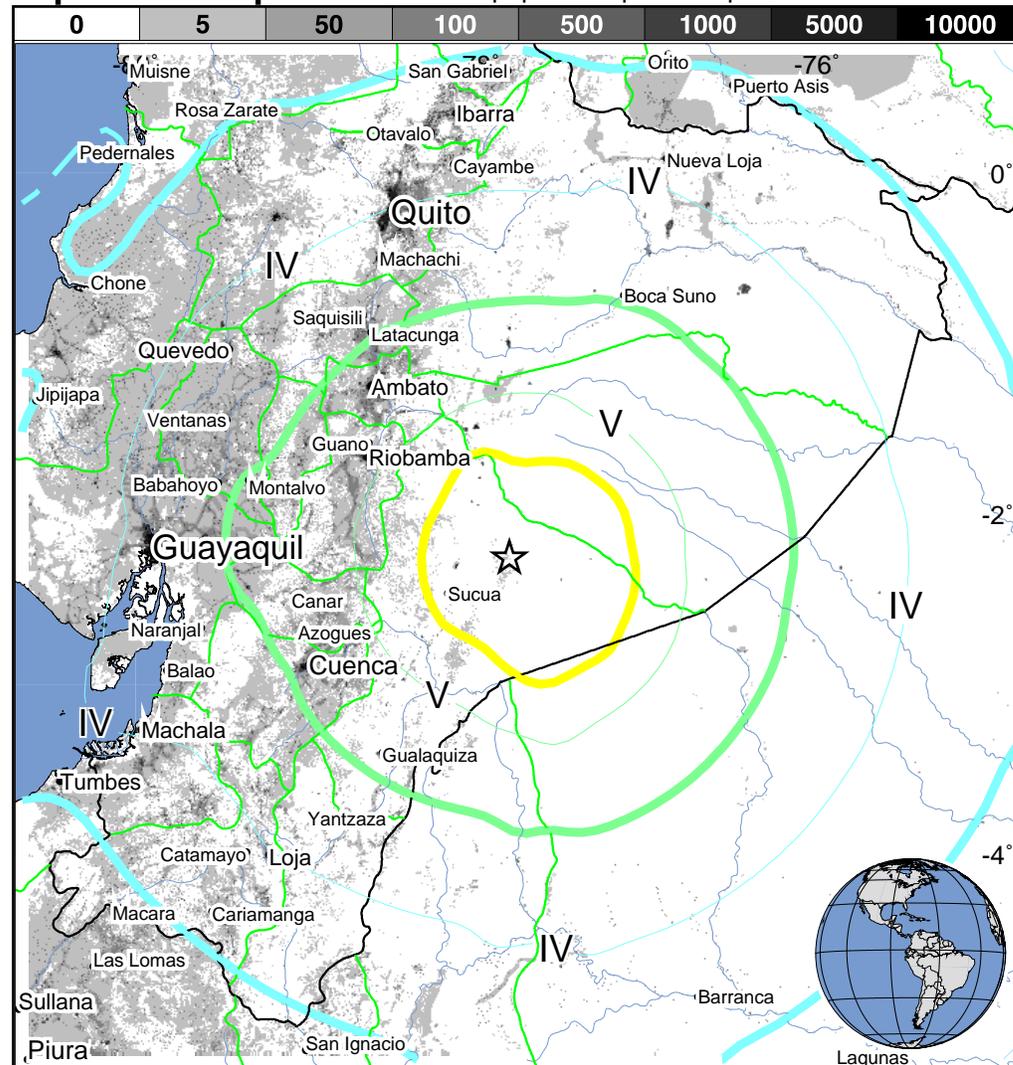
ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	883k*	9,966k	2,691k	63k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	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

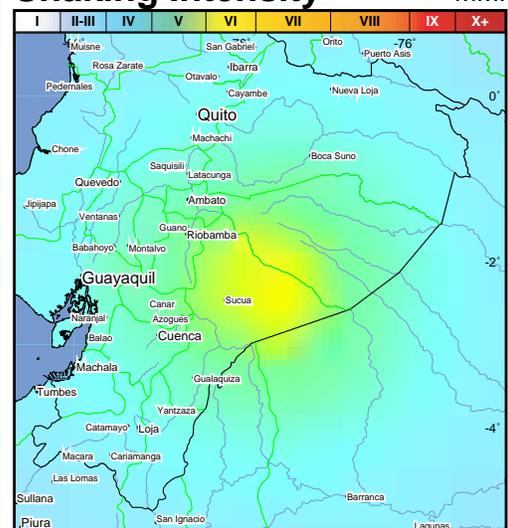


MMI City	Population
VI Palora	6k
VI Macas	23k
VI Sucua	7k
V Puyo	24k
V Riobamba	124k
V Alausi	14k
IV Cuenca	276k
IV Guayaquil	1,952k
IV Quito	1,399k
IV Santo Domingo de los Colorados	200k
III Piura	325k

bold cities appear on map (k = x1000)

### Shaking Intensity

MMI



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 vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 7.1 earthquake struck the Reventador, Ecuador region on March 6, 1987 (UTC), with estimated population exposures of 1,600 at intensity IX or greater and 19,000 at intensity VIII, resulting in 5,000 deaths. Recent earthquakes in this area have also triggered landslide hazards that have contributed to losses.

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