USGS science for a changing world

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M 8.0 NEAR THE COAST OF CENTRAL PERU

Origin Time: Wed 2007-08-15 23:40:58 UTC
Location: 13.32˚S 76.51˚W Depth: 30 km

PAGER
Version 4
Created: 13 hrs, 9 mins after earthquake

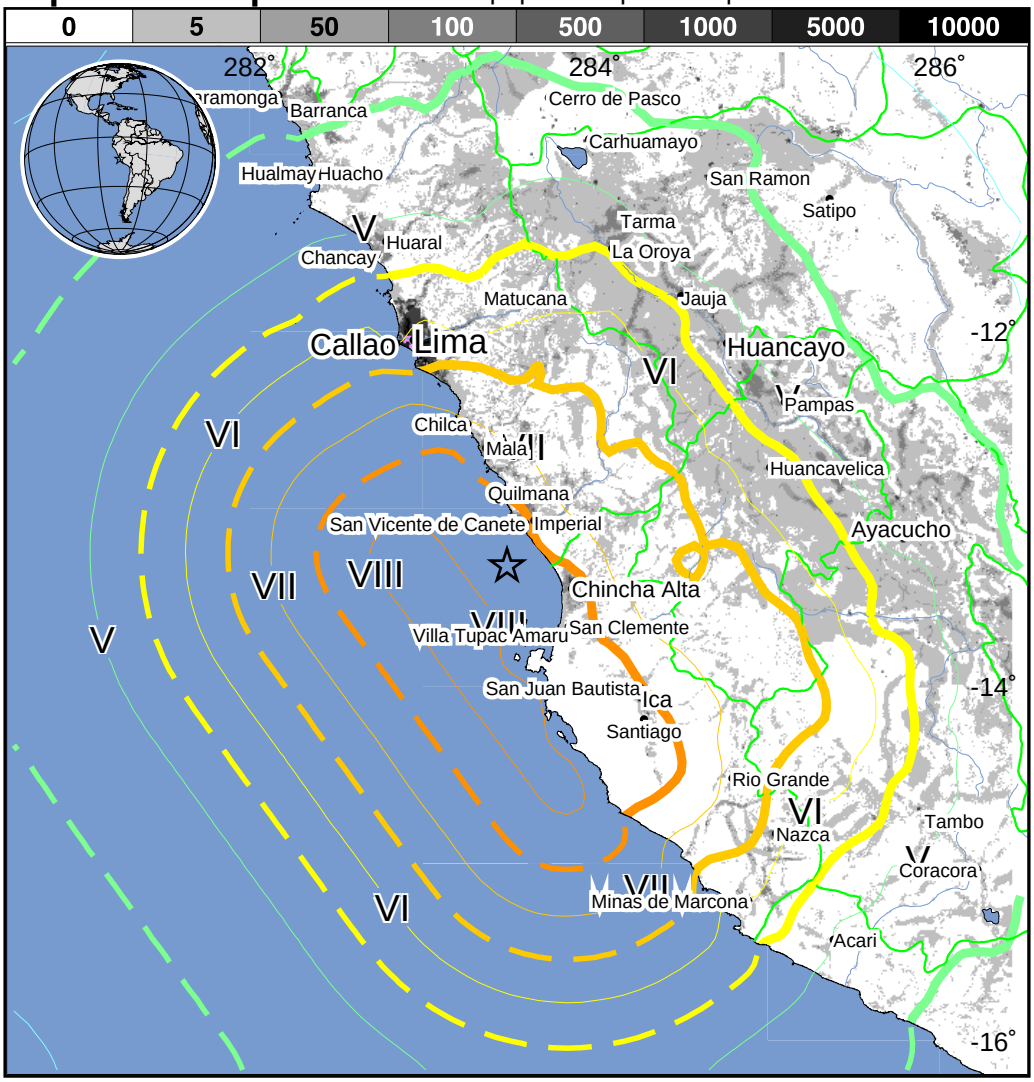
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	- -*	398k*	2,417k*	8,085k	944k	614k	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



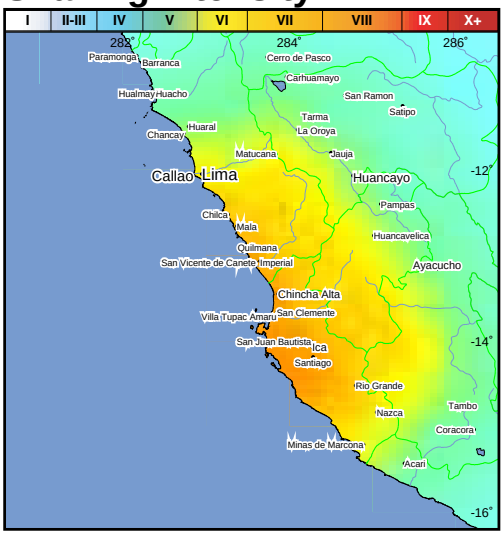
Selected City Exposure

MMI	City	Population
VIII	**Chincha Alta**	**153k**
VIII	**Villa Tupac Amaru**	**11k**
VIII	**San Clemente**	**15k**
VIII	Los Aquijes	7k
VIII	Subtanjalla	9k
VIII	**Ica**	**246k**
VI	**Lima**	**7,737k**
VI	**Callao**	**813k**
V	**Huancayo**	**376k**
V	Chosica	88k
V	**Ayacucho**	**140k**

bold cities appear on map (k = x1000)

Shaking Intensity

MMI



The population exposure estimates are NOT a direct estimate of earthquake damage. Comparable shaking intensities will result in significantly lower losses in regions with well built and engineered structures than in regions with vulnerable structures. Users should consider the preliminary nature of this information when making decisions relating to public safety.

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