

M 5.4, OFF THE COAST OF NORTHERN PERU

Origin Time: Sat 2013-03-30 17:30:48 UTC (12:30:48 local)

Location: 9.40°S 79.04°W Depth: 43 km

Created: 5 hours, 27 minutes after earthquake

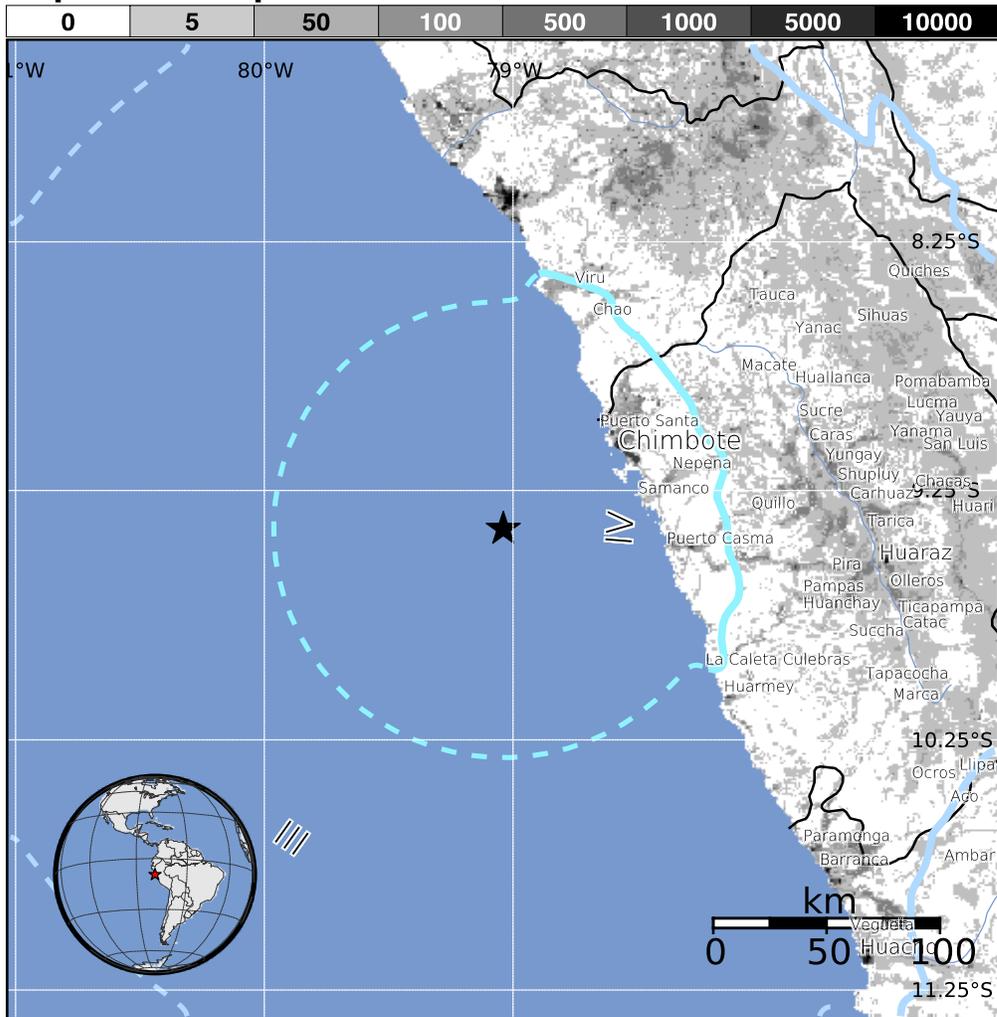


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2,775k	521k	0	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
1996-02-21	96	7.5	VI(5k)	0
1982-03-23	365	5.1	V(66)	2
1974-10-03	357	7.6	VIII(43k)	78

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
IV	Puerto Santa	14k
IV	Chimbote	317k
IV	Samanco	< 1k
IV	Santa	< 1k
IV	Buenos Aires	< 1k
IV	Guadalupito	< 1k
III	Trujillo	747k
III	Chocope	32k
III	Huaraz	87k
III	Barranca	46k
III	Huacho	55k

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: usb000fwkl