

M 5.3, PERU-ECUADOR BORDER REGION

Origin Time: Sun 2014-01-26 05:10:27 UTC (00:10:27 local)

Location: 3.85°S 80.86°W Depth: 11 km

Created: 5 weeks, 6 days after earthquake

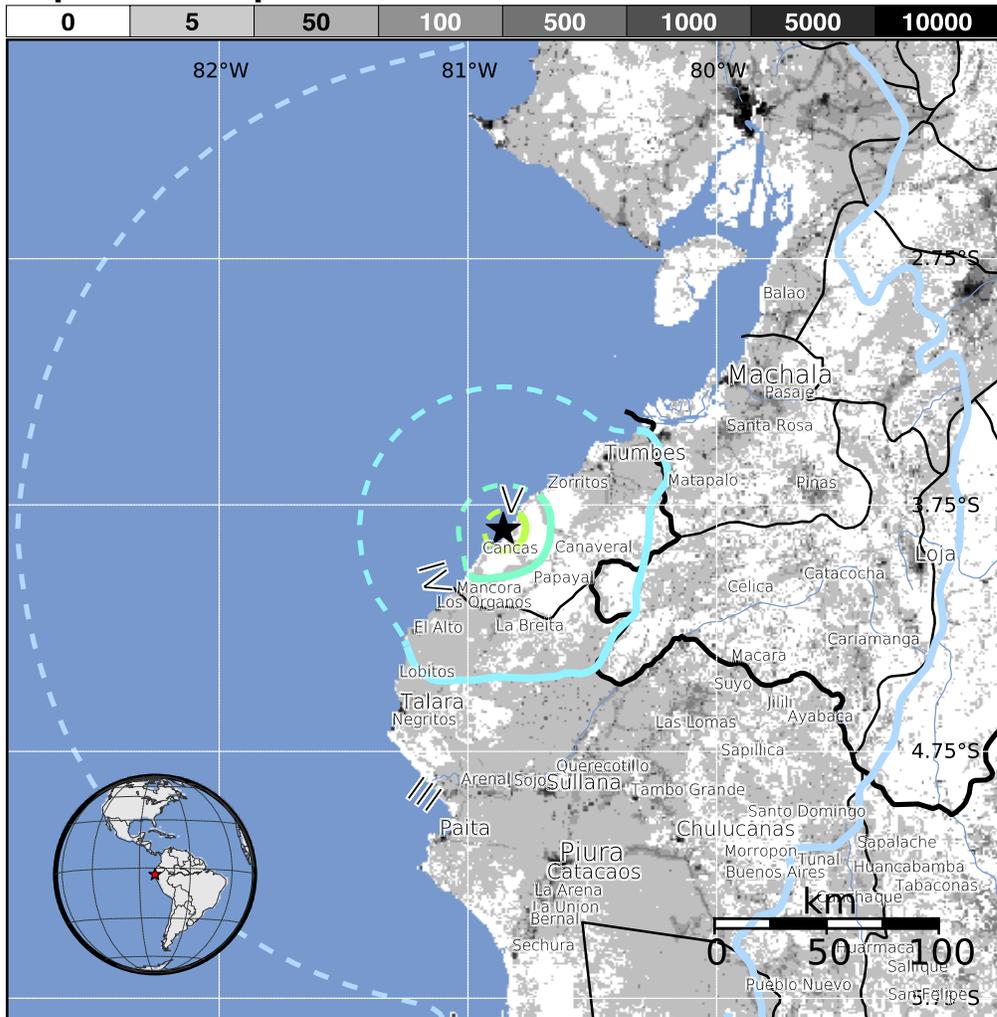


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	7,760k	292k	5k	1k	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
1984-01-17	68	5.5	V(50k)	0
1997-08-15	231	5.7	VIII(24)	0
1983-04-12	321	7.0	VII(357)	10

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
V	Cancas	< 1k
IV	Canaveral	< 1k
IV	Papayal	5k
IV	Zorritos	12k
IV	Mancora	9k
IV	Caleta Cruz	< 1k
IV	Tumbes	109k
III	Machala	198k
III	Piura	325k
III	Guayaquil	1,952k
II	Cuenca	277k

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: usb000m8ad