

# M 5.6, 89km WNW of Camana, Peru

Origin Time: 2017-08-11 21:45:09 UTC (Fri 16:45:09 local)  
Location: 16.2978° S 73.4742° W Depth: 41.0 km

**PAGER Version 3**

Created: 2 hours, 7 minutes after earthquake

### Estimated Fatalities

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

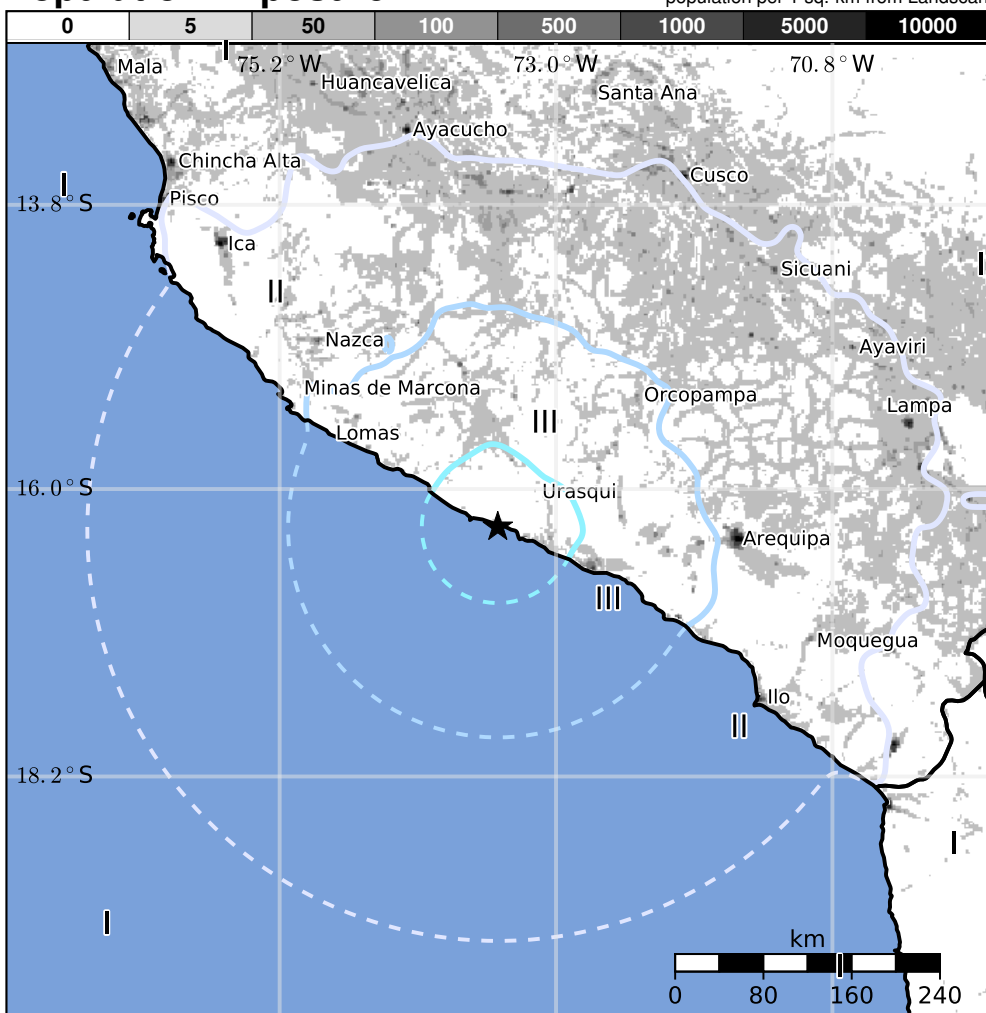
### Estimated Economic Losses

## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	2,697k*	4,401k	42k	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	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 ductile reinforced concrete frame and mud wall construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-12-04	153	5.8	VI(32k)	2
1981-04-18	366	5.5	VI(193k)	8
2001-06-23	9	8.4	VIII(179k)	48

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

### Selected City Exposure

MMI	City	Population
IV	Atico	<1k
IV	Ocona	<1k
IV	Urasqui	<1k
IV	Camana	16k
IV	El Cardo	<1k
III	IQUIPI	<1k
II	<b>Arequipa</b>	<b>841k</b>
II	<b>Ica</b>	<b>247k</b>
II	<b>Cusco</b>	<b>312k</b>
I	Tacna	280k
I	Arica	186k

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)