

M 8.0, 80km SE of Lagunas, Peru

Origin Time: 2019-05-26 07:41:14 UTC (Sun 02:41:14 local)

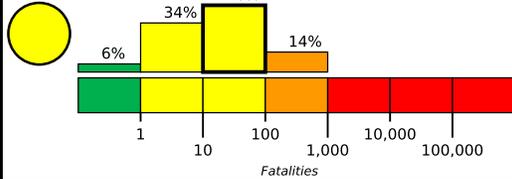
Location: 5.8107° S 75.2382° W Depth: 115.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER
Version 1

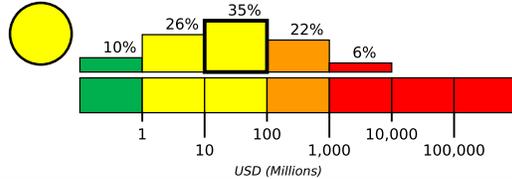
Created: 23 minutes, 20 seconds after earthquake

Estimated Fatalities



Estimated economic losses are less than 1% of GDP of Peru.

Estimated Economic Losses



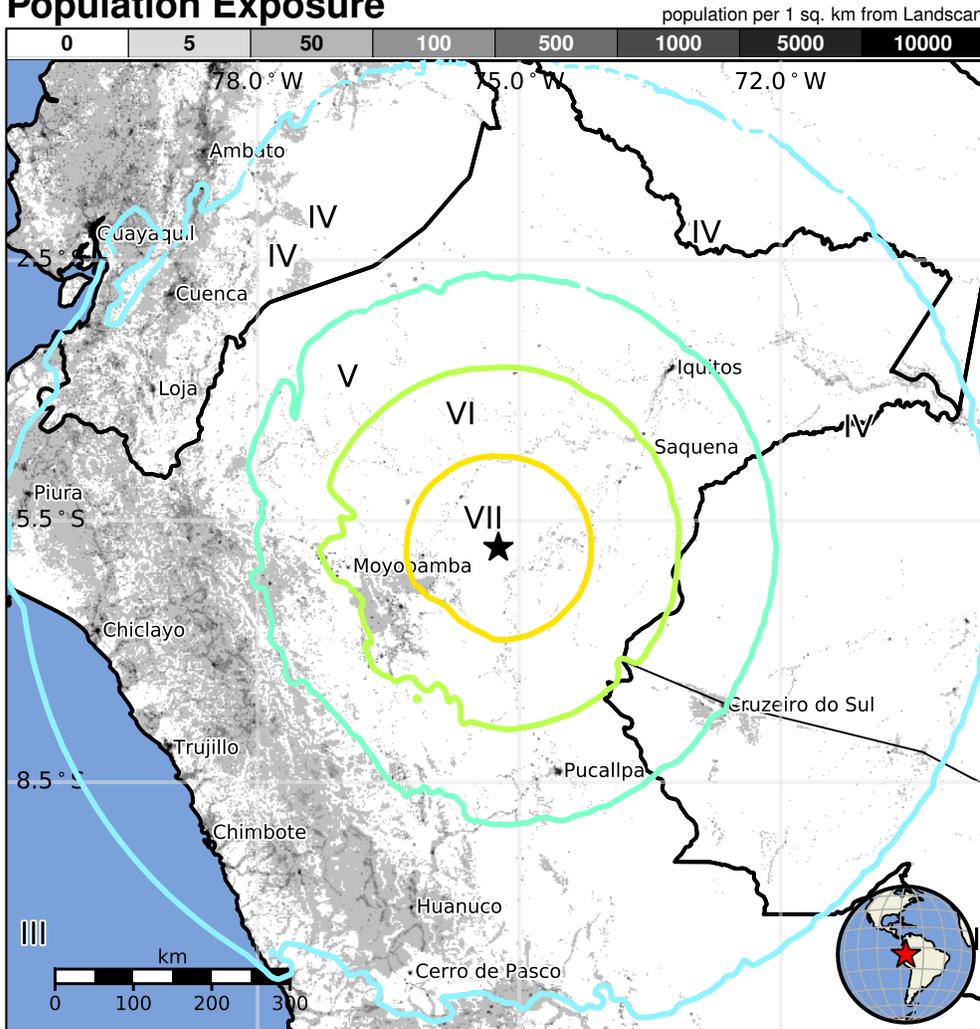
Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	9,435k*	15,160k	1,604k	750k	180k	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 mud wall and ductile reinforced concrete frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1991-04-05	204	6.9	IX(80k)	53
1987-10-02	398	5.6	VII(11k)	3
1990-05-30	217	6.5	VIII(131k)	135

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Santa Cruz	<1k
VII	Pelejo	<1k
VII	Navarro	<1k
VII	Shucushuyacu	<1k
VII	Lagunas	9k
VII	Santa Isabel	<1k
V	Iquitos	438k
IV	Trujillo	747k
IV	Chiclayo	577k
IV	Quito	1,400k
III	Guayaquil	1,952k

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60003sc0#pager>

Event ID: us60003sc0