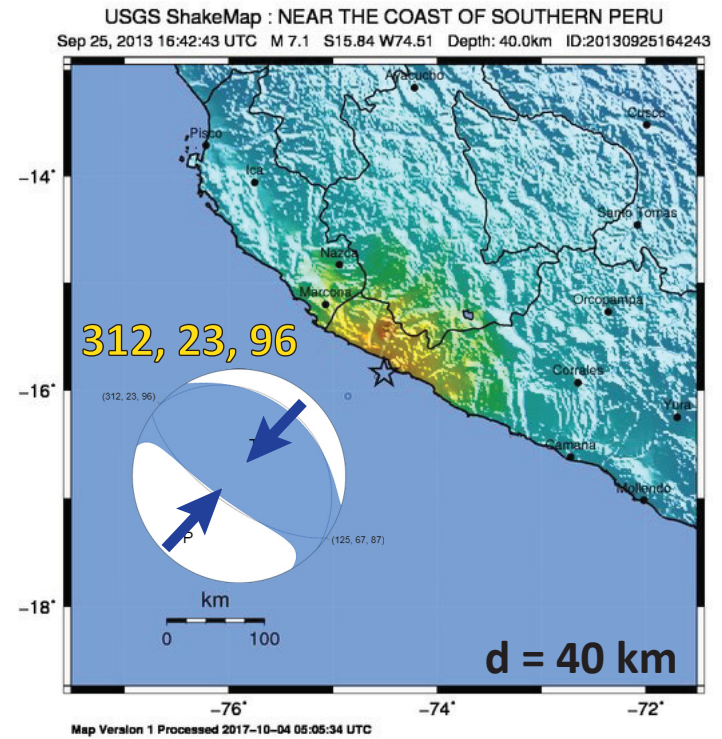


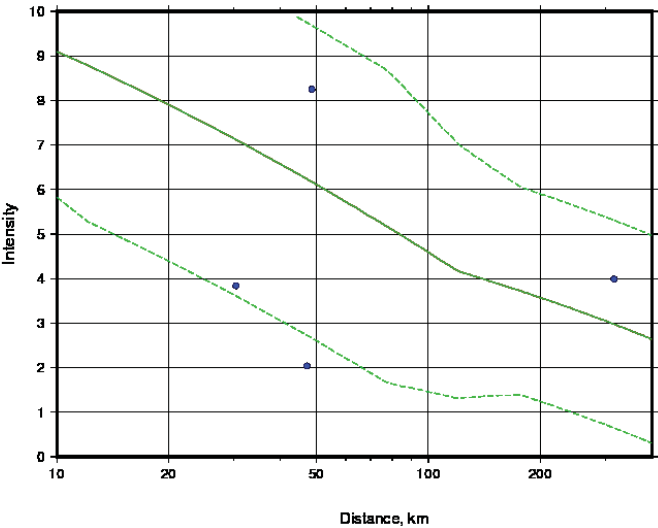
2013.09.25
M 7.1



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2012)

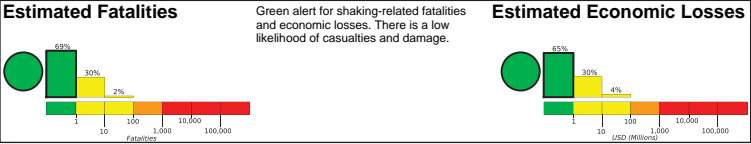
USGS Intensity - Epicenter: NEAR THE COAST OF SOUTHERN PERU
Sep 25, 2013 16:42:43 UTC M 7.1 N-15.84 W74.51 Depth: 40.0km ID:20130925164243



USGS science for a changing world **Earthquake Shaking** **Green Alert**

M 7.1, NEAR THE COAST OF SOUTHERN PERU
Origin Time: Wed 2013-09-25 16:42:43 UTC (11:42:43 local)
Location: 15.84°S 74.51°W Depth: 40 km

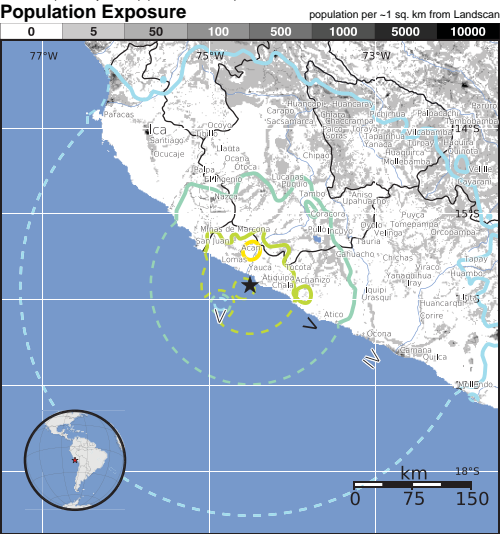
USAID FROM THE AMERICAN PEOPLE **PAGER Version 13**
Created: 11 weeks, 1 day after earthquake



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	--	1,255k	2,364k	130k	21k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.



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
2001-06-23	142	5.7	VI(3k)	0
1982-03-28	380	6.3	VII(79k)	3
2007-08-15	353	8.0	VIII(493k)	514

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

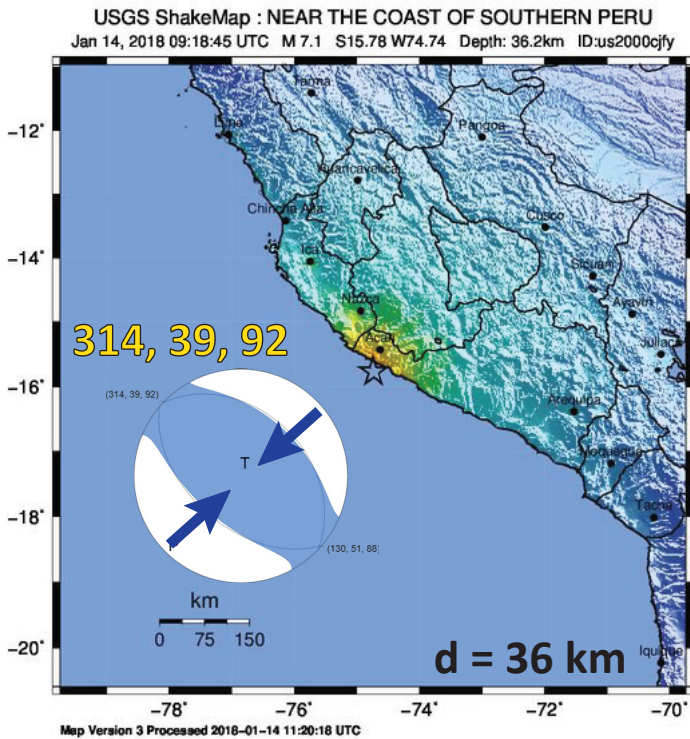
Selected City Exposure from GeoNames.org

MMI City	Population
VI Yauca	<1k
VI Chala	<1k
VI Atiquipa	<1k
VII Acari	4k
VII Achanizo	<1k
VI San Juan	<1k
IV Ica	247k
IV Arequipa	841k
IV Ayacucho	140k
IV Abancay	55k
III Cusco	312k

bold cities appear on map (k = x1000)

Event ID: usb000jzma

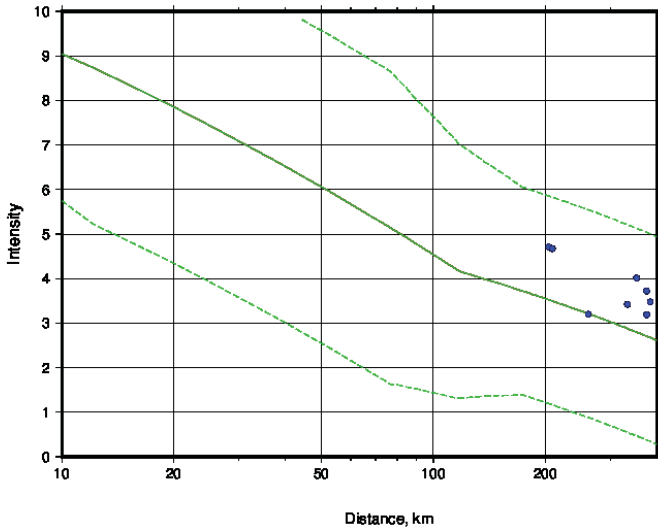
2018.01.14
M 7.1



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2012)

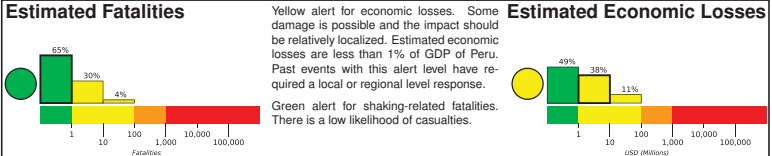
USGS Intensity - Epicenter: NEAR THE COAST OF SOUTHERN PERU
Jan 14, 2018 09:18:45 UTC M 7.1 N-15.78 W74.74 Depth: 36.2km ID:us2000cjfy



USGS science for a changing world **Earthquake Shaking** **Yellow Alert**

M 7.1, 40km SSW of Acari, Peru
Origin Time: 2018-01-14 09:18:45 UTC (Sun 04:18:45 local)
Location: 15.775°S 74.744°W Depth: 36.2 km
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

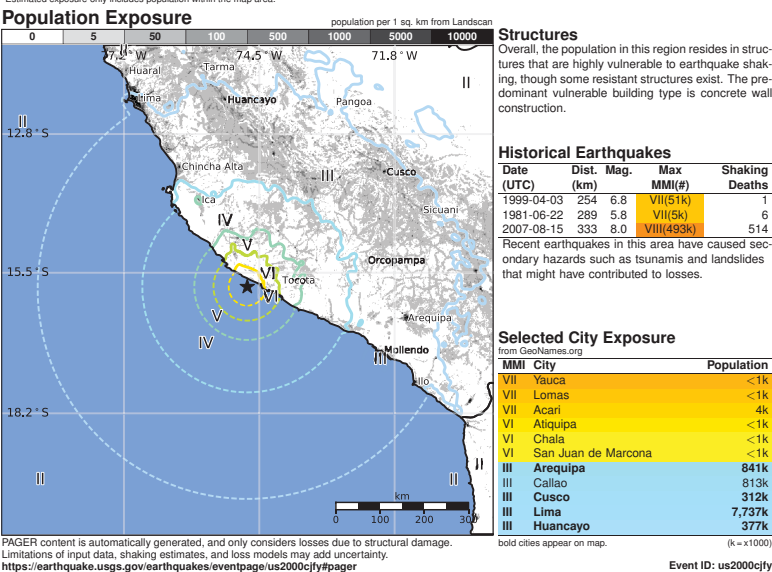
USAID FROM THE AMERICAN PEOPLE **PAGER Version 3**
Created: 2 hours, 3 minutes after earthquake



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	--	18,255k	430k	438k	21k	6k	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
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.



Event ID: us2000cjfy