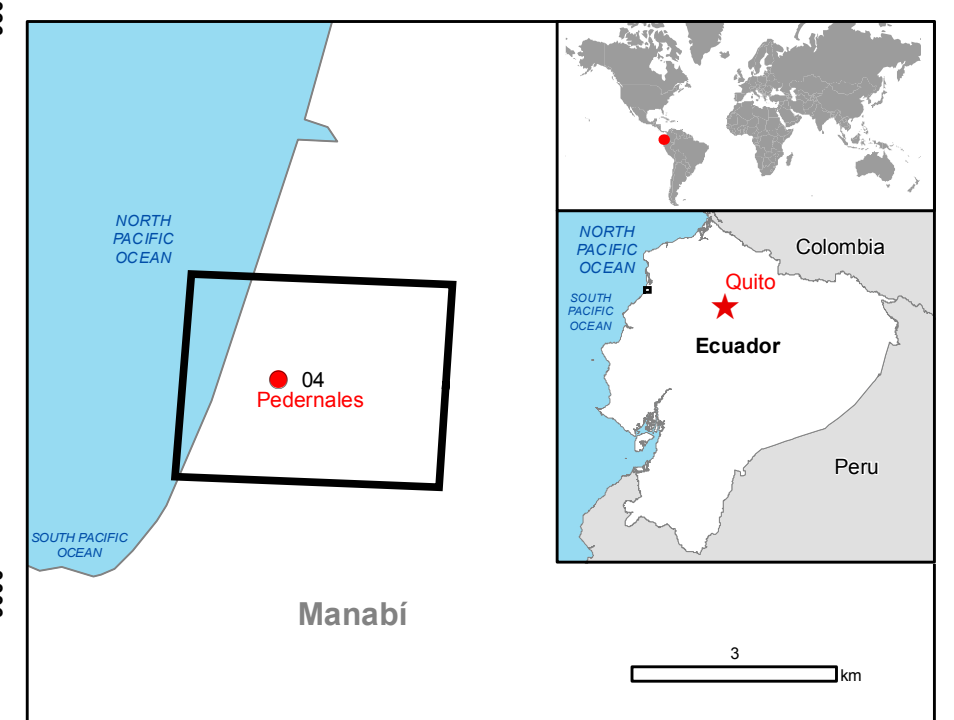


GLIDE number: EQ-2016-000035-ECU Activation ID: EMSR159
Product N.: 04PEDERNALES, v1, English

Pedernales - ECUADOR

Earthquake - Situation as of 19/04/2016

Grading Map



Cartographic Information

1:6500 Full color ISO A1, medium resolution (200 dpi)

0 0,125 0,25 0,5 km

Grid: WGS 1984 UTM Zone 17N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- Crisis Information**
- Building Grading**
- Destroyed
 - Highly Damaged
 - Moderately Damaged
 - Negligible to slight damage
 - Road Block
- General Information**
- Area of Interest
 - Populated Place
- Settlements**
- Physiography**
- Features available in vector data
- Hydrology**
- Coastline
 - River
 - Lake
- Point of Interest**
- Cemetery
 - Stadium
- Transportation**
- Motorway
 - Primary Road
 - Secondary Road
 - Local Road

Consequences within the AOI						
Unit of measurement		Destroyed	Highly damaged	Moderately damaged	Negligible to slight damage	Total affected
Road Block		No.				1
Estimated population		No. of inhabitants				256 2127
Settlements	Residential	No.	56	37	20	9 122 4453
	Agriculture	No.	0	0	0	0 9
	Educational	No.	0	0	0	0 14
	Industrial	No.	2	1	0	1 4 82
	Institutional	No.	0	0	0	0 7
Transportation	Recreational	No.	0	0	0	0 33
	Transportation	No.	0	0	0	0 2
	Primary roads	km	0,0	0,0	0,0	0,0 7,4
	Secondary roads	km	0,0	0,0	0,0	0,0 2,9
	Local roads	km	0,0	0,0	0,0	0,0 72,9

Map Information

On 16 April 2016, 23:58 UTC a powerful earthquake (7.8 M) struck the coast of Ecuador. The epicentre was located in Pedernales, in Esmeraldas province. The National Authorities declared state of emergency for the whole country. Special attention was given to 6 provinces: Esmeraldas, Manabí, Santa Elena, Guayas, Santo Domingo, and Los Ríos. The quake caused casualties and serious damage to buildings and infrastructure.

The present map shows the earthquake damage grade assessment in the area of Pedernales (Ecuador). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	16/04/2016	Situation as of	19/04/2016
Activation	17/04/2016	Map production	20/04/2016

Data Sources

Post-event image: Pleiades-1B © CNES (2016), distributed by Airbus DS (acquired on 19/04/2016 15:49 UTC, GSD 0.50 m, approx. 5 % cloud coverage, 20.4° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Pre-event image: Pleiades-1B © CNES (2016), distributed by Airbus DS (acquired on 17/09/2015 15:52 UTC, GSD 0.5 m, approx. 0% cloud coverage), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
Inset maps: Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: Landsat 2010 © UT BATTELLE, LLC
Digital Elevation Model: SRTM 30m (NASA/USGS)

Disclaimer

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Map produced by e-GEOS released by e-GEOS (ODO).

For the latest version of this map and related products visit
<http://emergency.copernicus.eu/mapping/list-of-components/EMSR159>

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