

EMSR796 - AOI03

Flood in Ecuador

SAN ROQUE

Situation as of 14/04/2025 15:49 UTC

Grading - Overview map 01





Landslide 53.9 ha

Flood trace 0.1 ha



Potentially affected population ~ 10

Affected Built-up and Transportations



Built-Up


6 No.




Road


1.2 km

**Crisis Information**


 Flood trace


 Landslide


**Built Up Grading**


 Possibly damaged


**Transportation Grading**

 Road, Damaged


 Road, Possibly damaged


 Main road, No visible damage


 Local road, No visible damage

 Track, No visible damage


**General Information**

 Area of Interest


 Detail map

 Not Analysed

**Administrative Boundaries**

 Municipality

**Placenames**

 Placename


**Event:** On the 26 February 2025 at 16 :00 UTC, heavy rainfall affected western and coastal Ecuador causing floods and triggering landslides. The event is on-going, causing significant damage. Copernicus EMS Rapid Mapping is requested to provide damage assesment emergency mapping.

**Data sources and analysis:** Pre-event image: Pléiades-1A/B © CNES (year of acquisition), distributed by Airbus DS (acquired on 20/06/2024 at 15:47 UTC, resolution 0.5 m). Post-event image: Pléiades Neo © CNES (2025), distributed by Airbus DS (acquired on 14/04/2025 at 15:49 UTC, resolution 0.3 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.


The thematic layer has been derived from post-event satellite image by means of visual interpretation.


Map produced by SERTIT released by e-GEOS on the 16/04/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR789>



PROGRAMME OF THE  
EUROPEAN UNION





00.250.51 km

WGS 1984 UTM Zone 17S 1:16 000

Sourced by, Maxar, Sentinel Geographies, and the GIS User Community






**Situation as of 14/04/2025 15:49 UTC**  
Grading - Detail map 02





**Crisis Information**

-  Flood trace
-  Landslide

**Transportation Grading**

-  Road, Possibly damaged
-  Main road, No visible damage
-  Local road, No visible damage

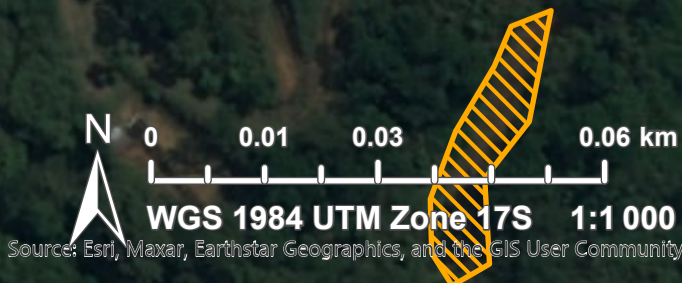
**General Information**

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Consequences within the AOI						
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**
Flood trace	ha					0.1
Landslide	ha					53.9
Estimated population	Number of inhabitants					~ 10
Built-up	Residential Buildings	No.	0	0	5	5
	Building point	No.	0	0	1	1
Transportation	Highways	km	0	0	0	0
	Secondary Road	km	0	0.2	0.5	0.7
	Local Road	km	0	0	0.4	0.4
	Cart Track	km	0	0	0	0
Land use	Forests	ha				49.6
	Shrub and/or herbaceous vegetation association	ha				4.4
* Presence of damage proxies and proximity with destroyed/damaged asset						
** Sum of all damage classes						

**Disclaimer:**

Full disclaimer and other helpful information available in the online manual:  
<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>  
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**Data Access:**

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

**Estimated Population:**

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

**Data Sources:**

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2025); Wikimapia.org; GeoNames 2015; Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019). Inset maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Digital Elevation Model:  
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30 Digital Elevation Model (DEM) (Airbus, 2020).

Access to the portal

