


EMSR796 - AOI01

Flood in Ecuador


CELICA

Situation as of 01/05/2025 15:38 UTC  
Grading MONIT02 - Overview map 01






Debris, Rockfall 0.1 ha  
Landslide 8.9 ha  
Flood trace 0.9 ha  
Blocked road / interruption 6 No.




Potentially affected population  
~ 10

Affected Built-up and Transportations





Built-Up  
13 No.





Road  
0.5 km

**Crisis Information**


 Flood trace


 Debris, rockfall

 Landslide


 Blocked road / interruption


**Built Up Grading**


 Damaged


 Possibly damaged


**Transportation Grading**

 Road, Damaged

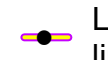
 Road, Possibly damaged

 Main road, No visible damage


 Local road, No visible damage


 Track, No visible damage


**Facilities Grading**

 Long-distance pipeline or line, Possibly damaged


**General Information**

 Area of Interest


 Detail map

 Not Analysed


**Placenames**

 Placename

**Hydrography**

 Lake, River

**Facilities**

 Long-distance pipelines or lines

**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: GeoEye-1 © Maxar Technologies, Inc. (2024), (acquired on 24/07/2024 at 15:30 UTC, resolution 0.5 m).  
Post-event image: WorldView-3 © Maxar Technologies, Inc. (2025), (acquired on 01/05/2025 at 15:38 UTC, resolution 0.4 m).  
This image is used as background image.

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

Map produced by Telespazio Iberica released by e-GEOS on the 03/05/2025.

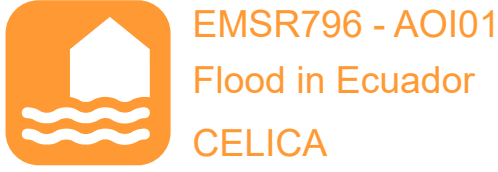
Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR796>



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Situation as of 01/05/2025 15:38 UTC  
Grading MONIT02 - Detail map 02



- Crisis Information**

  - Flood trace
  - Debris, rockfall
  - Landslide
  - Blocked road / interruption

**Built Up Grading**

  - Possibly damaged

**Transportation Grading**

  - Road, Damaged
  - Main road, No visible damage
  - Local road, No visible damage
  - Track, No visible damage
- Facilities Grading**

  - Long-distance pipeline or line, Possibly damaged

**General Information**

  - Area of Interest
  - Not Analysed

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Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Debris, Rockfall	ha						0.1
Landslide	ha						8.9
Flood trace	ha						0.9
Ancillary Crisis Information	Blocked road / interruption	No.					6
Estimated population	Number of inhabitants					~ 10	~ 5,400
Built-up	Residential Buildings	No.	0	1	10	11	1,585
	Institutional	No.	0	0	0	0	2
	Other non-residential buildings	No.	0	0	2	2	27
	Buildings used as places of worship and for religious activities	No.	0	0	0	0	1
	Other buildings not elsewhere classified	No.	0	0	0	0	1
	Communication buildings, stations, terminals and associated buildings	No.	0	0	0	0	1
Transportation	Primary Road	km	0	0.1	0	0.1	4.5
	Secondary Road	km	0	0	0	0	3.1
	Local Road	km	0	0.04	0.1	0.1	15.0
	Cart Track	km	0	0.3	0	0.3	18.8
Facilities	Sport and recreation constructions	ha	0	0	0	0	1.0
	Long-distance pipelines, communication and electricity lines	km	0	0	0.1	0.1	2.9
Land use	Shrub and/or herbaceous vegetation association	ha				5.6	447.9
	Forests	ha				4.3	455.0
	Other	ha				0.04	38.7
* 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 Land Use - Land Cover layer(s), 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 (2022), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).  
 Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;  
 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



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