



EMSR796 - AOI05
Flood in Ecuador
BALSAS

Situation as of 29/04/2025 15:38 UTC

Grading - Overview map 01



Landslide 14.4 ha
Mudflow 0.04 ha
Flooded area 0.03 ha



Potentially affected
population
~ 350

Affected Built-up and Transportations



Built-Up
212 No.



Road
5.7 km



Bridge
3 No.

Crisis Information

- Flooded Area
- Flood trace
- Landslide
- Mudflow

Built Up Grading

- Damaged
- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Damaged
- Possibly damaged

Transportation Grading

- Bridge and elevated highway, Destroyed
- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged

- Highway, No visible damage
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Blocked road / interruption

General Information

- Area of Interest
- Detail map
- Image Footprint
- Not Analysed

Administrative Boundaries

Placenames

- Placename

Hydrography

- Lake, River
- Island

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 an initial rough estimation and flood extent emergency mapping.

Data sources and analysis: Pre-event image: Pléiades Neo © CNES (2024), distributed by Airbus DS (acquired on 05/09/2024 at 15:49 UTC, resolution 0.3 m). Post-event image: IE00 © copyright owned by ICEYE OY (acquired on 06/04/2025 at 19:30 UTC, resolution 2.5 m). Pléiades Neo © CNES (2025), distributed by Airbus DS (acquired on 06/04/2025 at 15:45 UTC, resolution 0.3 m). Pléiades Neo © CNES (2025), distributed by Airbus DS (acquired on 29/04/2025 at 15:38 UTC, resolution 0.3 m). This image is used as background image.

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

Map produced by CLS released by e-GEOS on the 30/04/2025.

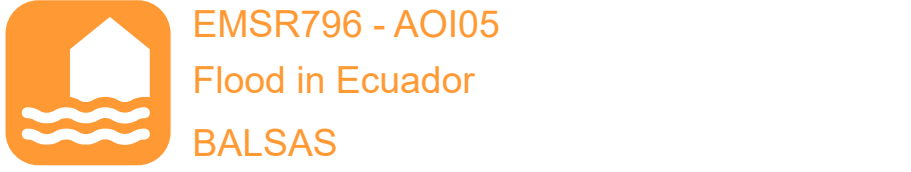
Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR796>



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0 0,07 0,15 0,3 km
WGS 1984 UTM Zone 17S 1:5 000
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Situation as of 29/04/2025 15:38 UTC
Grading - Detail map 02



- Crisis Information**
- Flooded Area
 - Flood trace
 - Landslide
 - Possibly damaged
- Facilities Grading**
- Possibly damaged
 - Road, Destroyed
 - Road, Damaged
 - Road, Possibly damaged
 - Highway, No visible damage
 - Main road, No visible damage
- General Information**
- Area of Interest
 - Image Footprint
 - Not Analysed
- Placenames**
- Placename
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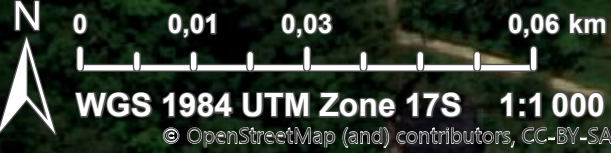
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Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha						9.6
Landslide	ha						14.4
Mudflow	ha						0.04
Flooded area	ha						0.03
Ancillary Crisis Information	Blocked road / interruption	No.					5
Estimated population	Number of inhabitants					~ 350	~ 4 300
Built-up	Residential Buildings	No.	0	1	85	86	86
	Industrial buildings	No.	1	4	116	121	121
	Other non-residential buildings	No.	0	0	5	5	5
Transportation	Highways	km	0	0	0.1	0.1	3.4
	Secondary Road	km	0	0.01	0	0.01	2.3
	Local Road	km	0.5	0.7	3.8	5.0	23.8
	Cart Track	km	0.01	0.2	0.5	0.7	3.8
	Bridges and elevated highways	No.	3	0	0	3	3
Facilities	Sport and recreation constructions	ha	0	0.8	0.4	1.1	1.1
Land use	Forests	ha				14.2	326.4
	Shrub and/or herbaceous vegetation association	ha				7.4	83.6
	Other	ha				2.4	28.7
* 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; Global Administrative Areas (2022).

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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