



EMSR796 - AOI02  
Flood in Ecuador  
PORTOVELO

Situation as of 30/04/2025 15:56 UTC  
Grading MONIT02 - Overview map 01



Flood Trace 2.3 ha  
Debris, Rockfall 0.1 ha  
Landslide 11.9 ha



Potentially affected  
population  
~ 50

Affected Built-up and Transportations



Built-Up  
112 No.



Road  
2.0 km



Bridge  
2 No.

#### Crisis Information

- Flood trace
- Debris, rockfall
- Landslide

#### Built Up Grading

- Damaged
- Possibly damaged

#### Facilities Grading

- Long-distance pipeline or line, Possibly damaged
- Damaged
- Possibly damaged

#### Transportation Grading

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

#### Administrative Boundaries

- Region
- Province
- Municipality

#### Placenames

- Placename

#### Hydrography

- Lake, River

**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 assessment emergency mapping.

**Data sources and analysis:** Pre-event image: Pléiades-1A © CNES (2024), 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 30/04/2025 at 15:56 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 Planetek Hellas released by e-Geos on the 01/05/2025.

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 30/04/2025 15:56 UTC  
Grading MONIT02 - Detail map 02



- Crisis Information**

  - Flood trace
  - Landslide

**Built Up Grading**

  - Possibly damaged
  - Road, Possibly damaged
  - Main road, No visible damage
  - Local road, No visible damage
  - Track, No visible damage
- General Information**

  - Area of Interest

**Administrative Boundaries**

  - Province

**Hydrography**

  - Lake, River

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Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha						2.3
Debris, Rockfall	ha						0.1
Landslide	ha						11.9
Estimated population	Number of inhabitants					~ 50	~ 10,000
Built-up	Residential Buildings	No.	0	0	67	67	NA
	Institutional	No.	0	0	0	0	NA
	Police station	No.	0	0	0	0	NA
	Fire station	No.	0	0	0	0	NA
	Wholesale and retail trade buildings	No.	0	0	0	0	NA
	Industrial buildings	No.	0	0	0	0	NA
	Public entertainment buildings	No.	0	0	0	0	NA
	Museums and libraries	No.	0	0	0	0	NA
	Sports halls	No.	0	0	1	1	NA
	Other non-residential buildings	No.	0	1	42	43	NA
	Buildings used as places of worship and for religious activities	No.	0	0	0	0	NA
	Building point	No.	0	1	0	1	NA
	Hotel buildings	No.	0	0	0	0	NA
Transportation	Primary Road	km	0	0	0.9	0.9	14.4
	Secondary Road	km	0	0	0.4	0.4	7.6
	Local Road	km	0	0.2	0.5	0.7	38.1
	Cart Track	km	0	0	0.03	0.03	11.8
	Bridges and elevated highways	No.	0	1	1	2	2
Facilities	Settling Basin	ha	0	0	0	0	1.0
	Constructions for mining or extraction	ha	0	0	13.3	13.3	61.3
	Sport and recreation constructions	ha	0	0.1	0	0.1	1.5
	Long-distance pipelines, communication and electricity lines	km	0	0	0.1	0.1	1.3
	Dams	km	0	0	0	0	0.03
Land use	Shrub and/or herbaceous vegetation association	ha				9.9	1,116.5
	Forests	ha				4.3	1,321.6
	Other	ha				0.1	45.9
	Inland wetlands	ha				0.04	13.3
* 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;  
© 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



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