

**EMSR870 - AOI05**  
**Flood in Ecuador**  
**LA SELVA**

**Situation as of 13/03/2026 23:38 UTC**  
Delineation MONIT01 - Overview map 01



**Flooded area**  
EO-based 40.4 ha  
Model-based 106.7 ha

**Potentially affected population**  
~ Not available

**Potentially Affected Transportations**

**Road**  
0.9 km

**Estimated flood depth (m)**

- Below 0.50
- 0.50 to 1.00

**General Information**

- Area of Interest
- Detail map

**Built-Up Area**

- Residential

**Hydrography**

- Lake, River

**Transportation**

- Highway
- Local road
- Track

**Event:** In the beginning of March 2026, heavy rainfall has been reported to have affected Ecuador, triggering flash floods, floods and landslides. The event is on-going and affecting large part of the country. The National Secretary for Risk Management asks for Rapid Mapping to analyse the flooded areas across the country. Copernicus EMS Rapid Mapping is requested to provide Delineation products, detection of landslides and estimation of affected population.

**Data sources and analysis:** Pre-event image: Sentinel-2 (2024) (acquired on 08/04/2024 at 15:52 UTC, resolution 10 m).  
Post-event image: Sentinel-1 (2026) (acquired on 13/03/2026 at 23:38 UTC, resolution 20 m).  
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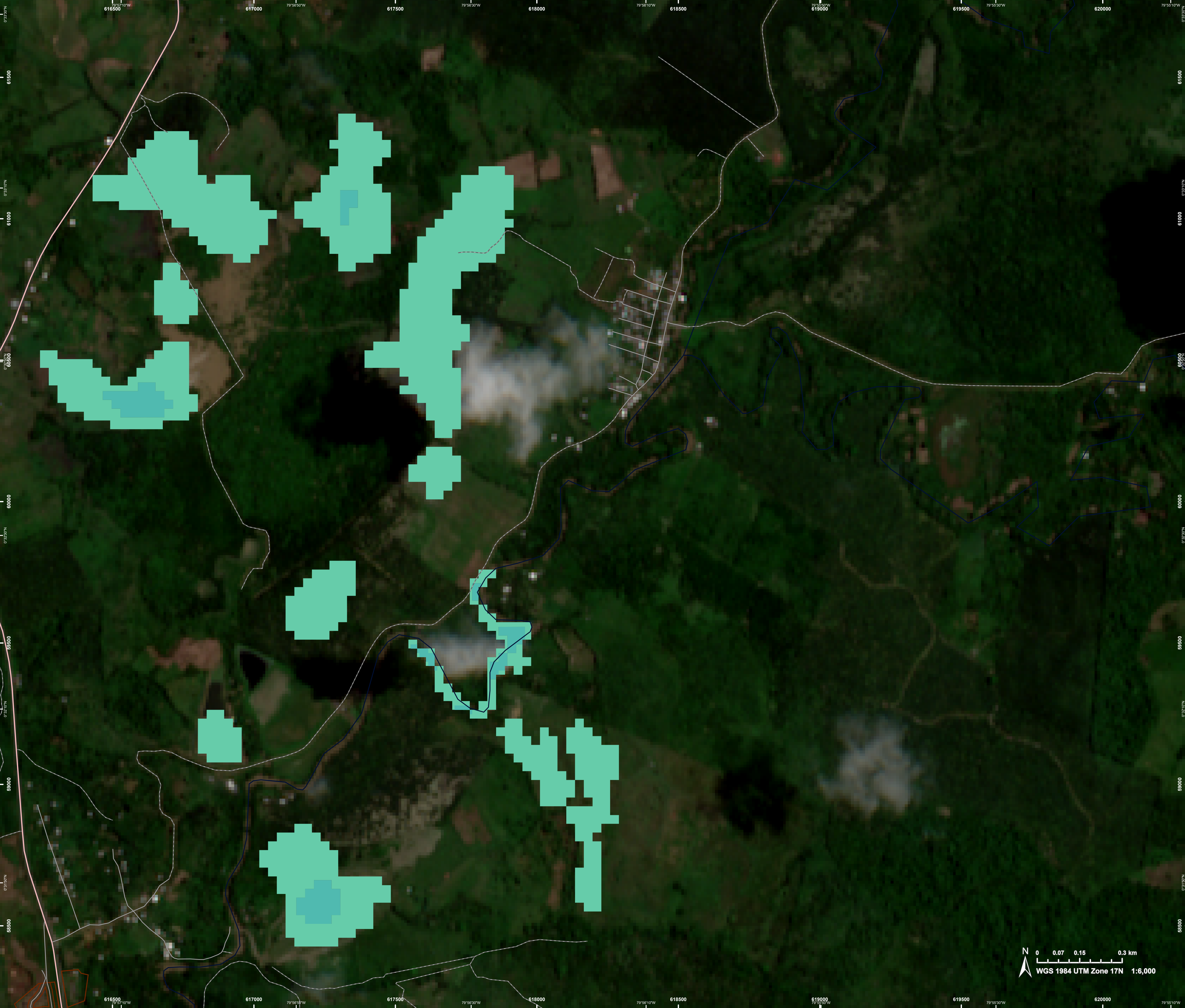
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.  
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by Telespazio Iberica released by e-GEOS on the 14/03/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR870>

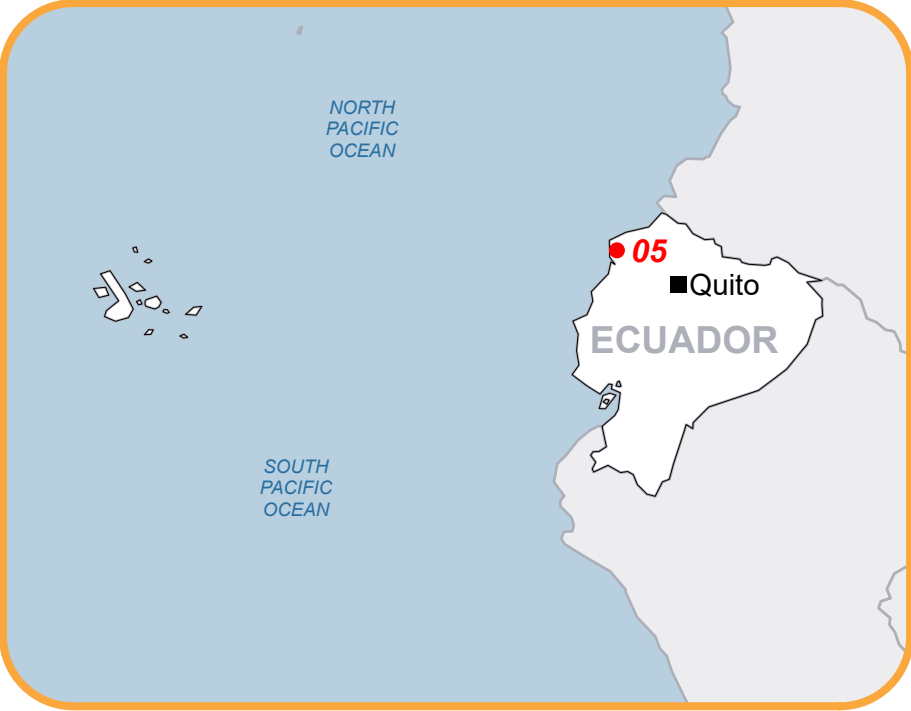






EMSR870 - AOI05  
Flood in Ecuador  
LA SELVA

Situation as of 13/03/2026 23:38 UTC  
Delineation MONIT01 - Detail map 02



Estimated flood depth (m)

Below 0.50

0.50 to 1.00

Transportation

Highway

Local road

Track

Built-Up Area

Residential

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Consequences within the AOI

				LATEST IMPACT		
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	40.4	106.7	147.1
	Maximum of all extents**		ha	40.4	106.7	147.1

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	NA	NA	NA	~ 3,000
Assets	Built-up	Residential Buildings	ha	0	0	0	18.1
	Transportation	Highways	km	0	0	0	13.4
		Local Road	km	0	0	0	29.2
		Cart Track	km	0.3	0.6	0.9	59.2
	Land use	Forests	ha	34.7	85.6	120.3	15,148.2
		Shrub and/or herbaceous vegetation association	ha	2.6	13.9	16.4	159.7
		Inland wetlands	ha	2.3	6.2	8.5	84.9
		Heterogeneous agricultural areas	ha	0.9	1.0	1.9	26.0

\* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water

\*\* Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

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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Access to the portal



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 (2026); Wikimapia.org; GeoNames 2015;

© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

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, 2024.

Digital Elevation Model:

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Digital Elevation Model (DEM) (Airbus, 2020).