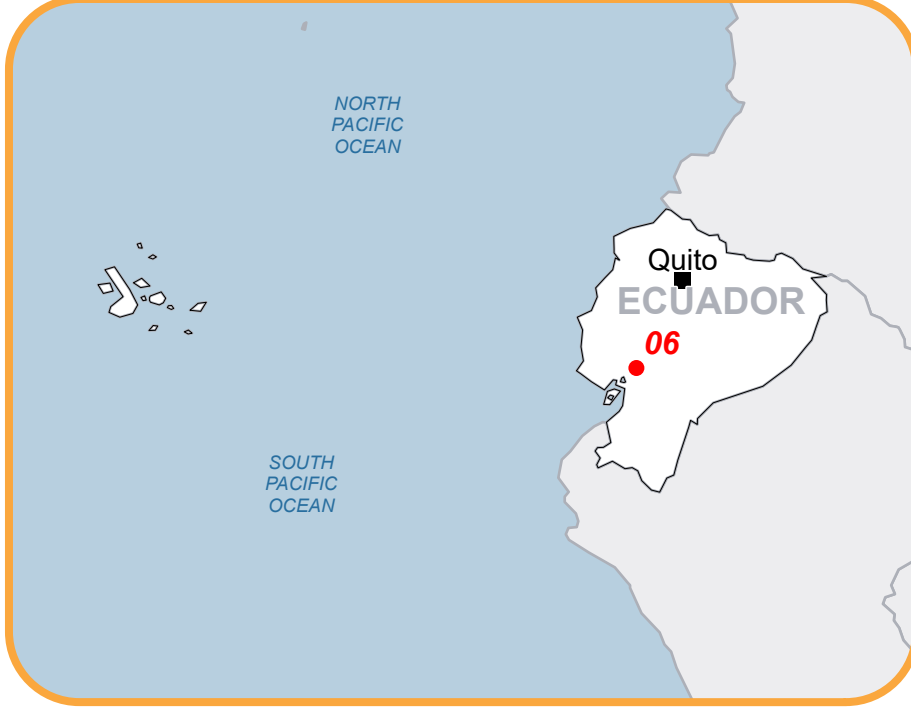




Situation as of 07/04/2025 11:20 UTC  
Delineation MONIT02 - Overview map 01



Flooded area  
146.1 ha

Potentially affected  
population  
~ 90

Potentially Affected Built-up and Transportations

Built-Up  
31.8 ha

Road  
0.7 km

Estimated flood depth (m)

Below 0.50  
0.50 - 1.00  
1.00 - 2.00

Crisis Information

Maximum Flood Extent

Area of Interest

Detail map

Not Analysed

Administrative Boundaries

Province

Municipality

Placenames

Placename

Built-Up Area

Residential

Non residential

School, university and  
research buildings

Hospital or institutional  
care buildings

Hydrography

Lake, River

Facilities

Long-distance pipelines  
or lines

Dam

Power plant

Sport and recreation  
constructions

Dump Site

Water or Aquatic  
infrastructure

Dam

Transportation

Highway

Main road

Local road

Track

Railway

Helipad

**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/B © CNES (2021 and 2022), distributed by Airbus DS (acquired on 21/07/2021 at 15:40 UTC and on 23/12/2022 15:39 UTC, resolution 0.5 m).

Post-event image: COSMO-SkyMed SG © ASI (2025), distributed by e-GEOS S.p.A. (acquired on 07/04/2025 at 11:20 UTC, resolution 3.0 m). All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

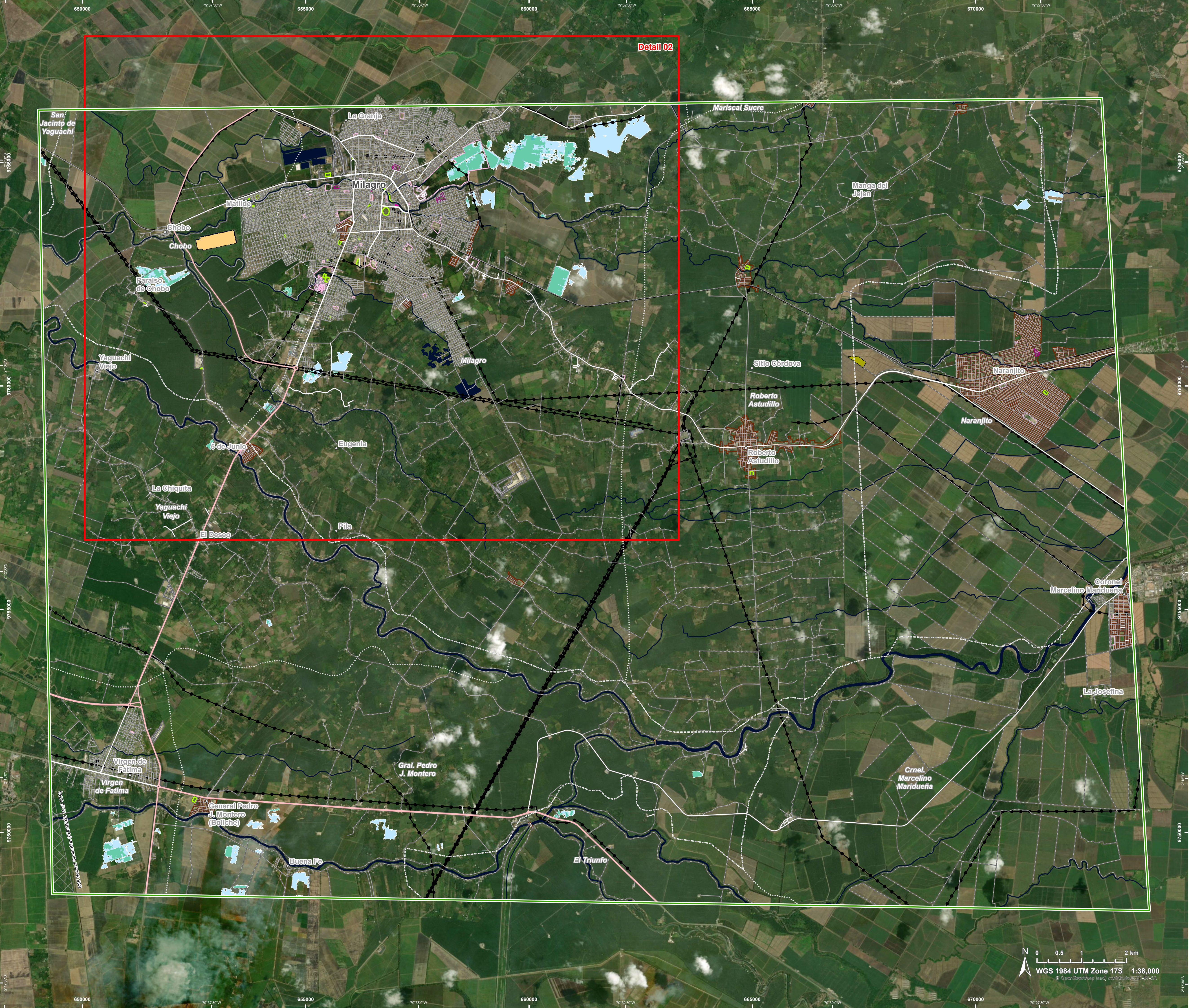
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

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 flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The maximum flood extent corresponds to the flood observed in all previous products (cumulative analysis). The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

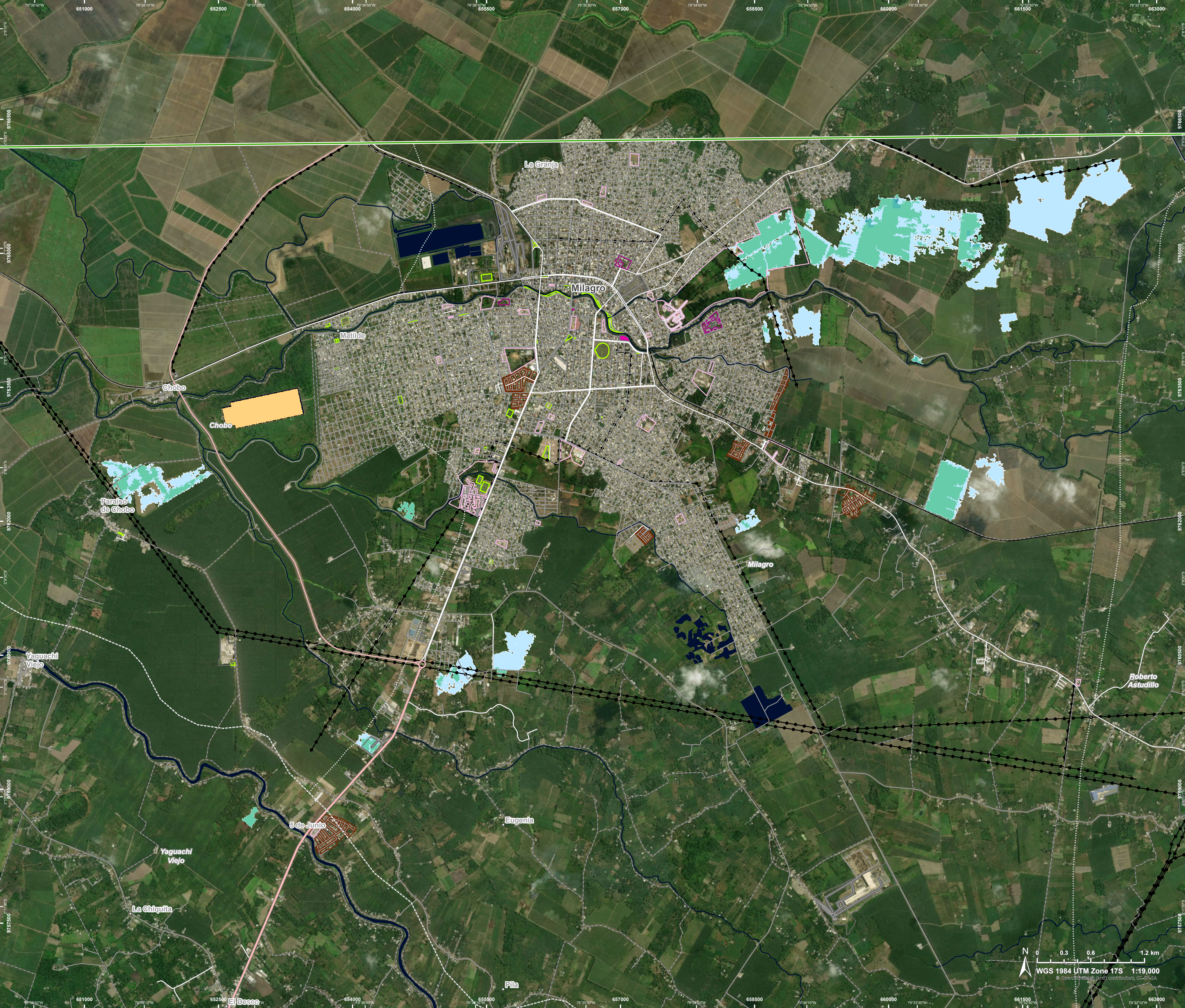
Map produced by GAF AG released by e-GEOS on the 08/04/2025.


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



0 0.5 1 2 km  
WGS 1984 UTM Zone 17S 1:38,000  
© Copernicus Mapping (and contributors) 2025







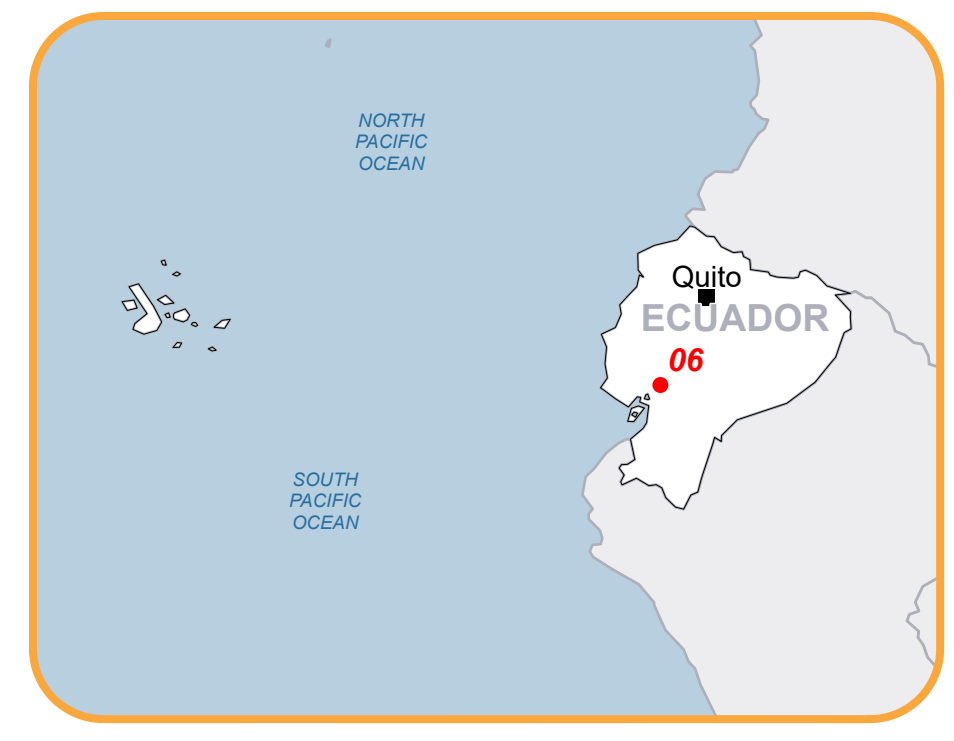
EMSR796 - AOI06

Flood in Ecuador

MILAGRO

Situation as of 07/04/2025 11:20 UTC

Delineation MONIT02 - Detail map 02



**Estimated flood depth (m)**

- Below 0.50
- 0.50 - 1.00
- 1.00 - 2.00

**Crisis Information**

- Maximum Flood Extent

**General Information**

- Area of Interest

**Administrative Boundaries**

- Province
- Municipality

**Placenames**

- Placename

**Built-Up Area**

- Residential
- Non residential
- School, university and research buildings

- Hospital or institutional care buildings

**Hydrography**

- Lake, River

**Facilities**

- Long-distance pipelines or lines
- Power plant
- Sport and recreation constructions
- Water or Aquatic infrastructure
- Dam

**Transportation**

- Highway
- Main road
- Local road
- Track
- Railway
- Helipad

**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: Pleiades-1A/B © CNES (2021 and 2022), distributed by Airbus DS (acquired on 21/07/2021 at 15:40 UTC and on 23/12/2022 15:39 UTC, resolution 0.5 m).

Post-event image: COSMO-SkyMed SG © ASI (2025), distributed by e-GEOS S.p.A. (acquired on 07/04/2025 at 11:20 UTC, resolution 3.0 m). 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 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 flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The maximum flood extent corresponds to the flood observed in all previous products (cumulative analysis). The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

Map produced by GAF AG released by e-GEOS on the 08/04/2025.

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





Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flooded area*		ha		146.1
Maximum flood extent**		ha		416.8
Estimated population	Number of inhabitants		~ 90	~ 270,000
Built-up	Residential Buildings	ha	0	376.5
	Office buildings	ha	0	1.0
	Wholesale and retail trade buildings	ha	0	0.2
	Industrial buildings	ha	0	100.8
	School, university and research buildings	ha	30.2	139.5
	Hospital or institutional care buildings	ha	0	4.9
	Cemetery	ha	1.6	11.5
Transportation	Helipad	ha	0	0.04
	Highways	km	0	62.5
	Primary Road	km	0	50.7
	Secondary Road	km	0	53.8
	Local Road	km	0.4	835.3
	Cart Track	km	0.3	598.2
Facilities	Long-distance railways	km	0	26.7
	Settling Basin	ha	0	25.2
	Dams	ha	0	0.5
	Power plant constructions	ha	0	0.6
	Sport and recreation constructions	ha	0	13.5
	Other civil engineering works not elsewhere classified	ha	0	4.6
	Long-distance pipelines, communication and electricity lines	km	0.6	172.6
Land use	Dams	km	0	0.1
	Heterogeneous agricultural areas	ha	78.6	19,527.6
	Inland wetlands	ha	40.7	5,360.2
	Forests	ha	13.4	14,140.6
	Shrub and/or herbaceous vegetation association	ha	8.0	1,778.7
	Other	ha	5.3	2,392.7

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

\*\* Corresponds to the water observed in all previous products and in all crisis imagery, excluding permanent water (cumulative analysis).

#### 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.

Access to 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).



PROGRAMME OF THE  
EUROPEAN UNION

