



Situation as of 20/01/2026 00:25 UTC
Delineation MONIT02 - Overview map 01



 **Flooded area**
EO-based 14,430.2 ha
Model-based 3,434.1 ha

 **Potentially affected population**
~ 310

Potentially Affected Transportations

 **Built-Up**
2.1 ha

 **Road**
19.4 km

Estimated flood depth (m)

- Below 0.50
- 0.50 to 1.00
- 1.00 to 2.00
- 2.00 to 4.00
- Above 4.00

General Information

- Area of Interest
- Detail map

Hydrography

- Lake, River

Transportation

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

Event: Heavy rain that started in December, has caused several floods in Mozambique. The event is ongoing. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation and flood extent emergency mapping.

Data sources and analysis:
Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 04/09/2024, resolution 8.0 m).
Post-event image: IE00 © copyright owned by ICEYE OY (acquired on 20/01/2026 at 00:25 UTC, resolution 6.0 m).

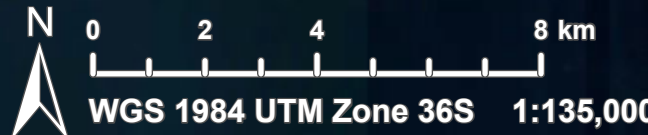
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

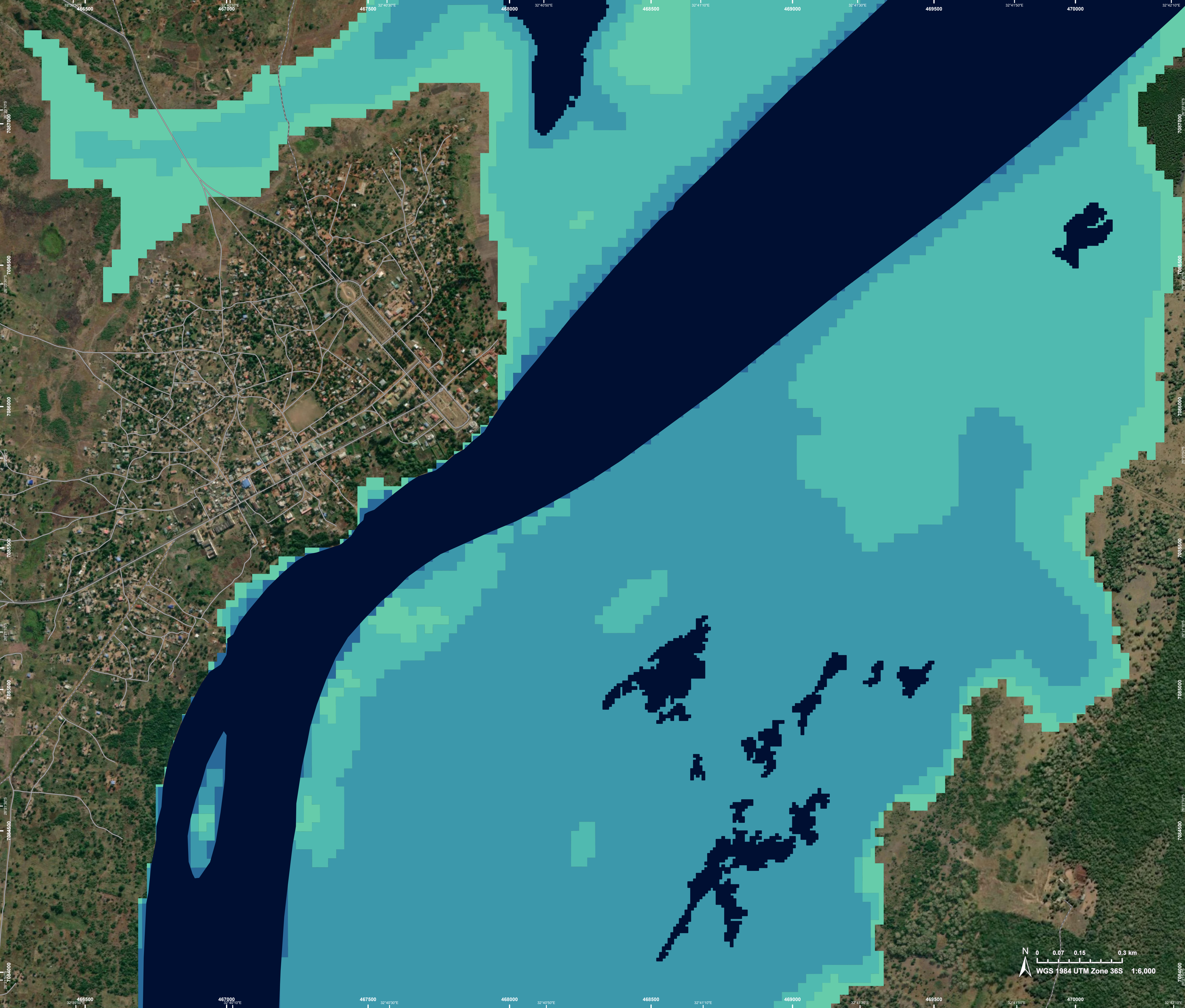
The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.








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 SERTIT released by e-GEOS on the 20/01/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR857>





Estimated flood depth (m)	Hydrography
 Below 0.50	 Lake, River
 0.50 to 1.00	Transportation
 1.00 to 2.00	 Local road
 2.00 to 4.00	 Track

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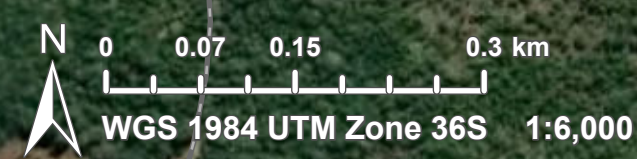
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Consequences within the AOI

				LATEST IMPACT		
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	14,430.2	3,434.1	17,864.3
	Maximum of all extents**		ha	14,430.2	3,434.1	17,864.3

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 250	~ 60	~ 310	~ 14,000
Assets	Built-up	Residential Buildings	ha	0	0	0	3.0
		Industrial buildings	ha	0.04	2.1	2.1	94.6
	Transportation	Helipad	ha	0	0	0	0.04
		Highways	km	3.1	0.4	3.5	36.3
		Secondary Road	km	0	0	0	2.8
		Local Road	km	2.9	2.8	5.7	182.4
		Cart Track	km	6.7	3.5	10.2	134.1
		Long-distance railways	km	0	0	0	18.3
	Facilities	Constructions for mining or extraction	ha	55.6	22.5	78.2	176.7
		Long-distance pipelines, communication and electricity lines	km	0	0	0	14.6
	Land use	Shrub and/or herbaceous vegetation association	ha	5,737.8	1,184.0	6,921.8	12,735.5
		Inland wetlands	ha	3,523.1	753.9	4,277.1	6,898.1
		Forests	ha	2,631.8	1,237.1	3,868.9	48,809.8
		Heterogeneous agricultural areas	ha	2,366.9	204.9	2,571.8	3,982.3
		Other	ha	158.8	52.9	211.7	3,636.9
		Open spaces with little or no vegetation	ha	11.9	1.2	13.1	13.1

* 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/>
☐ European Union / Copernicus Emergency Management Service

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).

Access to the portal

