

Situation as of 23/01/2026 03:17 UTC
Delineation MONIT03 - Overview map 01



Flooded area
EO-based 125,697.1 ha
Model-based 23,081.3 ha

Potentially affected population
~ 7,900

Potentially Affected Built-up and Transportations

Built-Up
285.3 ha

Road
639.7 km

Railway
13.2 km

Water infrastructure
0.2 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

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
- Mining or extraction site
- Power plant
- Sport and recreation constructions
- Transportation
- Highway
- Main road
- Local road
- Track
- Railway
- Airfield runway
- Airfield

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: Sentinel-2 (2025) (acquired on 23/11/2025 at 07:55 UTC; resolution 10.0 m). This image is used as background image. Post-event image: Sentinel-1 (2026) (acquired on 23/01/2026 at 03:17 UTC; resolution 10.0 m).

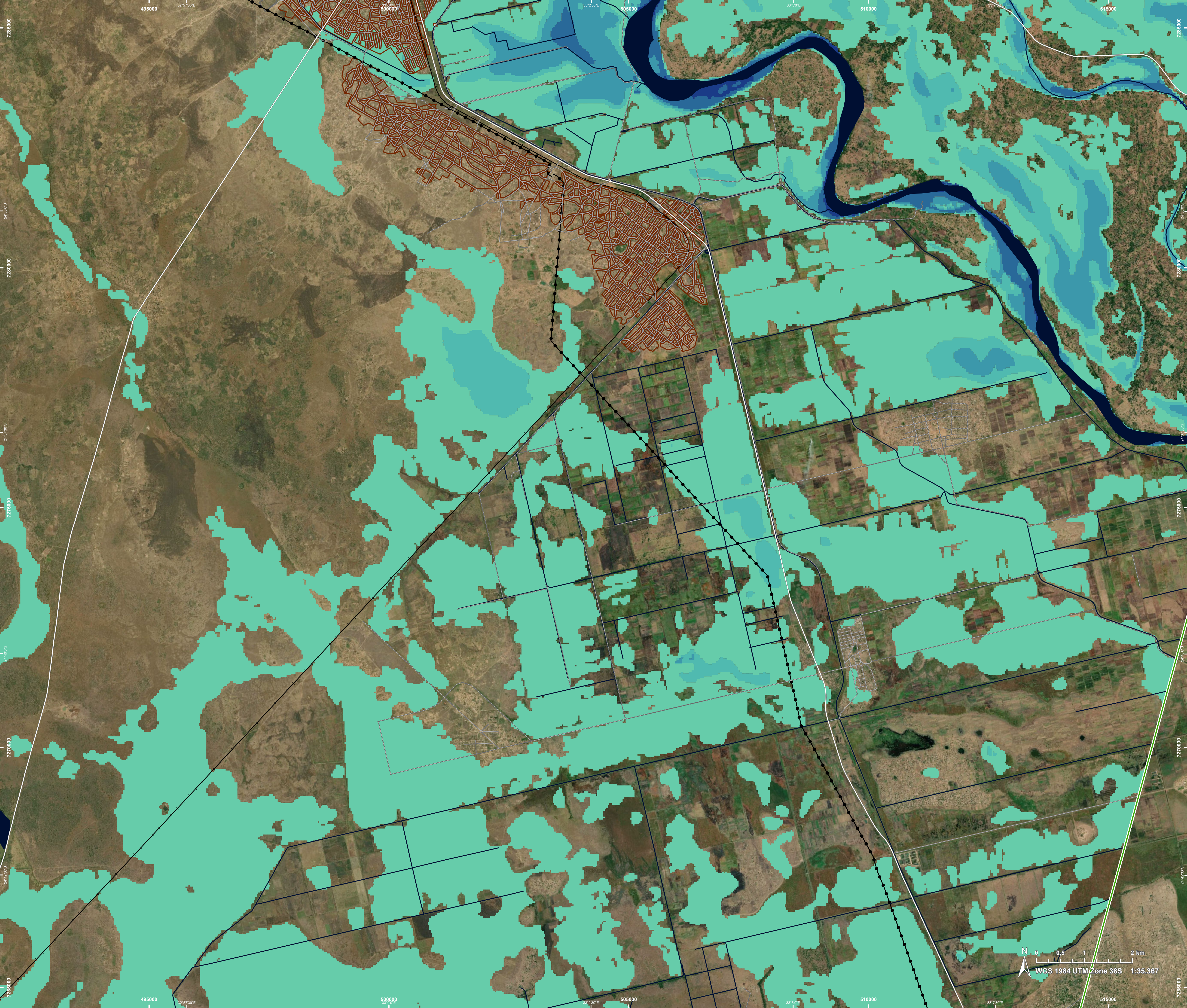
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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

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 e-GEOS released by e-GEOS on the 23/01/2026.

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



 **EMSR857 - AOI06**
Flood in Mozambique
PALMEIRA

Situation as of 23/01/2026 03:17 UTC
Delineation MONIT03 - Detail map 02



- 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

Built-Up Area

 - Residential
 - Non residential
- Hydrography**

 - Lake, River

Facilities

 - Long-distance pipelines or lines
 - Dam

Transportation

 - Main road
 - Local road
 - Track
 - Railway

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: Sentinel-2 (2025) (acquired on 23/11/2025 at 07:55 UTC, resolution 10.0 m). This image is used as background image. Post-event image: Sentinel-1 (2026) (acquired on 23/01/2026 at 03:17 UTC, resolution 10.0 m).

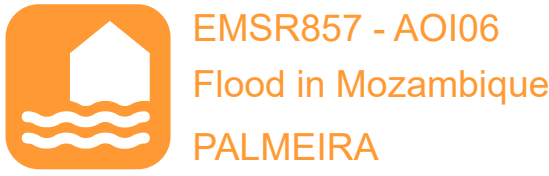
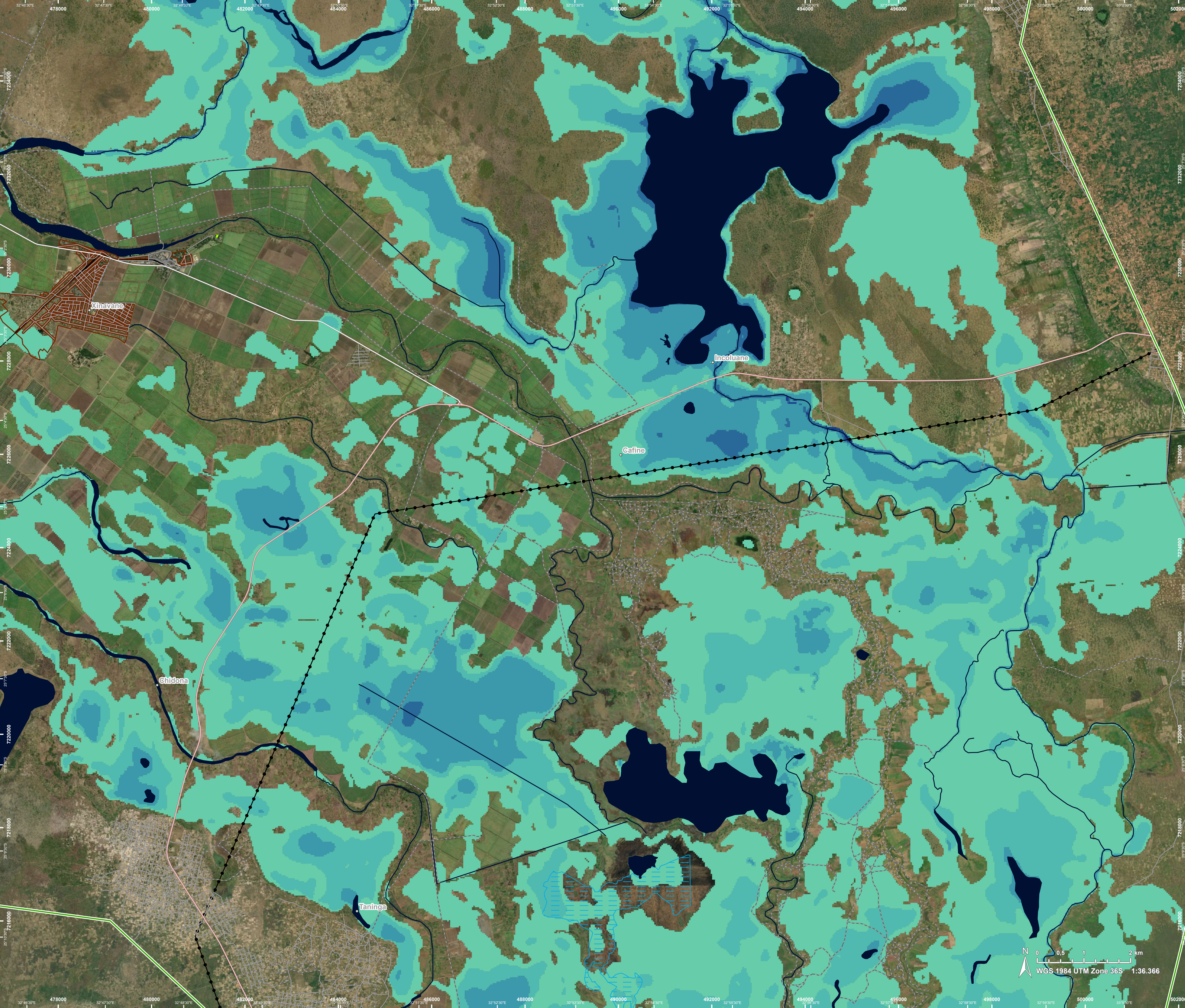
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Situation as of 23/01/2026 03:17 UTC
Delineation MONIT03 - Detail map 03



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

Built-Up Area

- Residential
- Non residential

Hydrography

- Lake, River

Facilities

- Long-distance pipelines or lines
- Sport and recreation constructions

Transportation

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

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: Sentinel-2 (2025) (acquired on 23/11/2025 at 07:55 UTC; resolution 10.0 m). This image is used as background image. Post-event image: Sentinel-1 (2026) (acquired on 23/01/2026 at 03:17 UTC; resolution 10.0 m).

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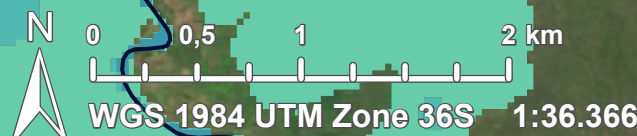
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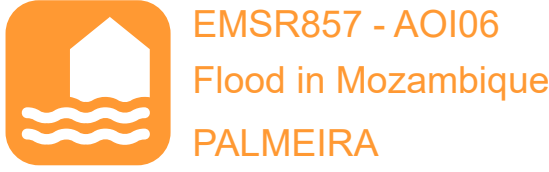
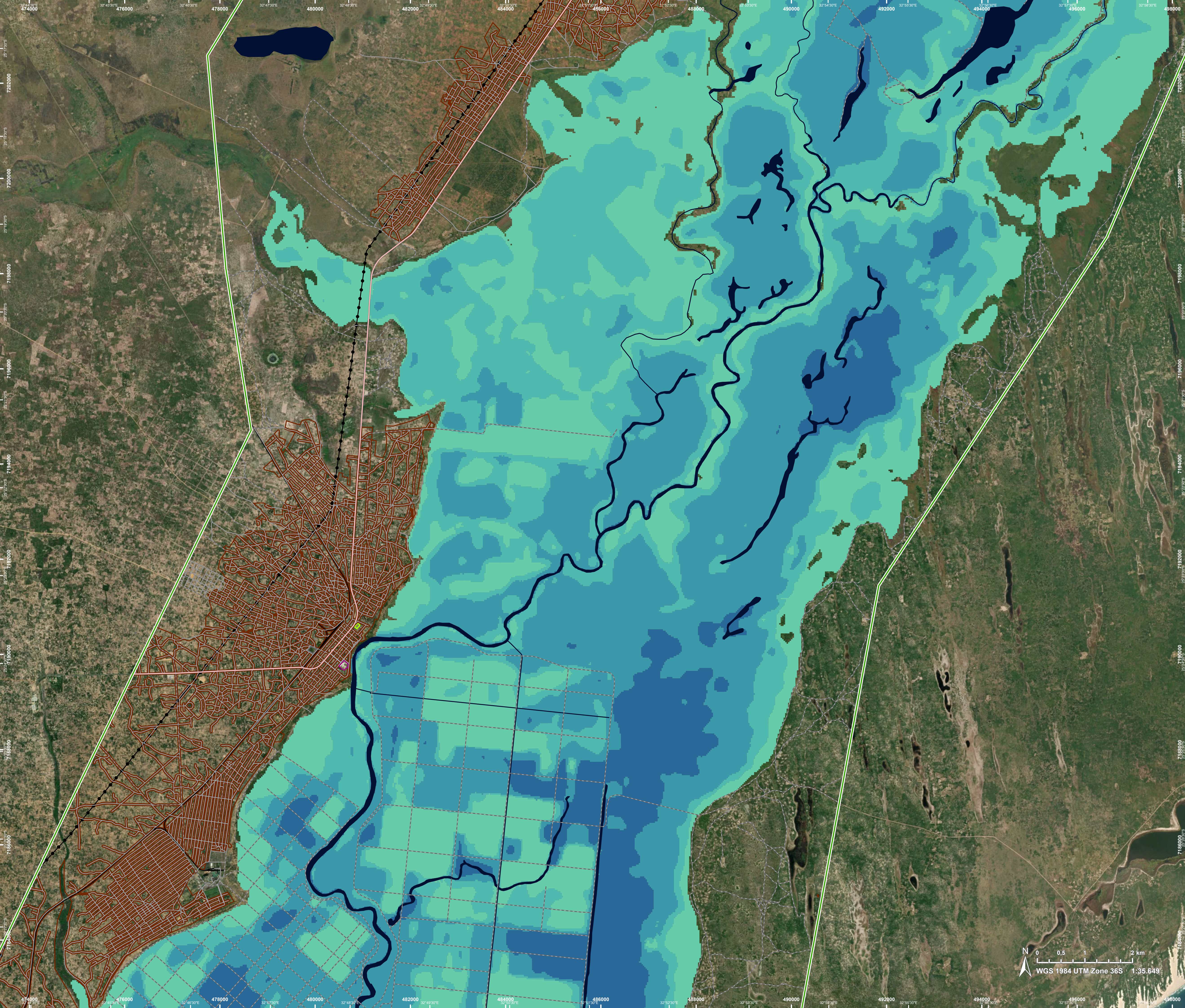
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PROGRAMME OF THE
EUROPEAN UNION





Situation as of 23/01/2026 03:17 UTC
Delineation MONIT03 - Detail map 04



- Estimated flood depth (m)**

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

General Information

 - Area of Interest

Built-Up Area

 - Residential
 - Non residential
 - Hospital or institutional care buildings
- Hydrography**

 - Lake, River

Facilities

 - Long-distance pipelines or lines
 - Sport and recreation constructions

Transportation

 - Highway
 - Local road
 - Track
 - Railway

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: Sentinel-2 (2025) (acquired on 23/11/2025 at 07:55 UTC; resolution 10.0 m). This image is used as background image. Post-event image: Sentinel-1 (2026) (acquired on 23/01/2026 at 03:17 UTC, resolution 10.0 m).

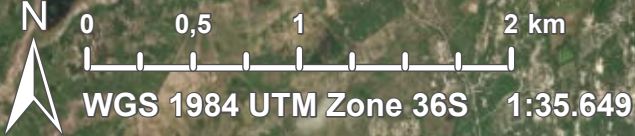
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Consequences within the AOI

				LATEST IMPACT		
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	125.697,1	23.081,3	148.778,4
	Maximum of all extents**		ha	125.697,1	23.081,3	148.778,4

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 1.400	~ 6.500	~ 7900,0	~ 490.000
Assets	Built-up	Residential Buildings	ha	24,0	261,2	285,3	20.683,4
		Office buildings	ha	0	0	0	0,2
		Wholesale and retail trade buildings	ha	0	0	0	4,4
		Industrial buildings	ha	0	0	0	69,8
		School, university and research buildings	ha	0	0	0	11,3
		Hospital or institutional care buildings	ha	0	0	0	9,0
		Cemetery	ha	0	0	0	11,1
	Transportation	Airfield runways	ha	0	0	0	15,1
		Airfield runways	km	0	0	0	2,3
		Highways	km	3,9	6,1	10,0	88,0
		Primary Road	km	7,6	5,2	12,8	93,1
		Secondary Road	km	4,4	4,8	9,2	156,7
		Local Road	km	15,8	31,8	47,6	2.404,1
		Cart Track	km	454,1	105,9	560,0	1.927,7
		Long-distance railways	km	6,2	7,0	13,2	204,0
	Facilities	Constructions for mining or extraction	ha	0	0	0	3,3
		Power plant constructions	ha	0	0	0	0,8
		Sport and recreation constructions	ha	1,0	0,6	1,6	25,3
		Long-distance pipelines, communication and electricity lines	km	34,8	9,9	44,7	286,2
		Dams	km	0,01	0,2	0,2	3,2
	Land use	Heterogeneous agricultural areas	ha	44.549,5	9.236,1	53.785,7	134.957,1
		Inland wetlands	ha	36.453,8	4.891,3	41.345,1	51.494,6
		Shrub and/or herbaceous vegetation association	ha	31.425,6	5.021,5	36.447,1	85.361,7
		Forests	ha	12.896,5	3.616,5	16.513,0	148.602,1
		Other	ha	321,7	314,6	636,3	16.293,1
		Open spaces with little or no vegetation	ha	49,9	1,3	51,1	102,9

* 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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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 (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