

Situation as of 21/01/2026 03:01 UTC
Delineation - Overview map 01



Flooded area
EO-based 661.0 ha
Model-based 1,339.2 ha
Potentially affected population
~ 230

Potentially Affected Built-up and Transportations

Road
1.8 km
Built-Up
0.7 ha

Estimated flood depth (m)	Hydrography
Below 0.50	Lake, River
0.50 to 1.00	
1.00 to 2.00	
General Information	Facilities
Area of Interest	Long-distance pipelines or lines
Detail map	
Built-Up Area	Transportation
Residential	Highway
	Local road
	Track
	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: ESRI World Imagery © DigitalGlobe 2024 (acquired on 10/08/2024 at 00:00 UTC, resolution 1,1 m). Post-event image: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2021 (acquired on 21/01/2026 at 03:01 UTC, resolution 8.2 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.

The extrapolated flood extent and depth are generated by integrating observed flooded 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 ITHACA 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 - AOI08
Flood in Mozambique
NOVA MAMBONE

Situation as of 21/01/2026 03:01 UTC
Delineation - Detail map 02



- Estimated flood depth (m)**

 - Below 0.50
 - 0.50 to 1.00
 - 1.00 to 2.00

General Information

 - Area of Interest

Built-Up Area

 - Residential
- Hydrography**

 - Lake, River

Transportation

 - Local road
 - Track
 - Airfield runway

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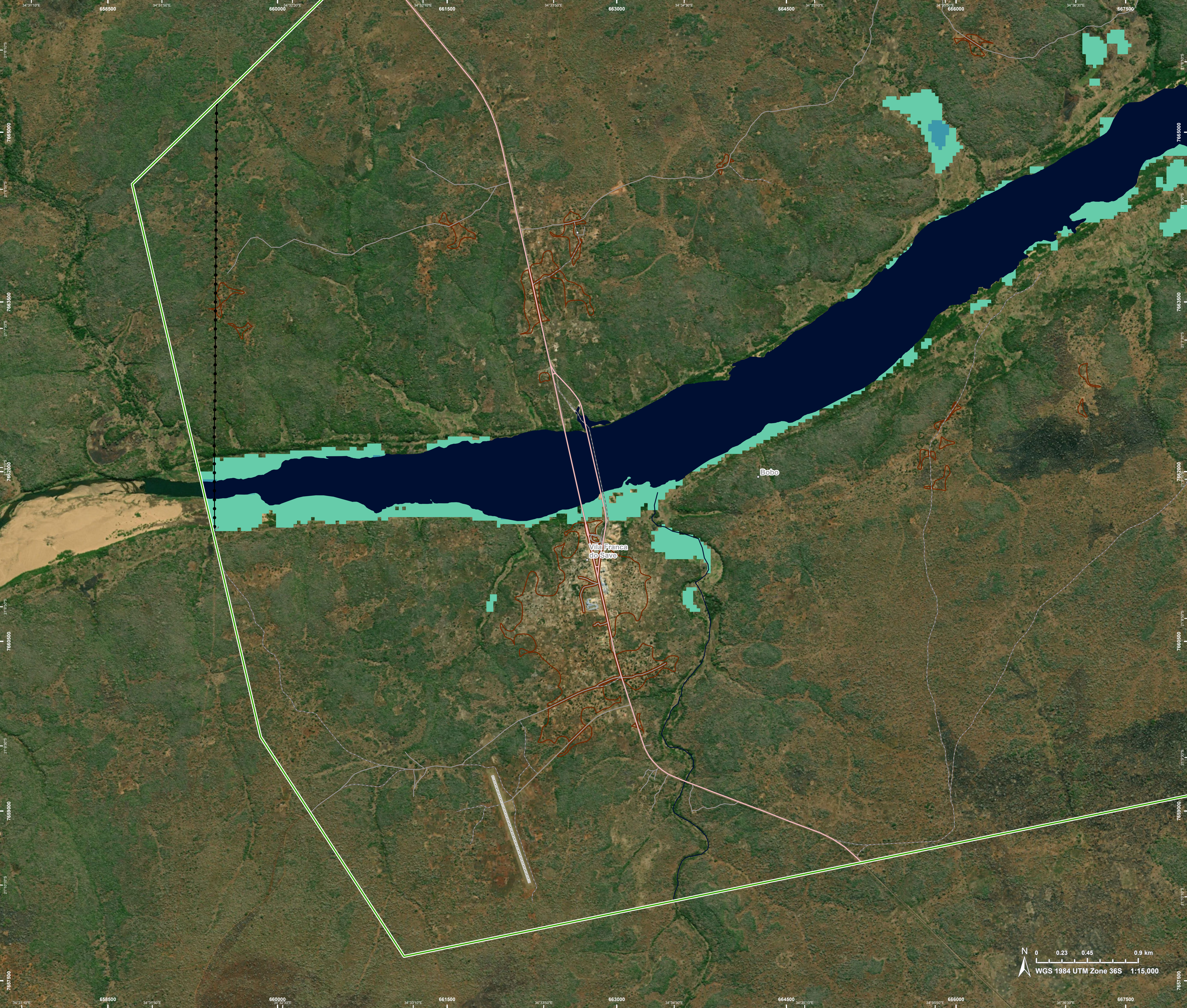
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EMSR857 - AOI08
Flood in Mozambique
NOVA MAMBONE

Situation as of 21/01/2026 03:01 UTC
Delineation - Detail map 03



- | | |
|----------------------------------|----------------------------------|
| Estimated flood depth (m) | Hydrography |
| Below 0.50 | Lake, River |
| 0.50 to 1.00 | Facilities |
| 1.00 to 2.00 | Long-distance pipelines or lines |
| General Information | Transportation |
| Area of Interest | Highway |
| Built-Up Area | Local road |
| Residential | Track |
| | Airfield |

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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	661.0	1,339.2	2,000.2
	Maximum of all extents**		ha	661.0	1,339.2	2,000.2

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 80	~ 150	~ 230	~ 52,000
Assets	Built-up	Residential Buildings	ha	0.04	0.7	0.7	1,236.9
	Transportation	Airfield runways	ha	0	0	0	1.8
		Airfield runways	km	0	0	0	0.6
		Highways	km	0	0.2	0.2	12.0
		Local Road	km	0.03	0.1	0.1	106.1
		Cart Track	km	0.5	1.0	1.5	126.7
	Facilities	Long-distance pipelines, communication and electricity lines	km	0.4	0.1	0.5	3.9
	Land use	Other	ha	217.4	126.6	344.0	3,653.9
		Forests	ha	171.6	296.0	467.5	27,898.1
		Shrub and/or herbaceous vegetation association	ha	153.3	533.6	686.9	16,683.0
		Heterogeneous agricultural areas	ha	62.8	229.7	292.5	6,977.9
		Inland wetlands	ha	56.0	153.4	209.4	973.8
		Open spaces with little or no vegetation	ha	0	0	0	116.7

* 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.

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).

