

# MADAGASCAR

## VOHIPENO DISTRICT, VATOVAVY FITOVINANY REGION

IMAGERY ANALYSIS: 05/01/2024 PUBLISHED 05/01/2024 V1



**TROPICAL CYCLONE**  
TC20240102MDG



**Satellite detected water extent in Vohipeno District, Votovavy Fitovinany Region, Madagascar as of 05 January 2024**

This map illustrates satellite-detected water extent in Vohipeno District, Votovavy Fitovinany Region as observed from a Sentinel-1 image acquired on 05 January 2024 at 05:20 local time. Within the extent of this map of about 600 km<sup>2</sup>, a total of about 50 km<sup>2</sup> of lands appear to be affected with flood waters. Based on Worldpop population data and the detected surface waters, about 17,700 people are potentially exposed or living close to flooded areas.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

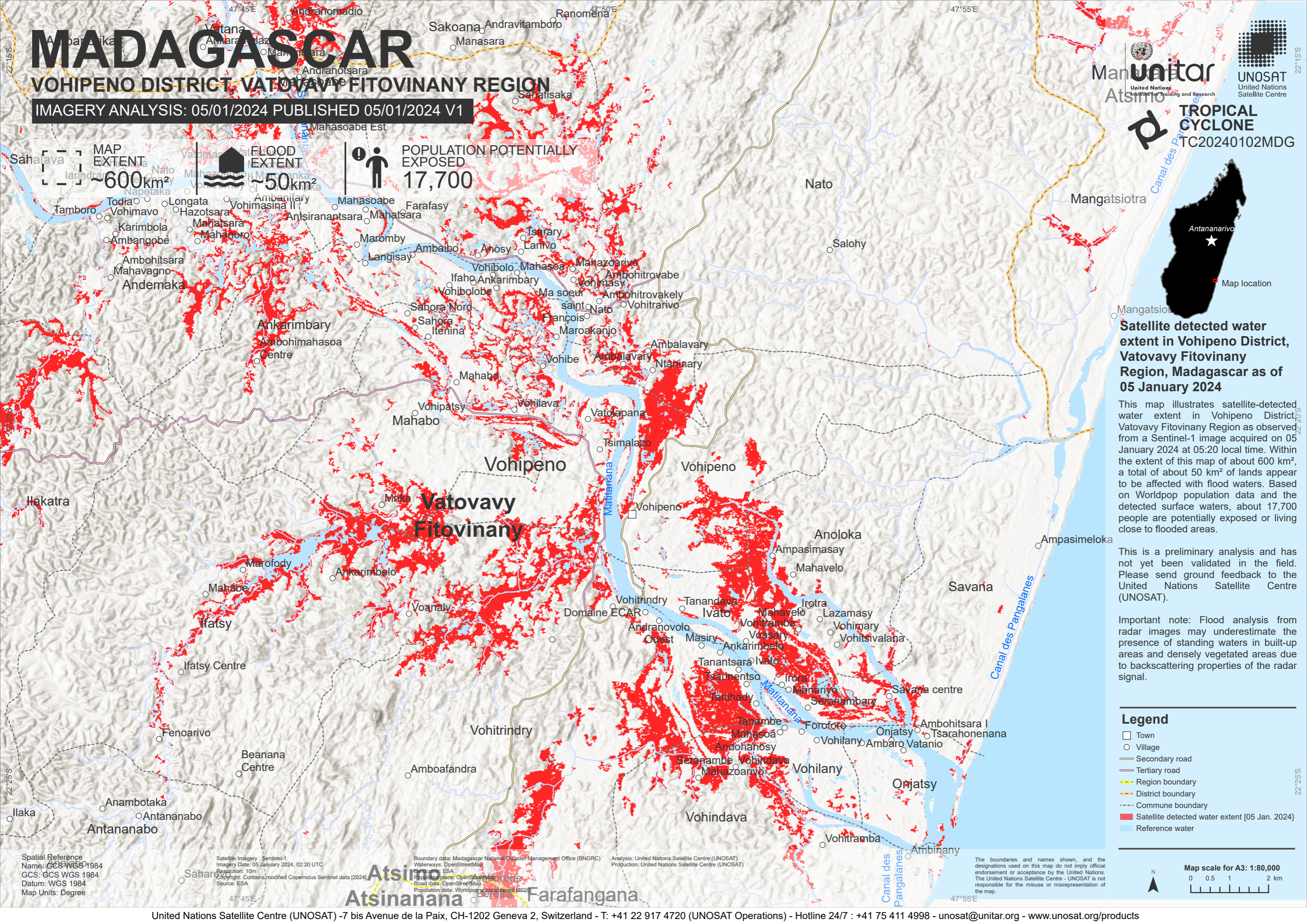
Important note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering properties of the radar signal.

**Legend**

- Town
- Village
- Secondary road
- Tertiary road
- Region boundary
- District boundary
- Commune boundary
- Satellite detected water extent [05 Jan. 2024]
- Reference water

**Map scale for A3: 1:80,000**

0 0.5 1 2 km



Spatial Reference Name: GCS WGS 1984  
GCS: GCS WGS 1984  
Datum: WGS 1984  
Map Units: Degree

Satellite Imagery: Sentinel-1  
Imagery Date: 05 January 2024, 02:20 UTC  
Resolution: 10m  
Copyright: Contains modified Copernicus Sentinel data (2024)  
Source: ESA

Boundary data: Madagascar National Disaster Management Office (BNGRC)  
Waterways: OpenStreetMap  
Communes: ESA  
Population: OpenStreetMap  
Road data: OpenStreetMap  
Population data: Worldpop unconstrained (2020)

Analysis: United Nations Satellite Centre (UNOSAT)  
Production: United Nations Satellite Centre (UNOSAT)

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