

# MADAGASCAR

## VOHIPENO DISTRICT, VATOVAVY FITOVINANY REGION

IMAGERY ANALYSIS: 23/02/2023 PUBLISHED 24/03/2022 V1.

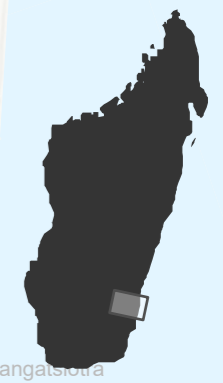
ANALYSED AREA  
1,100 km<sup>2</sup>

FLOODS EXTENT  
~40 km<sup>2</sup>

POPULATION POTENTIALLY EXPOSED  
10,000



**TROPICAL CYCLONE**  
TC20230221MDG



### Satellite-detected water extents in Vohipeno District, Vatovavy Fitovinany Region, Madagascar as of 23 February 2023

This map illustrates satellite-detected water in Vohipeno district, Vatovavy Fitovinany region, Madagascar from a TerraSAR-X imagery acquired on 23 February 2023 at 05:19 local time.

Within the analyzed area of about 1,100 km<sup>2</sup>, about 40 km<sup>2</sup> of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 231,000 people live within analysed area while 10,000 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 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**

- City / Town
- Village
- Commune boundary
- Analysis extent
- Main road
- Secondary road
- District boundary
- Reference water
- Satellite detect water [23 Feb 2023]

Region / District / Commune	Area in analysis extent (km <sup>2</sup> )	Flood water extent (km <sup>2</sup> )	Total population in Analysis extent	Population potentially exposed to floods
<b>Vatovavy Fitovinany</b>	<b>1,093</b>	<b>38</b>	<b>230,554</b>	<b>9,926</b>
<b>Vohipeno</b>	<b>840</b>	<b>28</b>	<b>166,612</b>	<b>6,492</b>
Andemaka	41	4.3	9,046	893
Ankarimbary	26	2.0	5,045	473
Anoloka	21	1.0	2,606	178
Antananabo	23	0.2	5,118	68
Ifatsy	62	2.3	8,144	355
Ilakatra	203	2.8	19,427	333
Ivato	5	0.9	1,171	188
Lanivo	30	1.5	5,704	305
Mahabo	22	0.9	4,394	236
Mahasoabe	9	0.9	2,394	251
Mahazoarivo	94	1.7	8,321	108
Nato	34	1.1	7,091	331
Orjatsy	7	0.3	2,763	79
Sahalava	86	1.5	12,746	82
Savana	15	0.4	2,171	107
Vohilany	5	0.3	3,159	134
Vohindava	49	0.2	18,512	206
Vohipeno	35	3.1	8,239	980
Vohitrindry	73	3.2	40,559	1186
<b>Manakara Atsimo</b>	<b>253</b>	<b>9</b>	<b>63,942</b>	<b>3,434</b>
Ambahive	37	0.8	9,875	260
Ambalaroka	44	2.5	11,331	757
Ambandrika	23	1.4	6,614	415
Bekatra	53	0.1	9,032	28
Lokomby	43	1.0	13,036	367
Sakoana	33	0.7	5,242	238
Vatana	20	2.8	8,812	1369