

# MOZAMBIQUE

## MAGANJA DA COSTA, NAMACURRA & NICOADALA DISTRICTS, ZAMBEZIA PROVINCE

IMAGERY ANALYSIS: 17/03/2022 PUBLISHED 17/03/2022 V1.

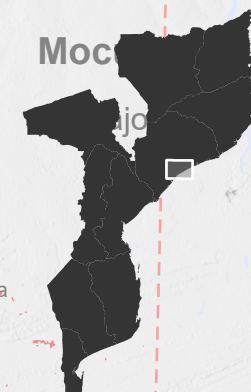
ANALYSED  
AREA  
6,970km<sup>2</sup>

FLOODS  
EXTENT  
442km<sup>2</sup>

POPULATION  
POTENTIALLY EXPOSED  
36,500



TROPICAL  
CYCLONE  
TC20220311MOZ



Satellite detected water  
extents in Maganja Da  
Costa, Namacurra &  
Nicoadala Districts,  
Zambezia Province,  
Mozambique  
as of 17 March 2022

This map illustrates satellite-detected surface waters in Maganja Da Costa, Namacurra & Nicoadala Districts, Zambezia Province, Mozambique as observed from a Sentinel-1 image acquired on 17 March 2022 at 05:00 local time. Within the analyzed area of about 6,970 km<sup>2</sup>, about 442 km<sup>2</sup> of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 36,500 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
- Primary road
- Secondary road
- Tertiary road
- District boundary
- Posto Boundary
- Reference water
- Analysis extent
- Satellite detected water [17 Mar. 2022]

District / Posto	Analyzed area [km <sup>2</sup> ]	Flood extent as of 17 Mar. 2022 [km <sup>2</sup> ]	Population in AOI	Population Potentially Exposed to Floods as of 17 Mar. 2022
Cidade De Quelimane	30	0	33,462	24
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Maganja Da Costa	2,527	233	201,077	15,229
Maganja	1,403	141	117,356	8,222
Nante	1,124	92	83,721	7,007
Maquival	396	8	70,567	1,282
Maquival	396	8	70,567	1,282
Mocuba	504	2	12,035	49
Mocuba	504	2	12,035	49
Mocubela	393	8	18,190	406
Bajone	319	7	16,129	343
Mocubela	73	1	2,060	63
Namacurra	2,021	98	230,834	12,182
Macuze	645	59	84,376	6,617
Namacurra	1,376	39	146,458	5,566
Nicoadala	1,100	93	123,374	7,522
Nicoadala	1,100	93	123,374	7,522
Total	6,970	442	689,539	36,696

Spatial Reference  
Name: WGS 1984 UTM Zone 37S  
PCS: WGS 1984 UTM Zone 37S  
GCS: GCS WGS 1984  
Datum: WGS 1984

Satellite Data (1): Sentinel-1  
Imagery Date: 17 Mar. 2022 at 03:00 UTC  
Resolution: 10 m  
Copyright: Contains modified Copernicus Sentinel Data [2022]  
Source: ESA  
Administrative boundaries: Mozambique INE (Instituto Nacional de Estatística)

Population data: WorldPop [2020]  
Reference Water: ESRI Land cover  
Populated place: OpenStreetMap  
Road data: OpenStreetMap  
Waterways: OpenStreetMap  
Settlement extent: GRID3

Background: ALOS Global DSM  
Analysis: United Nations Satellite Centre (UNOSAT)  
Production: United Nations Satellite Centre (UNOSAT)



Map scale for A3: 1:300,000  
0 2 4 8 KM  
37°50'E