

MOZAMBIQUE

MAGANJA DA COSTA, NAMACURRA & NICOADALA DISTRICTS, ZAMBEZIA PROVINCE

IMAGERY ANALYSIS: 22/03/2022 PUBLISHED 23/03/2022 V1.

Mocuba

ANALYSED
AREA

6,174km²

FLOODS
EXTENT

496km²

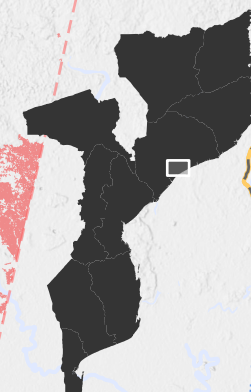


POPULATION
POTENTIALLY EXPOSED

49,100



**TROPICAL
CYCLONE**
TC20220311MOZ



**Satellite detected water
extents in Maganja Da
Costa, Namacurra &
Nicoadala Districts,
Zambezia Province,
Mozambique
as of 22 March 2022**

This map illustrates satellite detected surface waters in Maganja Da Costa, Namacurra & Nicoadala Districts, Zambezia Province, Mozambique as observed from a TerraSAR-X image acquired on 22 March 2022 at 05:01 local time. Within the analyzed area of about 6,174 km², about 496 km² of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 49,100 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

District / Posto	Analyzed area [km ²]	Flood extent as of 22 Mar. 2022 [km ²]	Population in AOI	Population Potentially Exposed to Floods as of 22 Mar. 2022
Maganja Da Costa	2 278	231	187 025	16 684
Maganja	1 050	126	99 448	8 582
Nante	1 227	105	87 577	8 102
Maquival	154	12	20 172	1 640
Maquival	154	12	20 172	1 640
Mocuba	829	5	22 463	157
Mocuba	829	5	22 463	157
Mocubela	221	1	4 731	66
Mocubela	221	1	4 731	66
Namacurra	2 018	172	230 517	21 961
Macuze	643	78	84 059	8 622
Namacurra	1 376	95	146 458	13 340
Nicoadala	675	74	96 179	8 571
Nicoadala	675	74	96 179	8 571
Total	6 174	496	561 087	49 080

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

Satellite Data (1): TerraSAR-X
Imagery Date: 22 Mar. 2022 at 03:01 UTC
Resolution: 1.75 m
Copyright: DLR e.V. (2022), Distribution Airbus DS Geo GmgH
Source: DLR

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

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



Map scale for A3: 1:250,000
0 1,75 3,5 7 KM