# MOZAMBIQUE

## MAGANJA DA COSTA & NAMACURRA DISTRICTS, ZAMBEZIA PROVINCE

IMAGERY ANALYSIS: 16/03/2022 PUBLISHED 16/03/2022 V1.

ANALYSED AREA
12,395ha

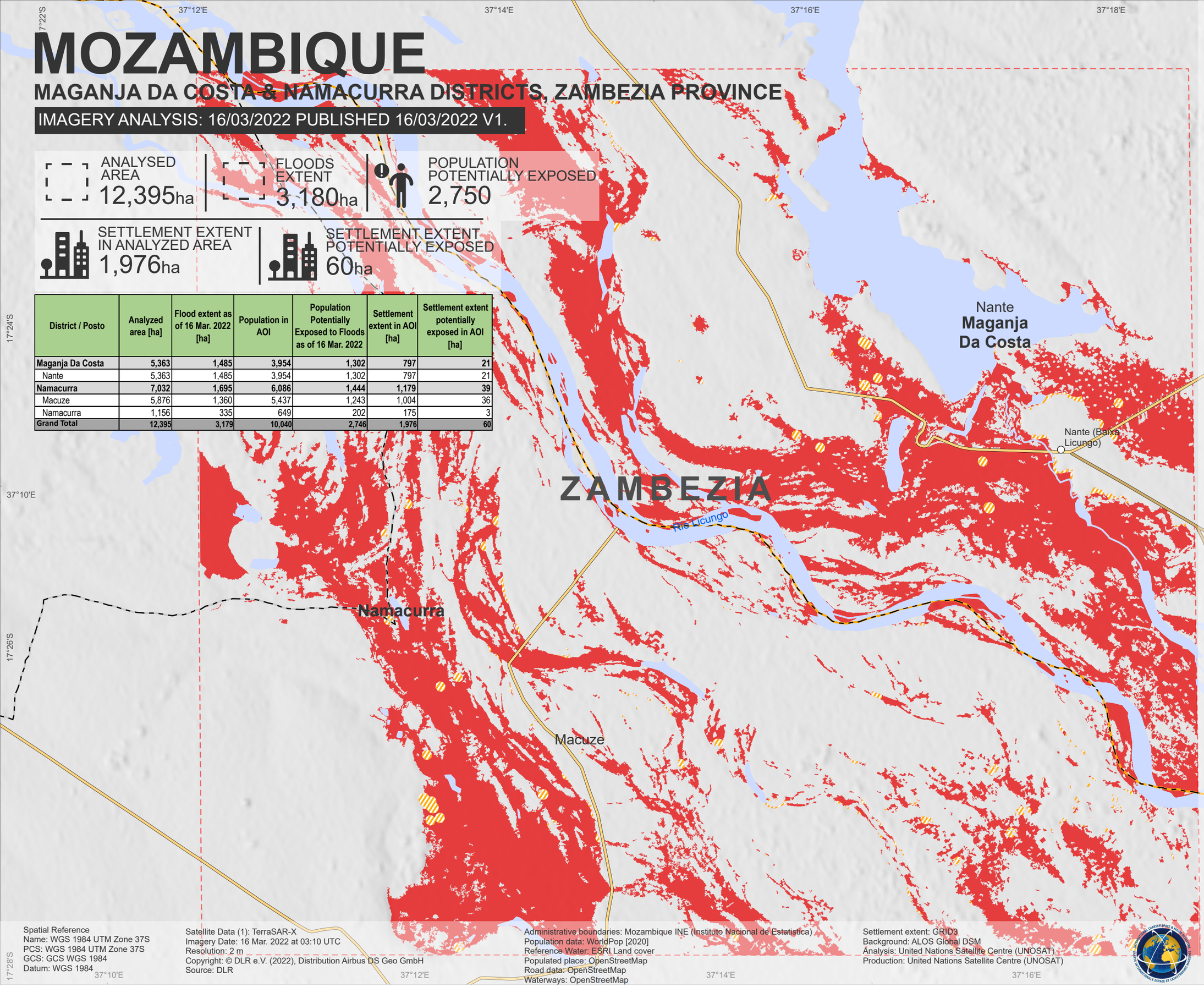
FLOODS EXTENT
3,180ha

POPULATION POTENTIALLY EXPOSED
2,750

SETTLEMENT EXTENT IN ANALYZED AREA
1,976ha

SETTLEMENT EXTENT POTENTIALLY EXPOSED
60ha

| District / Posto | Analyzed area [ha] | Flood extent as of 16 Mar. 2022 [ha] | Population in AOI | Population Potentially Exposed to Floods as of 16 Mar. 2022 | Settlement extent in AOI [ha] | Settlement extent potentially exposed in AOI [ha] |
|---|---|---|---|---|---|---|
| **Maganja Da Costa** | **5,363** | **1,485** | **3,954** | **1,302** | **797** | **21** |
| Nante | 5,363 | 1,485 | 3,954 | 1,302 | 797 | 21 |
| **Namacurra** | **7,032** | **1,695** | **6,086** | **1,444** | **1,179** | **39** |
| Macuze | 5,876 | 1,360 | 5,437 | 1,243 | 1,004 | 36 |
| Namacurra | 1,156 | 335 | 649 | 202 | 175 | 3 |
| **Grand Total** | **12,395** | **3,179** | **10,040** | **2,746** | **1,976** | **60** |

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TC20220311MOZ

### Satellite detected water extents in Maganja Da Costa & Namacurra Districts, Zambezia Province, Mozambique as of 16 March 2022

This map illustrates satellite-detected surface waters in Nante, Macuze & Namacurra posto, Zambezia Province, Mozambique as observed from a TerraSAR-X image acquired on 16 March 2022 at 05:10 local time. Within the analyzed area of about 12,400 ha, about 3,180 ha of lands appear to be flooded. Based on GRID3 settlement extent data and the detected surface waters, about 60 ha of the urban area is potentially exposed to floodwaters. 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

- Village
- Tertiary road
- Unclassified road
- Posto Boundary
- District boundary
- Reference water
- Analysis extent
- Urban area potentially exposed [16 Mar. 2022]
- Satellite detected water [16 Mar. 2022]

Map scale for A3: 1:40,000
0 0.25 0.5 1 KM

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: 16 Mar. 2022 at 03:10 UTC
Resolution: 2 m
Copyright: © DLR e.V. (2022), Distribution Airbus DS Geo GmbH
Source: DLR

Administrative boundaries: Mozambique INE (Instituto Nacional de Estatistica)
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)

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