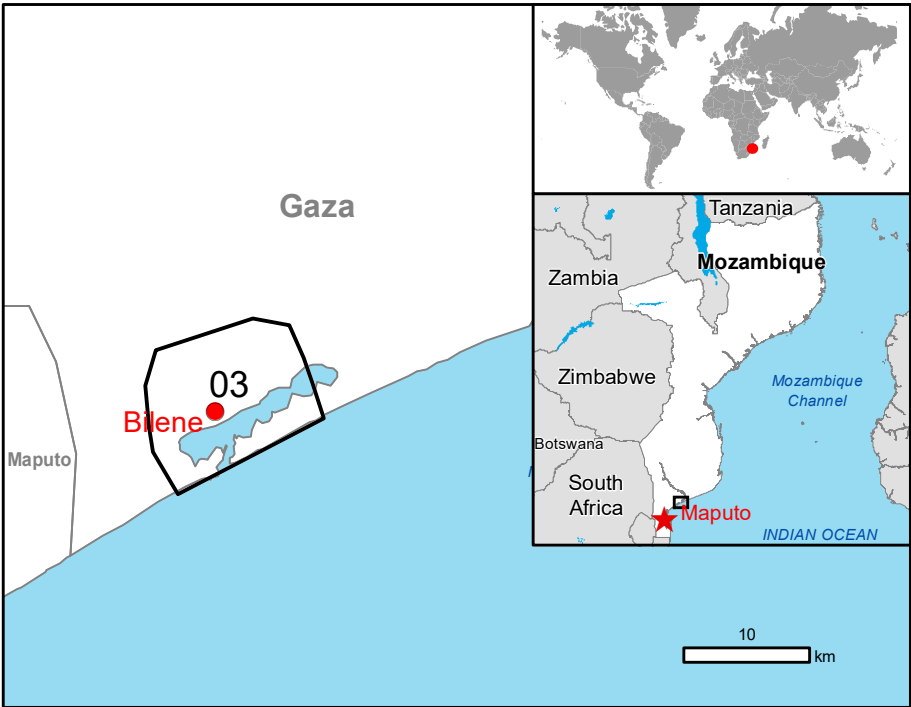


GLIDE number: FL-2023-000018-MOZ Activation ID: EMSR650
Int. Charter Act. ID: N/A Product N.: 03BILENE, v2

Bilene - MOZAMBIQUE

Flood - Situation as of 16/02/2023

Delineation - Overview map 01



Cartographic Information

1:26000 Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 36S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information Flooded Area Flood trace General Information Area of Interest Not Analysed	Built-Up Area Residential Hydrography Coastline River Lake Land Subject to Inundation River	Transportation Secondary Road Local Road Cart Track Airfield runway Land Use - Land Cover Features available in the vector package
Placenames Placename		

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area	ha	NA	10.0
Flood trace	km	NA	14.00
Estimated population	Number of inhabitants	NA	14,000
Built-up	Residential Buildings	ha	0.4
Transportation	Airfield runways	km	0.0
	Secondary Road	km	0.0
	Local Road	km	0.2
	Cart Track	km	0.0
Land use	Heterogeneous agricultural areas	ha	0.0
	Forests	ha	1.2
	Shrub and/or herbaceous vegetation association	ha	2.5
	Open spaces with little or no vegetation	ha	0.0
	Inland wetlands	ha	7.1
	Other	ha	0.8

Map Information

In the past two weeks extreme rainfall in some areas of Mozambique and in neighboring countries have raised a red alert for flash and persistent floods in the country. The situation is particularly concerning in Maputo province due to large discharges in its common river basin with South Africa and Eswatini, which have also been experiencing extreme rains. Incomati, Corumana and Pequenos Libombos dams are saturated and they will discharge water for the next 3 to 5 days. The effect of the discharge is causing floods in Boane and Moamba and in the next 24 to 48hrs also in Magde and Manhiça. Having a detailed map of flood affected areas in the province of Maputo is very important to guide search and rescue operation and other emergency response activities.

The present map shows the flood delineation in the area of Bilene (Mozambique). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:15000. The estimated geometric accuracy (RMSE) is 3.75 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 225 sq m.

Relevant date records (UTC)

Event	09/02/2023 09:00	Situation as of	16/02/2023 07:57
Activation	11/02/2023 16:34	Map production	21/02/2023

Data sources

Pre-event image: Sentinel-2A/B (2023) (acquired on 10/01/2023 at 07:56 UTC, GSD 10.0 m, approx. 3% cloud coverage in AOI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Pleiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 16/02/2023 at 07:57 UTC, GSD 0.5 m, approx. 10% cloud coverage in AOI, 20.1° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Globe Land 30 (2020), Copernicus Global Land Service: Land Cover (2019), Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022
https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php

Disclaimer

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Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by GAF AG released by e-GEOS (ODO).

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