

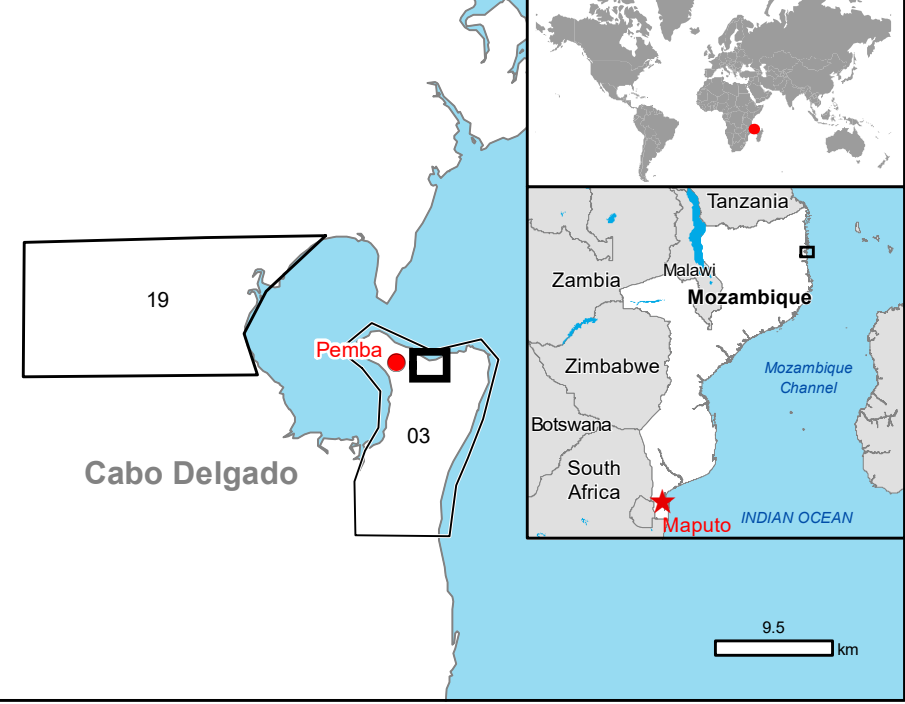


GLIDE number: TC-2019-000038-MOZ Activation ID: EMSR354
Int. Charter call ID: 606 Product N.: 03PEMBA, v3

Pemba - MOZAMBIQUE

Storm - Situation as of 01/05/2019

Grading - Overview map 01



Cartographic Information

1:4000 Full color A1, 200 dpi resolution

0 75 150 300 m

Grid: WGS 1984 UTM Zone 37S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- Crisis Information**
 - Flooded Area (01/05/2019 07:24 UTC)
 - Mudflow
 - Built Up Grading
 - Damaged
 - Possibly damaged
 - Transportation Grading
 - Road, Destroyed
 - Road, Possibly damaged
 - General Information
 - Area of Interest
 - Not Analysed
- Hydrography**
 - Coastline
 - River**Transportation**
 - Secondary Road
 - Local Road
 - Cart Track**Physiography & Land use - Land Cover**

Features available in vector data

Consequences within the AOI		Unit of measurement		Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI
Flooded area		ha					1.7	22.7
Mudflow		ha						
Estimated population	Number of inhabitants	No.					3174	22304
Settlements	Residential	No.	0	46	6	52	3667	
	Industrial building and warehouse	No.	0	3	9	12	89	
Transportation	Airfield runway	No.	0	0	0	0	0	3
	Primary Road	km	0.0	0.0	0.0	0.0	19.4	
	Secondary Road	km	0.0	0.0	0.0	0.0	19.6	
	Local Road	km	0.2	0.0	1.6	1.8	567.8	
	Cart Track	km	0.0	0.0	0.0	0.0	63.9	
	Long-distance railway	km	0.0	0.0	0.0	0.0	0.1	

Map Information

Tropical Cyclone (TC) Kenneth hit Mozambique on 26.04.2019. TC Kenneth likely to bring a period of destructive winds to the Northern provinces of Mozambique on 26.04.2019 onwards. TC Kenneth also likely to bring a period of a few days of torrential rainfall with 350-500 mm likely widely, perhaps as much as 800 mm.

The present map shows the flood delineation and the damage grade assessment in the area of Pemba (Mozambique). The thematic layers have been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 1 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	26/04/2019 01:00	Situation as of	01/05/2019 07:24
Activation	26/04/2019 14:18	Map production	13/05/2019

Data sources

Pre-event image: Pleiades-1A © CNES (2017), distributed by Airbus DS (acquired on 17/03/2017 at 07:35 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 12.2° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Post-event image: Pleiades-1A © CNES (2019), distributed by Airbus DS (acquired on 01/05/2019 at 07:24 UTC, GSD 0.5 m, approx. 30% cloud coverage in AoI, 34.4° off-nadir angle), provided by International Charter (call ID 606), all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer. Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015
http://data.europa.eu/89/jrc-ghsl-ghs_pop_gpw4_globe_2015a.
Digital Elevation Model: SRTM (30 m) (NASA/USGS)

Disclaimer

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

Map produced by SIRS released by e-GEOS (ODO).

For the latest version of this map and related products visit <http://emergency.copernicus.eu/EMSR354>

jrc-ems-rapidmapping@ec.europa.eu
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