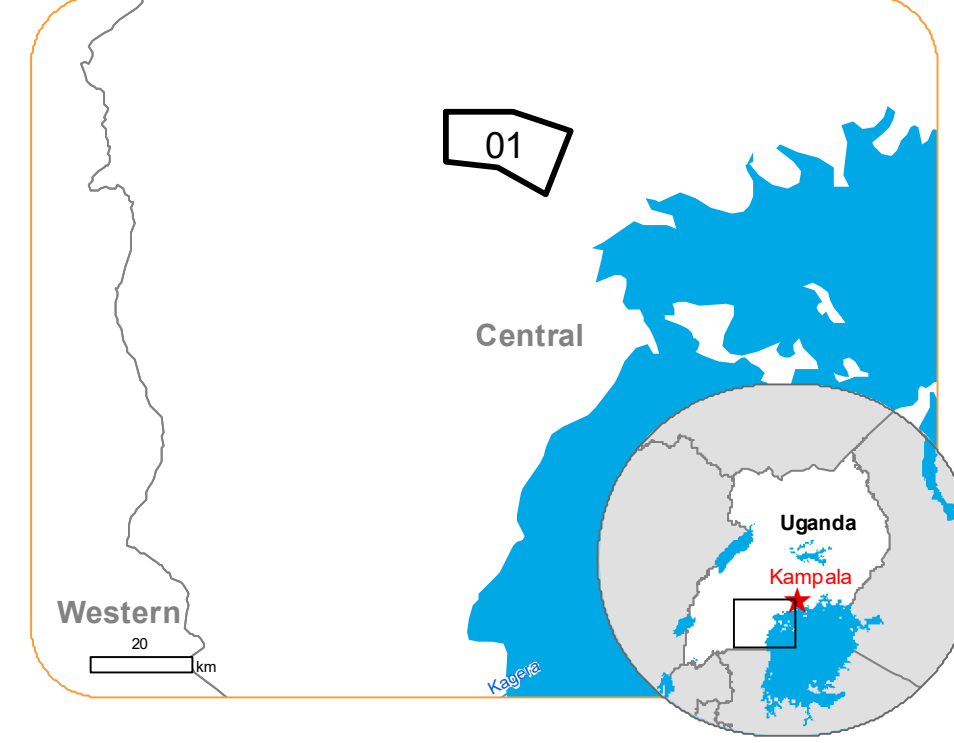




EMSR662 - AOI01
Flood in Uganda
NKOZI

Situation as of 14/05/2023 07:56 UTC
Delineation - Overview map 01





Flooded area
258.0 ha



Potentially affected
population
0

Potentially Affected Built-up and Transportations



Road
0.4 km



Facilities
0.2 km

Crisis Information

- Flooded Area
- Area of Interest
- Image Footprint
- Not Analysed

Administrative boundaries

- Region
- Province

Placenames

- Placename

Built-Up Area

- Residential

Hydrography

- River
- Land Subject to Inundation

Facilities

- Long-distance pipelines or lines

Transportation

- Local road
- Track

All data displayed on the map(s), as well as the Physiography and Land Use -Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). All products and data are also available for download on the activation webpage.

Event:
River Katonga in Western Uganda flooded on the morning of Thursday 11th May 2023 after heavy rain and submerged the major trans-national road connecting the central and northern part of the country to the western and south-western parts of the country as well as to Rwanda, Burundi and DR Congo. By close of the day, the bridge had been washed away. Local media reports said the Katonga Bridge over the River Katonga on the Kampala-Masaka highway in Mpigi District was destroyed and motorists were forced to take a detour of 50 km or more.

Data sources and analysis: Pre-event image: Sentinel-2A (2023) (acquired on 29/01/2023 at 08:00 UTC, resolution 10.0 m). Post-event image: Sentinel-2A (2023) (acquired on 14/05/2023 at 07:56 UTC, resolution 10.0 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors 2023, Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer. Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

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

Digital Elevation Model: SRTM (30 m) (NASA/USGS), all rights reserved.

The thematic layer has been derived from post-event satellite image by means of visual interpretation (Due to cloud and cloud shadows, the flooded area delineation is not complete.). The scale of analysis is 1:25000. The estimated geometric accuracy (RMSE) is 20.0 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 2500 sq m.

EMSR662 AOI: 01 Nkozi Delineation

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		258.0
Estimated population		Number of inhabitants	0	~ 28,000
Built-up	Residential Buildings	ha	0.0	112.5
Transportation	Local Road	km	0.0	3.6
	Cart Track	km	0.4	116.0
Facilities	Long-distance pipelines, communication and electricity lines	km	0.2	11.7
Land use	Inland wetlands	ha	209.7	6,460.5
	Forests	ha	10.9	6,756.3
	Shrub and/or herbaceous vegetation association	ha	4.8	7,796.4
	Heterogeneous agricultural areas	ha	0.0	5,616.0
	Other	ha	0.0	70.9

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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