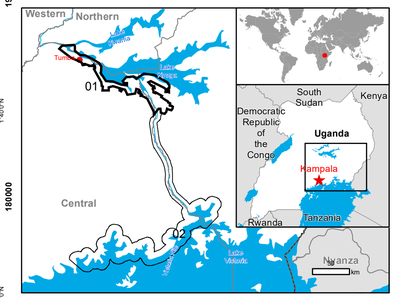
GLIDE number: FL-2020-00132-UGA
Int. Charter call ID: N/A

Activation ID: EMSR446
Product N.: 01LAKEKYOGA, v1

Lake Kyoga - UGANDA

Flood - Situation as of 01/09/2020

Delineation MONIT07 - Overview map 01



Cartographic Information

1:150000

Full color A1, 200 dpi resolution

0 2.5 5 10 km

N

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

Legend

Crisis Information
- Flooded Area (01/09/2020 07:56 UTC)
- Flooded Area (27/08/2020 07:56 UTC)

General Information
- Area of Interest
- Not Analysed

Placenames
- Placename

Built-Up Area
- Built-Up Area

Hydrography
- River
- Lake
- River

Transportation
- Secondary Road
- Local Road
- Cart Track

Land Use - Land Cover
Features available in the vector package

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha	13803	
Estimated population		Number of inhabitants	132032	
Settlements	Residential Buildings	ha	93.9	1964.2
Transportation	Secondary Road	km	0.6	16.5
	Local Road	km	2.2	38.7
	Cart Track	km	12.4	111.2
Land use	Heterogeneous agricultural areas	ha	1316.0	24433.9
	Forests	ha	3669.1	10625.1
	Shrub and/or herbaceous vegetation association	ha	8270.4	32228.4
	Inland wetlands	ha	231.7	379.8
	Other	ha	315.9	30864.4

Map Information

The Ministry of Water and Environment of the Republic of Uganda has requested international assistance to UNEP further to unprecedented flooding and continued rising water levels due to intense and prolonged rainfall since September 2019. As per government figures, an estimated 705,000 people across 53 districts were reportedly affected, with more than 63,000 displaced. The majority of the affected population (58%) lives in the Kasese District in the Rwenzoris. Flood risks around Lake Kyoga are worsening and the impacts not yet quantified.

The present map shows the flood delineation in the area of Lake Kyoga. The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 20 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	21/07/2020 07:59	Situation as of	01/09/2020 07:56
Activation	21/07/2020 07:59	Map production	02/09/2020

Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 05/03/2020 at 07:58 UTC, GSD 10 m, approx. 0% cloud coverage in AoI, 2.8° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Sentinel-2B (2020) (acquired on 01/09/2020 at 07:56 UTC, GSD 10 m, approx. 10% cloud coverage in AoI, 2.8° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Sentinel-2A (2020) (acquired on 27/08/2020 at 07:56 UTC, GSD 10 m, approx. 20% cloud coverage in AoI, 2.8° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2012, Globe Land 30 (2010), Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: SRTM (90 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 Telespazio Iberica released by e-GEOS (ODO).

For the latest version of this map and related products visit
https://emergency.copernicus.eu/EMSR446

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