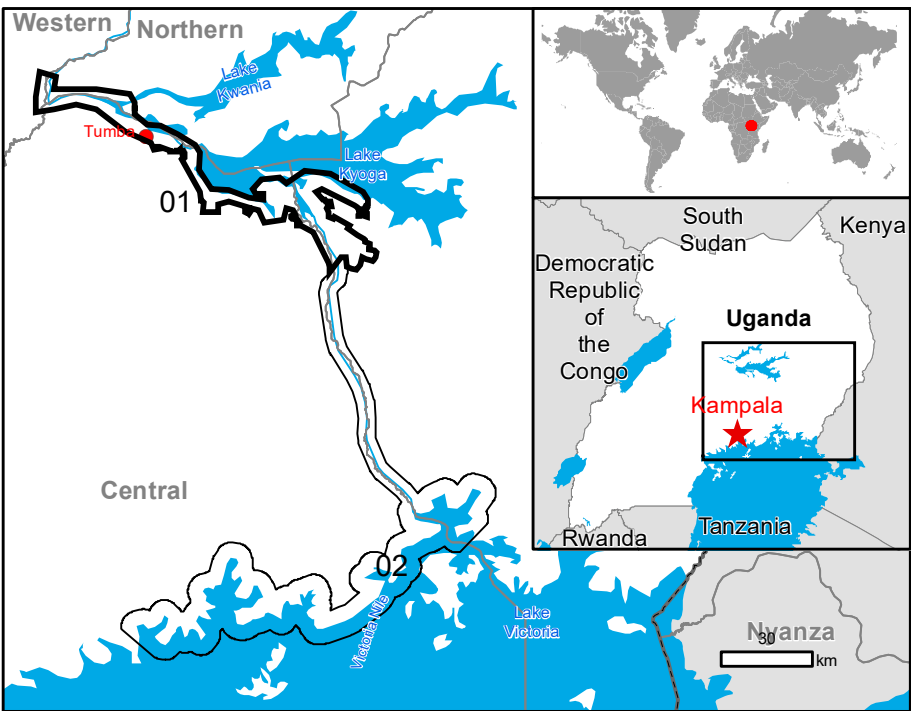


## Lake Kyoga - UGANDA

### Flood - Situation as of 12/08/2020

#### Delineation MONIT03 - Overview map 01



#### Cartographic Information

1:175000 Full color A1, 200 dpi resolution

0 3.5 7 14 km

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

#### Legend

Crisis Information	Placenames	Transportation
<span style="color: blue;">■</span> Flooded Area (12/08/2020 07:56 UTC)	<span style="color: blue;">○</span> Placename	<span style="color: blue;">—</span> Secondary Road
<span style="color: lightblue;">■</span> Previous Flooded Area (07/08/2020 07:56 UTC)	<span style="color: red;">■</span> Built-Up Area	<span style="color: blue;">—</span> Local Road
<span style="color: green;">■</span> Area of Interest	<span style="color: red;">—</span> Built-Up Area	<span style="color: blue;">—</span> Cart Track
<span style="color: gray;">■</span> Not Analysed	<b>Hydrography</b>	<b>Land Use - Land Cover</b>
	<span style="color: blue;">—</span> River	Features available in the vector package
	<span style="color: blue;">—</span> Stream	
	<span style="color: blue;">—</span> Lake	
	<span style="color: blue;">—</span> River	

Consequences within the AOI			
		Unit of measurement	
Flooded area		ha	16517.2
Estimated population		Number of inhabitants	158986
Settlements	Residential Buildings	ha	136.3
	Secondary Road	km	2.9
	Local Road	km	6.4
	Cart Track	km	15.1
Land use	Heterogeneous agricultural areas	ha	1488.0
	Forests	ha	3610.7
	Shrub and/or herbaceous vegetation association	ha	10320.5
	Inland wetlands	ha	744.7
	Other	ha	353.4

#### 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	12/08/2020 07:56
Activation	21/07/2020 07:59	Map production	12/08/2020

#### 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 12/08/2020 at 07:56 UTC, GSD 10 m, approx. 15% cloud coverage in Aoi, 2.8° off-nadir angle) provided under COPERNICUS by the European Union and ESA.  
Sentinel-2A (2020) (acquired on 07/08/2020 at 07:56 UTC, GSD 10 m, approx. 25% 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

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.

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

Jrc-ems-rapidmapping@ec.europa.eu  
© European Union  
For full Copyright notice visit https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal