

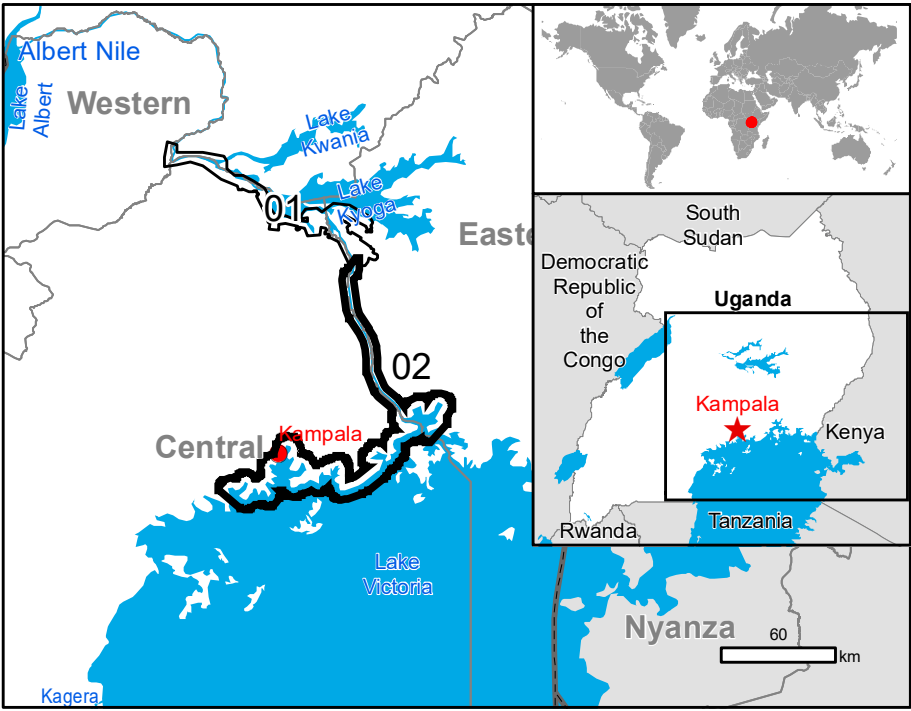
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## Kampala - UGANDA

### Flood - Situation as of 27/07/2020

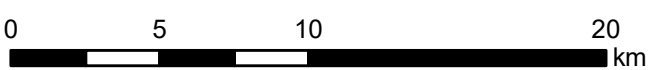
Delineation MONIT01 - Overview map 01



### Cartographic Information

1:254000

Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 36N map coordinate system

Tick marks: WGS 84 geographical coordinate system

### Legend

<b>Crisis Information</b>	<b>Facilities</b>	<b>Transportation</b>
<span style="color: blue;">■</span> Flooded Area (27/07/2020 07:50 UTC)	<span style="color: blue;">■</span> Lake	<span style="color: grey;">—</span> Primary Road
<span style="color: blue;">■</span> Previous Flooded Area (03/07/2020 07:56 UTC)	<span style="color: blue;">■</span> Reservoir	<span style="color: grey;">—</span> Secondary Road
<b>General Information</b>	<span style="color: blue;">—</span> River	<span style="color: grey;">—</span> Long-distance railway
<span style="color: green;">■</span> Area of Interest	<span style="color: grey;">—</span> Dam	<span style="color: grey;">—</span> Airfield runway
<span style="color: grey;">■</span> Not Analysed	<span style="color: grey;">■</span> Helped	<span style="color: grey;">■</span> Helped
<b>Administrative boundaries</b>	<span style="color: grey;">■</span> Construction for mining or extraction	<b>Physiography &amp; Land Use - Land Cover</b>
<span style="color: grey;">—</span> Region	<span style="color: grey;">■</span> Region	Features available in the vector package
<b>Placenames</b>	<span style="color: grey;">■</span> Placename	
<b>Hydrography</b>	<span style="color: blue;">—</span> River	
	<span style="color: blue;">—</span> Stream	

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flooded area		ha	2282.7	
Estimated population		Number of inhabitants	1844344	
Transportation	Helped	ha	0.0	0.1
	Airfield runways	km	0.0	21.8
	Primary Road	km	0.0	198.9
	Secondary Road	km	0.0	309.3
	Long-distance railways	km	0.0	100.8
Facilities	Constructions for mining or extraction	ha	0.9	141.3
	Dams	km	0.1	0.1
Land use	Heterogeneous agricultural areas	ha	291.5	85026.7
	Forests	ha	925.2	46000.6
	Shrub and/or herbaceous vegetation association	ha	800.9	50138.5
	Inland wetlands	ha	0.3	20.4
	Other	ha	264.3	122598.1

### 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 Kampala (Uganda). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 6.25 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	27/07/2020 07:59
Activation	21/07/2020 07:59	Map production	28/07/2020

### Data sources

Pre-event image: Sentinel-2A/B (2019) (acquired on 31/12/2019 at 08:03 UTC, GSD 10 m, approx. 10% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.  
Post-event image: Sentinel-2A/B (2020) (acquired on 03/07/2020 at 7:56 UTC, GSD 10 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.  
Post-event image: SPOT7 © Airbus DS (2020), (acquired on 27/07/2020 at 07:58 UTC, GSD 6 m, approx. 16% cloud coverage in AoI, 19.2° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
SPOT7 © Airbus DS (2020), (acquired on 27/07/2020 at 07:58 UTC, GSD 6 m, approx. 9% cloud coverage in AoI, 24.8° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
SPOT7 © Airbus DS (2020), (acquired on 27/07/2020 at 07:59 UTC, GSD 6 m, approx. 0.7% cloud coverage in AoI, 17.3° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, 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](https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php)

### Disclaimer

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

Map produced by SERTIT 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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