



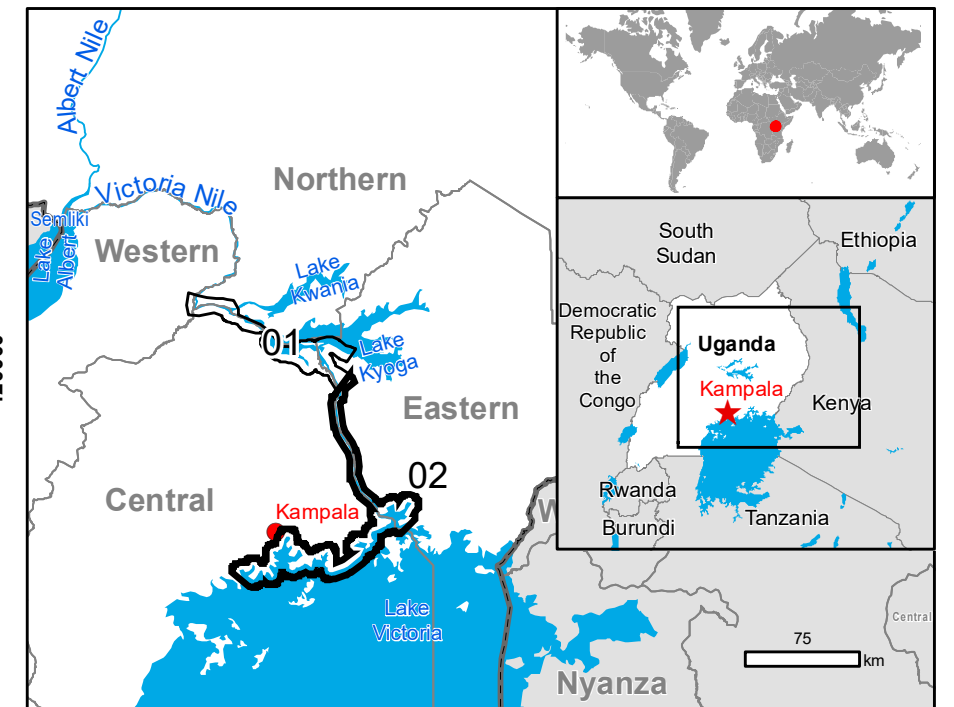
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## Kampala - UGANDA

### Flood - Situation as of 20/05/2020

Delineation MONIT01- Overview map 01



### Cartographic Information

1:270000 Full color A1, 200 dpi resolution



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

### Legend

Crisis Information	Built-Up Area	Transportation
<div><div></div>Flooded Area (20/05/2020 16:05 UTC)</div>	<div><div></div>Built-Up Area</div>	<div><div></div>Highway</div>
<div><div></div>Flooded Area (14/05/2020 07:56 UTC)</div>	<div><div></div>Hydrography</div>	<div><div></div>Primary Road</div>
<div><div></div>Area of Interest</div>	<div><div></div>River</div>	<div><div></div>Long-distance railway</div>
<div><div></div>Not Analysed</div>	<div><div></div>Stream</div>	<div><div></div>Airfield runway</div>
<div><div></div>Administrative boundaries</div>	<div><div></div>Lake</div>	<div><div></div>Helipad</div>
<div><div></div>Region</div>	<div><div></div>River</div>	<div><div></div>Land Use - Land Cover</div>
<div><div></div>Province</div>	<div><div></div>Facilities</div>	<div><div></div>Features available in the vector package</div>
<div><div></div>Municipality</div>	<div><div></div>Dam</div>	
<div><div></div>Placenames</div>	<div><div></div>Construction for mining or extraction</div>	
<div><div></div>Placename</div>		

Consequences within the AOI			
Flooded area	Unit of measurement	Affected	Total in AOI
Estimated population	Number of inhabitants	15523	164344
Settlements	Residential Buildings	15523	20512
	Residential Buildings	0	1003
	Industrial buildings	0	292
	Public entertainment buildings	0	10
	School, university and research buildings	1	179
	Hospital or medical care buildings	0	1111
	Buildings used as places of worship and for religious activities	0	292
	Construction buildings, stations, terminals and associated buildings	0	39
	Transportation	0	0
	Helipad	0	0
Transportation	Airfield runways	0	215.5
	Highways	0	17.9
	Primary Road	0	102.7
	Secondary Road	0	114.5
	Local Road	0	271.9
	Canal	0	390.5
	No. of canals	0	271.9
	Long-distance railways	0	102.2
	Facilities	0	0
	Construction for mining or extraction	0	141.9
Land use	Barren	0	0
	Barren	0	0
	Barren	0	0
	Barren	0	0

### Map Information

Torrential rains have triggered devastating floods and landslides across East Africa in recent weeks, aggravating an already challenging situation as countries in the region battle the coronavirus pandemic. The destruction caused by the heavy rainfall has killed hundreds of people in Kenya, Uganda, Somalia, Rwanda, and Ethiopia and has also forced hundreds of thousands from their homes.

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 15 m or better, from native positional accuracy of the background satellite image.

### Relevant date records (UTC)

Event	09/05/2020 03:00	Situation as of	20/05/2020 16:05
Activation	15/05/2020 12:42	Map production	22/05/2020

### Data sources

Pre-event image: Sentinel-2A (2019) (acquired on 31/12/2019 at 08:03 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.  
Post-event image: Sentinel-1A (2020) (acquired on 20/05/2020 at 16:05 UTC, GSD 10 m) provided under COPERNICUS by the European Union and ESA.  
Sentinel-2A (2020) (acquired on 14/05/2020 at 07:56 UTC, GSD 10 m, approx. 40% cloud coverage in AOI) 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 (30 m)

### 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.  
Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

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

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

For the latest version of this map and related products visit  
<https://emergency.copernicus.eu/EMSR438>

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