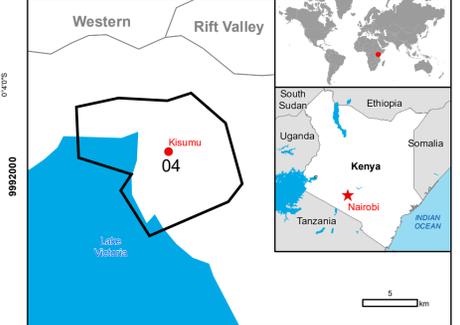


## Kisumu - KENYA

### Flood - Situation as of 11/05/2020

#### Delineation - Overview map 01



**Cartographic Information**

1:24000 Full color A1, 200 dpi resolution

0 0.5 1 2 km

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

**Legend**

<b>Crisis Information</b>	<b>Hydrography</b>	<b>Transportation</b>
<span style="color: blue;">■</span> Flooded Area (11/05/2020 07:46 UTC)	<span style="color: blue;">—</span> River	<span style="color: grey;">—</span> Primary Road
<span style="color: green;">□</span> Area of Interest	<span style="color: blue;">—</span> Stream	<span style="color: grey;">—</span> Secondary Road
<span style="color: green;">—</span> Administrative boundaries	<span style="color: blue;">□</span> Lake	<span style="color: grey;">—</span> Local Road
<span style="color: grey;">—</span> Provision	<span style="color: blue;">□</span> Land Subject to Inundation	<span style="color: grey;">—</span> Airfield runway
<span style="color: blue;">○</span> Placename	<span style="color: blue;">□</span> Reservoir	<span style="color: grey;">□</span> Land Use - Land Cover
<span style="color: brown;">□</span> Built-Up Area		Features available in the vector package

Consequences within the AOI

	Unit of measurement	Affected	Total in AOI
Flooded area	ha	187.5	187.5
Estimated population	Number of inhabitants	335927	NA
Settlements	Residential Buildings	na	1.3
Transportation	Airfield runways	km	0.0
	Primary Road	km	0.0
	Secondary Road	km	0.0
	Local Road	km	1.1
Land use	Heterogeneous agricultural areas	ha	164.4
	Forests	ha	0.0
	Shrub and/or herbaceous vegetation association	ha	15.1
	Inland wetlands	ha	0.0
	Other	ha	8.1

**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 product in the area of Kisumu (Kenya). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) 12.5 m or better, from native positional accuracy of the background satellite image.

**Relevant date records (UTC)**

Event	Date	Situation as of	Date
Event	09/05/2020 00:00	Situation as of	11/05/2020 07:46
Activation	15/05/2020 12:42	Map production	26/05/2020

**Data sources**

Pre-event image: Sentinel-2A (2020) (acquired on 22/01/2020 at 07:51 UTC, GSD 10 m, approx. 0% cloud coverage in AOI, provided under Copernicus by the European Union and ESA.  
 Post-event image: Sentinel-2A (2020) (acquired on 11/05/2020 at 07:46 UTC, GSD 10 m, approx. 0% cloud coverage in AOI, provided under Copernicus by the European Union and ESA.

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 ITHACA released by e-GEOS (ODO).

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

[jrc-ems-rapidmapping@ec.europa.eu](mailto:jrc-ems-rapidmapping@ec.europa.eu)  
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