Lake Kyoga - UGANDA

Flood - Situation as of 15/05/2020

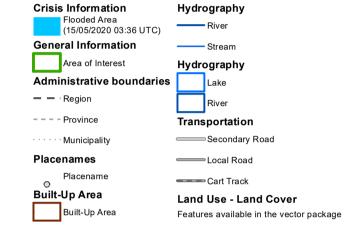### Delineation - Overview map 01

Cartographic Information

1:170000   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
- Flooded Area (15/05/2020 03:36 UTC)

General Information
- Area of Interest

Administrative boundaries
- Region
- Province
- Municipality

Placenames
- Placename

Built-Up Area
- Built-Up Area

Hydrography
- River
- Stream

Hydrography
- 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
Riverine flood	ha	3792.3	
Estimated population	Number of inhabitants		165725
Settlements			
Residential Buildings	n.	0.0	NA
Transportation			
Secondary Road	km	0.6	NA
Local Road	km	0.2	NA
Cart Track	km	0.1	NA
No Driveway	km	0.0	NA
Land use			
Heterogeneous agricultural areas	ha	103.0	NA
Forests	ha	322.2	NA
Shrub and/or herbaceous vegetation association	ha	2047.9	NA
Inland wetlands	ha	197.4	NA
Other	ha	921.6	NA

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 Lake Kyoga (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 00:00	Situation as of	15/05/2020 03:36
Activation	15/05/2020 12:42	Map production	16/05/2020

Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 20/01/2020 at 08:02 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 15/05/2020 at 03:36 UTC, GSD 10 m) 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)

Disclaimer

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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 SERTIT 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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