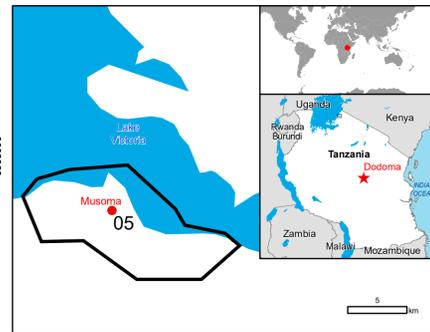


Musoma - TANZANIA

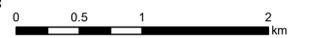
Flood - Situation as of 11/05/2020

Delineation - Overview map 01



Cartographic Information

1:28000 Full color A1, 200 dpi resolution



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



Legend

Crisis Information	Built-Up Area	Transportation	Land Use - Land Cover
Flooded Area (11/05/2020 07:46)	Built-Up Area	Primary Road	Features available in the vector package
Area of Interest	River	Secondary Road	
Administrative boundaries	Hydrography	Local Road	
Province	Hydrography	Airfield runway	
Placename	Island		
	Lake		

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Founder area		ha	25.3	
Estimated population		Number of inhabitants	100342	
Settlements	Residential Buildings	ha	0.8	NA
Transportation	Airfield runways	km	0.0	NA
	Primary Road	km	0.0	NA
	Secondary Road	km	0.0	NA
	Local Road	km	0.2	NA
	Canal Track	km	0.3	NA
Land use	Heterogeneous agricultural areas	ha	4.7	NA
	Forests	ha	0.0	NA
	Shrub and/or herbaceous vegetation association	ha	17.1	NA
	Inland wetlands	ha	5.1	NA
	Other	ha	2.4	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 product in the area of Musoma (Tanzania). 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
Activation	09/05/2020 00:00	11/05/2020 07:46	
	15/05/2020 12:42	Map production	27/05/2020

Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 17/01/2020 at 07:52 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

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 ITHACA released by e-GEOS (ODO).

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

For more information visit jrc-ems-rapidmapping@ec.europa.eu
 © European Union

For full Copyright notice visit <https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal>