

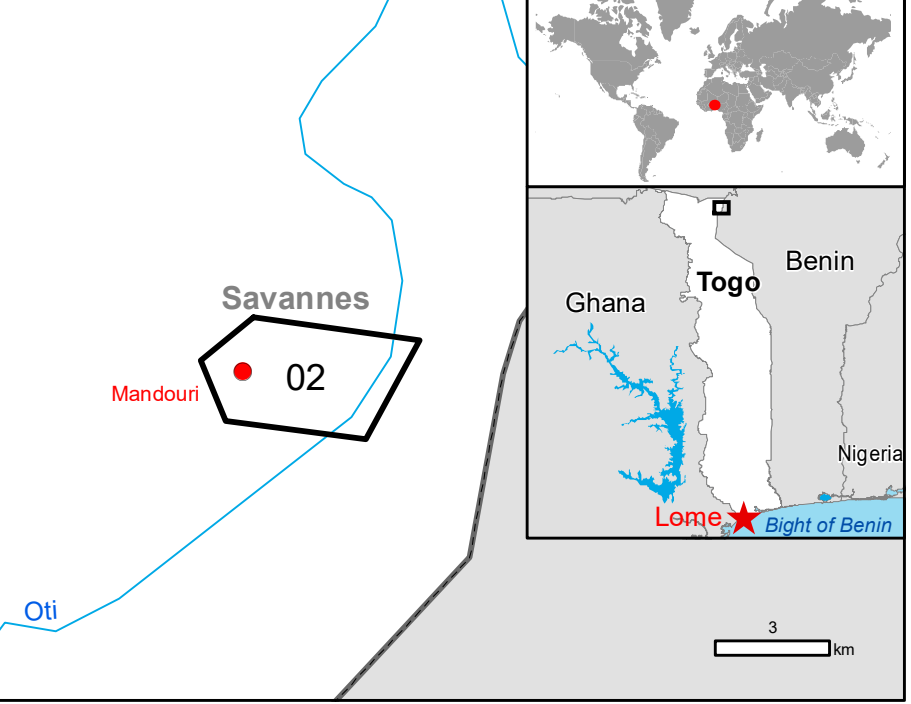
GLIDE number: N/A
Int. Charter call ID: 679

Activation ID: EMSR470
Product N.: 02MANDOURI, v1

Mandouri - TOGO

Flood - Situation as of 17/10/2020

Grading - Overview map 01



Cartographic Information

1:9000 Full color A1, 200 dpi resolution

0 0.2 0.4 0.8 Km

Grid: WGS 1984 UTM Zone 31N map coordinate system
Tick marks: WGS 84 geographical coordinate system

N

Legend

Crisis Information
Flooded Area (17/10/2020 10:21 UTC)
Flood trace
Built Up Grading
Possibly damaged
Transportation Grading
Road, Damaged
Local Road, Possibly damaged
Local Road, No visible damage
Cart Track, No visible damage

General Information
Area of Interest
Placenames
Placename
Hydrography
River
Lake
River
Physiography & Land Use - Land Cover
Features available in the vector package

Map Information

Since the 05/10/2020, Togo has been badly affected by the flooding of the Oti river and its tributaries. Local authorities reported almost 57,000 affected people with 11 fatalities, mainly in rural and peri-urban areas. The flood extent situation is needed to assess impacts on settlements, agricultural systems and damages on infrastructures.

The present map shows the flood damage grade assessment in the area of Mandouri (Togo). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 1.25 m or better, from native positional accuracy of the background satellite image.

Consequences within the AOI		Unit of measurement	Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI
Flooded area		ha				203.9	
Flood trace		ha				4.4	
Estimated population		Number of inhabitants				9059	
Settlements	Residential Buildings	No.	0	0	2	2	NA
	Local Road	km	0.0	0.0	0.1	0.1	NA
	Cart Track	km	0.0	1.8	0.1	1.9	NA
Land use	Heterogeneous agricultural areas	ha	0.0	0.0	0.0	0.0	256.4
	Forests	ha	0.0	0.0	0.0	0.0	0.8
	Shrub and/or herbaceous vegetation association	ha	0.0	0.0	0.0	0.0	941.3

Relevant date records (UTC)

Event	05/10/2020 18:00	Situation as of	17/10/2020 10:21
Activation	13/10/2020 19:17	Map production	17/10/2020

Data sources

Pre-event image: WorldView-3 © Digital Globe, Inc. (2018), (acquired on 09/10/2018 at 11:04 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 27.4° off-nadir angle), provided by International Charter (call ID 781), all rights reserved.
Post-event image: Pléiades-1A/B © CNES (2020), distributed by Airbus DS (acquired on 17/10/2020 at 10:21 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 29° off-nadir angle), provided by International Charter (call ID 751), 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: GH5 Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: SRTM (90 m) (NASA/USGS)

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).
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