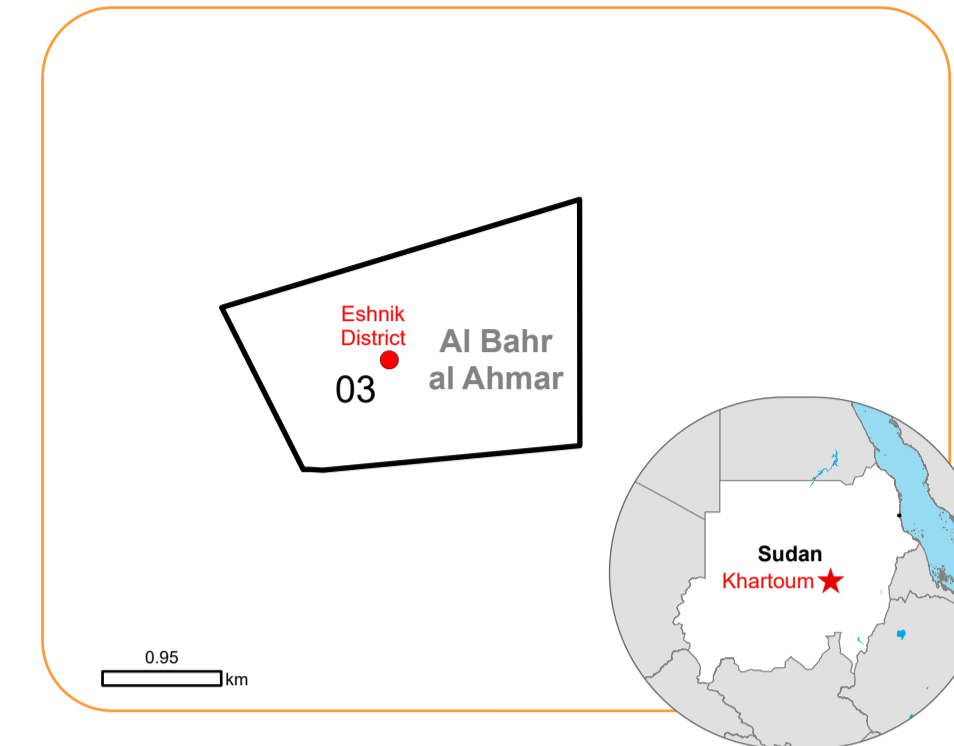


EMSR750 - AOI03
Flood in Sudan
ESHNIK DISTRICT

Situation as of 28/08/2024 08:35 UTC
Grading - Overview map 01



Flooded area 2.7 ha
 Potentially affected population ~ 80

Affected Built-up and Transportations

Built-Up 436 No.
 Road 0.2 km

Crisis Information

- Flooded Area
- Flood trace

Built Up Grading

- Damaged
- Possibly damaged

Transportation Grading

- Road, Possibly damaged
- Local road, No visible damage
- Track, No visible damage

General Information

- Area of Interest

Placenames

- Placename

Event: On the 25 August 2024, the collapse of Arba'at Dam in Port Sudan is reported to have affected Sudan's northwest Red Sea State. The United Nations Office for the Coordination of Humanitarian Affairs (OCHA) reported that at least 60 people have been killed following the flash flooding that affected 20 villages and damaged a further 50 after the dam's collapse. It is estimated 50,000 people had been severely affected by the disaster. Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 01/06/2023, resolution 1.0 m). Post-event image: Pléiades-1A/B © CNES (2024), distributed by Airbus DS (acquired on 28/08/2024 at 08:35 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image by means of visual interpretation.



Map produced by Telespazio Iberica released by e-GEOS on the 28/08/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR750>



WGS 1984 UTM, Zone 37N 1:5,000

EMSR750 AQI: 03 Estvik District Grading

Consequences within the ACI		Unit of measurement	Destroyed	Damaged	Possibly damaged	Total affected**	Total in ACI
Flood trace		ha					101.0
Flooded area		ha					2.7
Estimated population	Number of inhabitants					-30	108
Built-up	Residential Buildings	No.	0	16	404	420	471
	Other non-residential buildings	No.	0	0	16	16	16
Transportation	Local Road	km	0	0	0.2	0.2	1.1
	Cart Track	km	0	0	0	0	8.2
Land use	Shrub and/or herbaceous vegetation association	ha				81.5	267.0
	Open spaces with little or no vegetation	ha				22.1	118.7
	Heterogeneous agricultural areas	ha				0	9.7

* Presence of damage processes and proximity with destroyed/damaged asset
 ** Sum of all damage classes

Disclaimer:
 Full disclaimer and other helpful information available in the online manual:
<https://emergency.copernicus.eu/mapping/ams/online-manual/rapid-mapping-products>
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Data Access:
 All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

Estimated Population:
 Estimated population is based on Copernicus Global Human Settlement Layer (CHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:
 Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimedia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019), Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.
 Digital Elevation Model: FAO/DEM (ProcessedBuildingRemoved/CopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Access to the portal



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