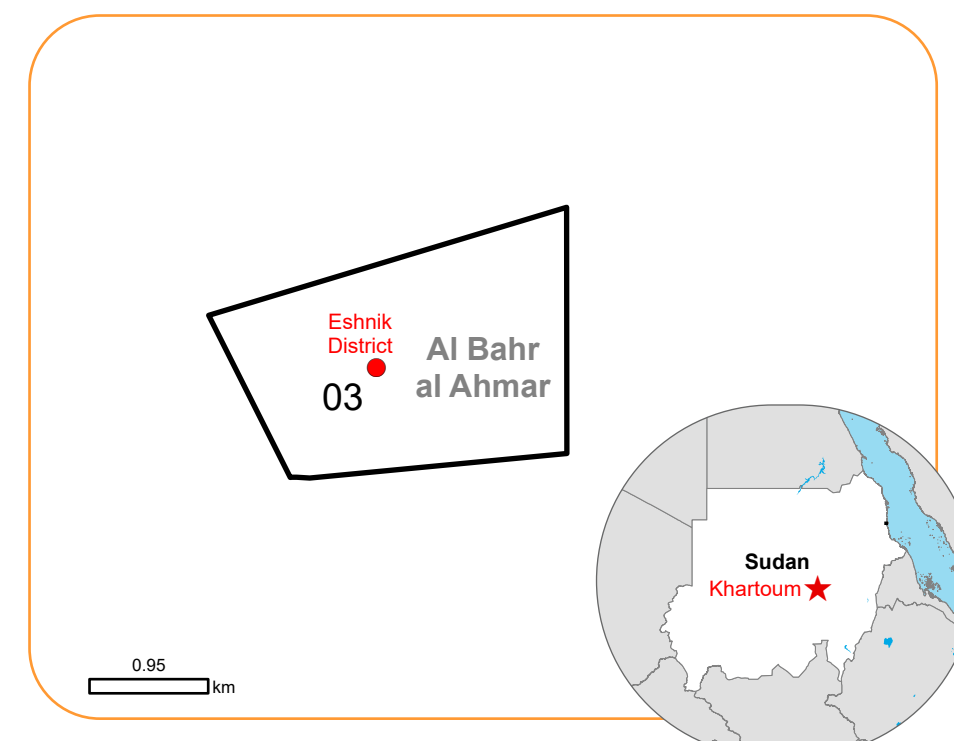


**EMSR750 - AOI03**  
**Flood in Sudan**  
**ESHNIK DISTRICT**

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



Consequences within the ACI						
		Unit of measurement		Destroyed	Damaged	Possibly damaged*
Flood trace			ha			Total affected**
Flooded area			ha			Total in ACI
Estimated population		Number of inhabitants				
Built-up		Residential Buildings	No.	0	16	404
		Other non-residential buildings	No.	0	0	16
Transportation		Local Road	km	0	0	0.2
		Cart Track	km	0	0	0
Land use		Shrub and/or herbaceous vegetation association	ha			81.5
		Open spaces with little or no vegetation	ha			22.1
		Heterogeneous agricultural areas	ha			0
* Presence of damage proxies 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/en/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 Layer: OpenStreetMap © OpenStreetMap contributors (2024), Wikimedia.org, GeoNames 2015,  
Global Administrative Areas (2012), refined by the producer, Globe Land 3D (2010), Copernicus Global Land Service, Land Cover (2019).  
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.  
Digital Elevation Model: FAO/DEM (Processing/building/removesCopernicusDEM) removes building and tree height biases from the Copernicus GLO 3D

