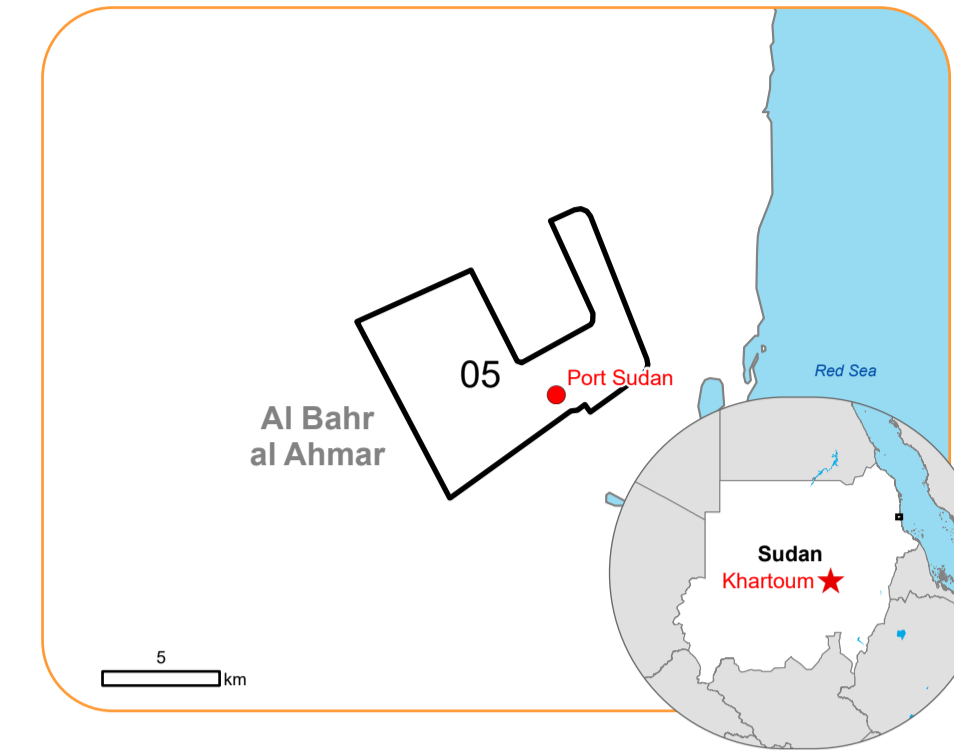




Situation as of 28/08/2024 08:35 UTC  
Grading - Overview map 01



Flooded area 3.5 ha  
 Potentially affected population ~ 1500

Affected Built-up and Transportations

Built-Up 1,079 No.  
 Road 4.2 km

- |                               |                                  |
|-------------------------------|----------------------------------|
| <b>Crisis Information</b>     | <b>General Information</b>       |
| Flooded Area                  | Area of Interest                 |
| Flood trace                   | Not Analysed                     |
| <b>Built Up Grading</b>       | <b>Administrative Boundaries</b> |
| Damaged                       | Municipality                     |
| Possibly damaged              | <b>Placenames</b>                |
| <b>Transportation Grading</b> | Placename                        |
| Road, Damaged                 | <b>Hydrography</b>               |
| Road, Possibly damaged        | Lake, River                      |
| Highway, No visible damage    |                                  |
| Local road, No visible damage |                                  |
| Track, No visible damage      |                                  |

**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: Pleiades-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 29/08/2024.

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



Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha						402.9
Flooded area	ha						3.5
Estimated population	Number of inhabitants					~ 1,500	~ 29,000
Built-up	Residential Buildings	No.	0	39	1,032	1,071	37,153
	Other non-residential buildings	No.	0	0	8	8	199
Transportation	Highways	km	0	0	0	0	5.9
	Secondary Road	km	0	0	1.2	1.2	1.2
	Local Road	km	0	2.3	0	2.3	296.3
	Cart Track	km	0	0	0.7	0.7	17.2
Land use	Open spaces with little or no vegetation	ha				303.4	5,763.2
	Shrub and/or herbaceous vegetation association	ha				96.3	473.7
	Other	ha				6.7	213.9
	Forests	ha				0	1.1

\* 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/ems/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 (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

**Data Sources:**

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimapia.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: FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Access to the portal



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