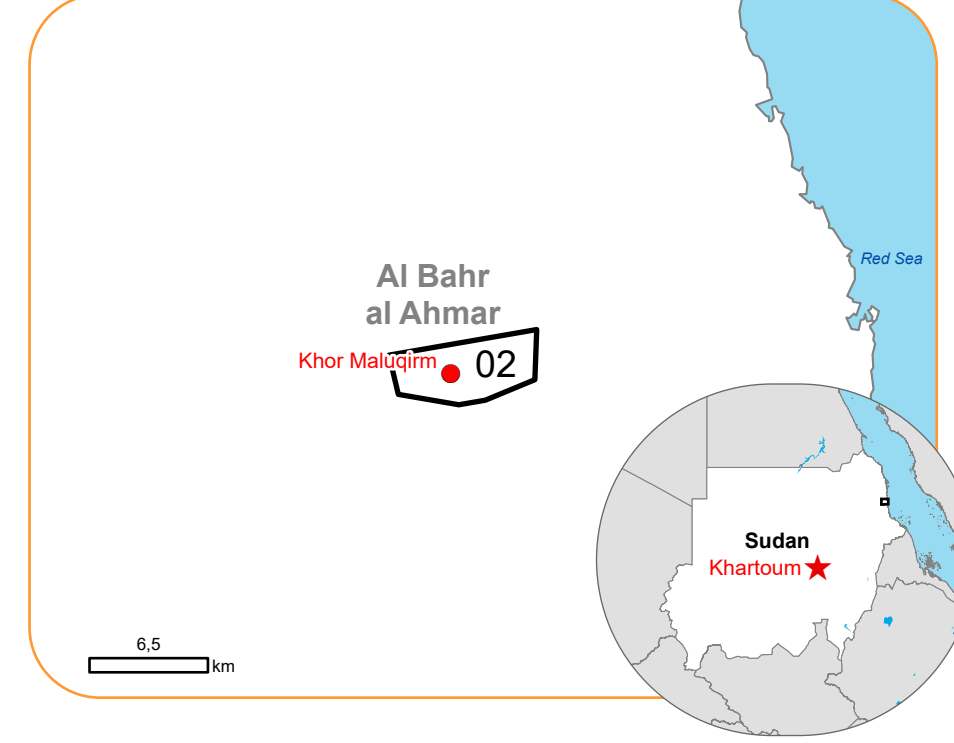


EMSR750 - AOI02
Flood in Sudan
KHOR MALUQIRM

Situation as of 01/09/2024 08:05 UTC
 Grading MONIT01 - Overview map 01



Flood trace 768.5 ha
Flooded area 2.5 ha
Affected population ~ 1 400

Affected Built-up and Transportations

- Built-up**: 402 No.
- Road**: 20.6 km

- | | |
|-------------------------------|-----------------------------|
| Crisis Information | Blocked road / interruption |
| Flooded Area | General Information |
| Flood trace | Area of Interest |
| Built Up Grading | Detail map |
| Destroyed | Not Analysed |
| Damaged | Hydrography |
| Possibly damaged | Lake, River |
| Transportation Grading | |
| Road, Destroyed | |
| Road, Damaged | |
| Road, Possibly damaged | |
| Track, No visible damage | |



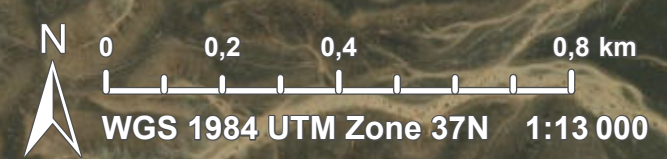
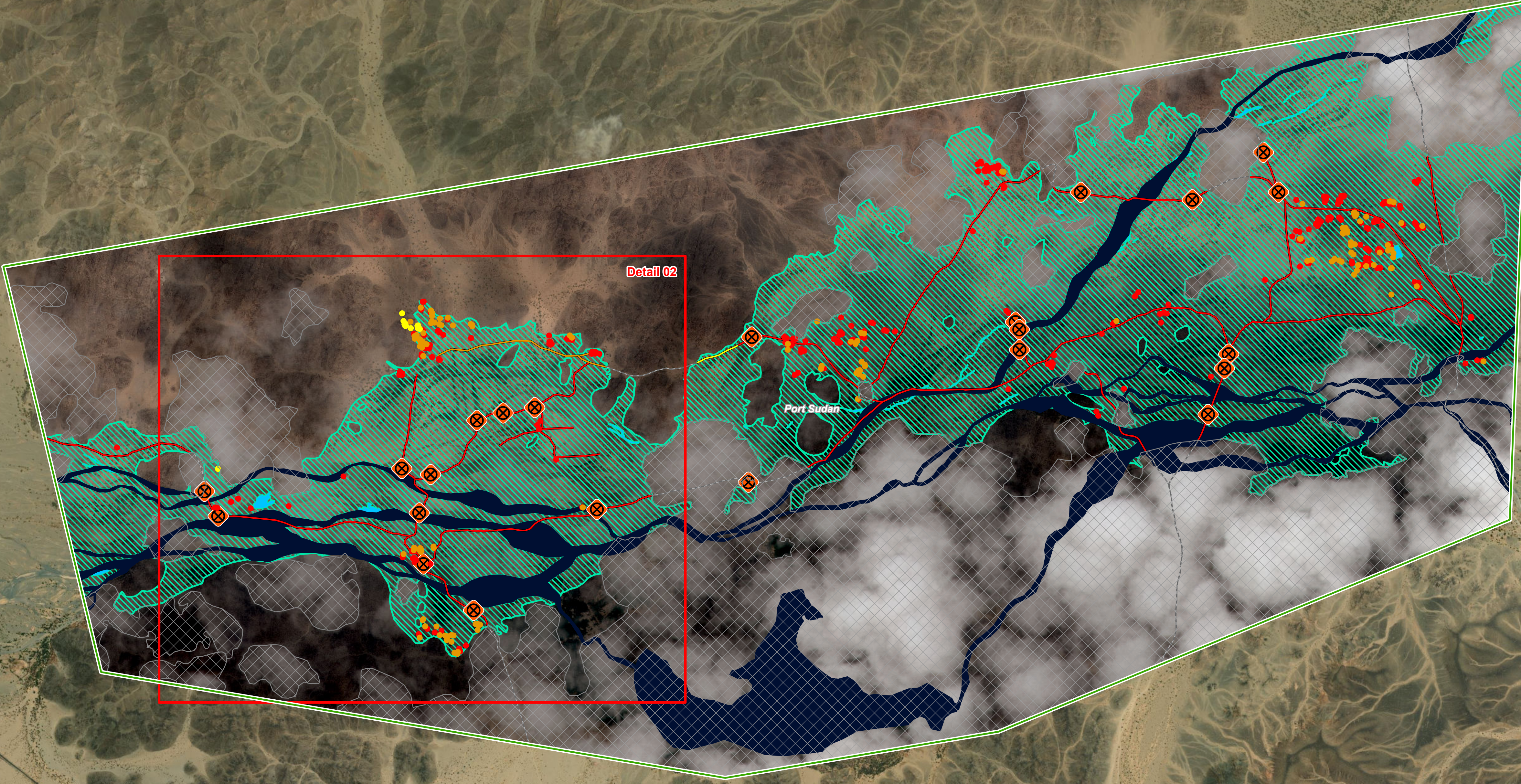
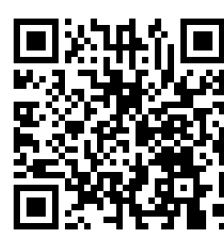
Event On the 25 August 2024, the collapse of Arba'at Dam in Port Sudan is reported to have affected Sudan's northwest Red Sea State. The United Nations Office for the Coordination of Humanitarian Affairs (OCHA) reported at least 60 people have been killed following the flash flooding that affected 20 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: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 17/10/2023 at 08:17 UTC, resolution 0.5 m).
 Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 01/09/2024 at 08:05 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.
 This analysis has been supplemented by the social media.

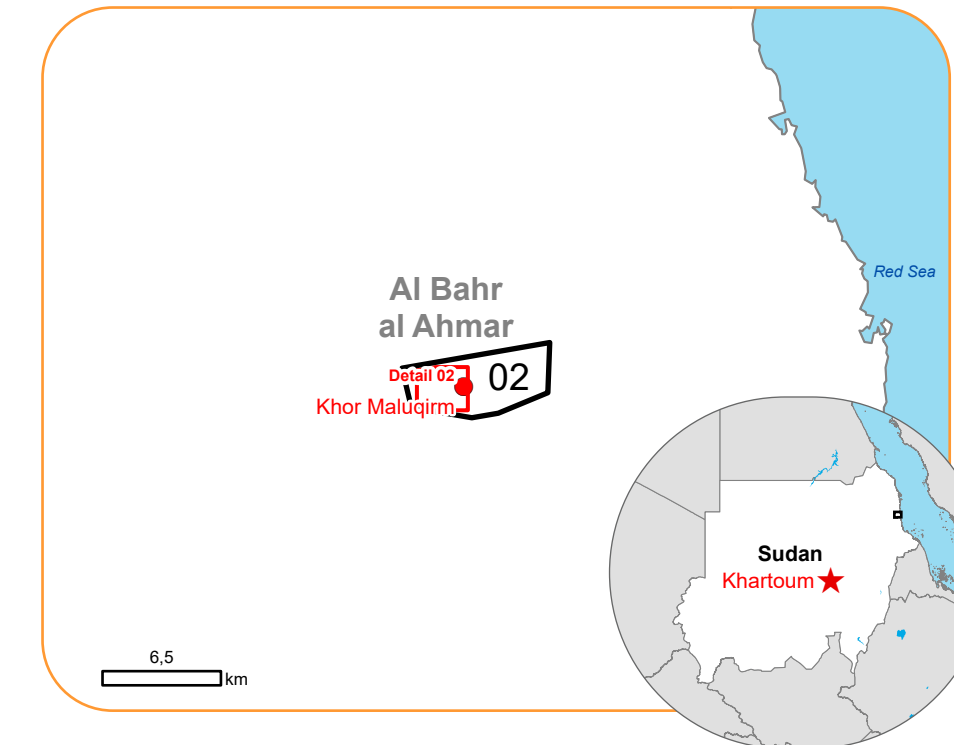
Map produced by CLS released by e-GEOS on the 01/09/2024.

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

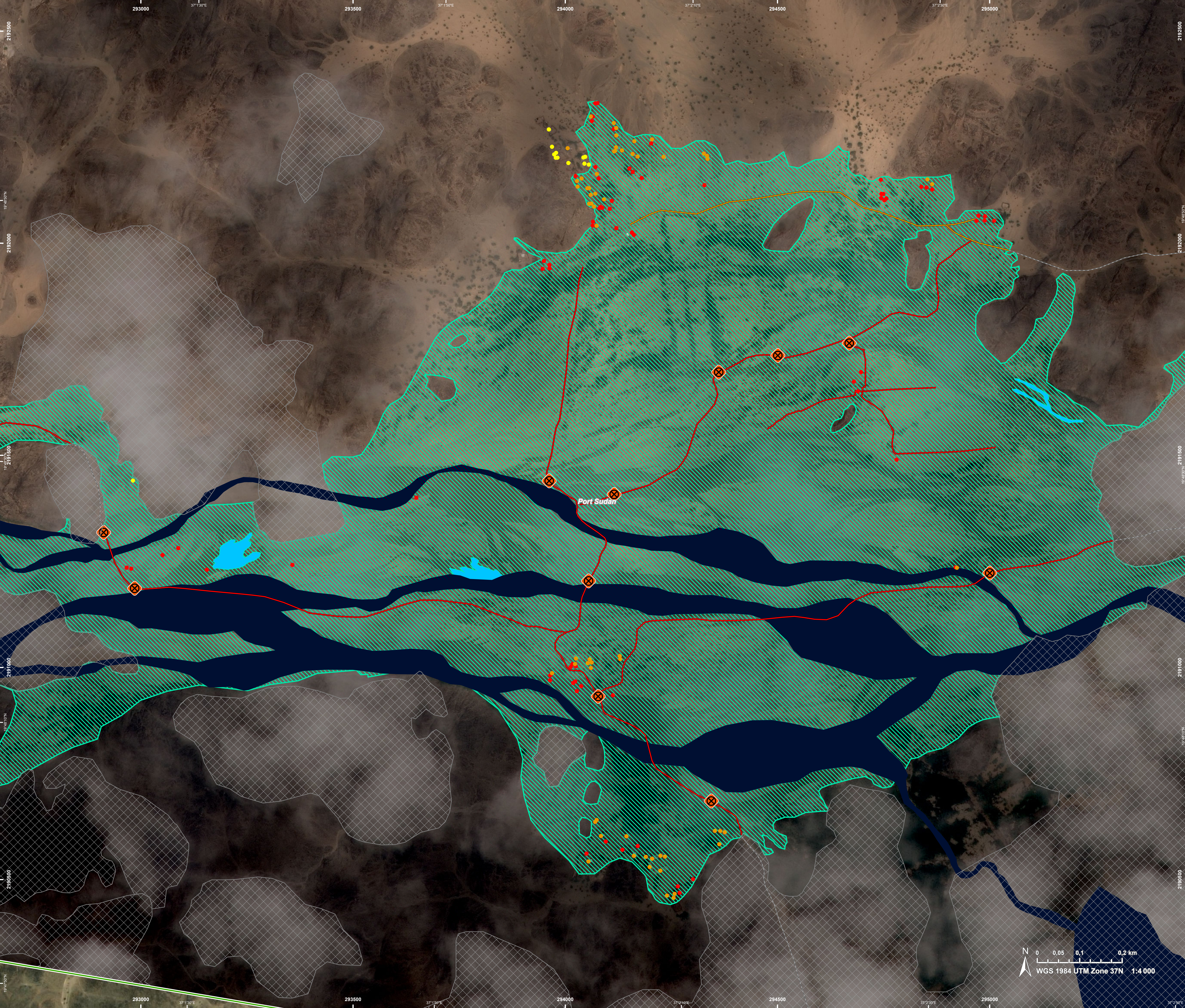




Situation as of 01/09/2024 08:05 UTC
Grading MONIT01 - Detail map 02



- | | |
|---------------------------|-------------------------------|
| Crisis Information | Transportation Grading |
| Flooded Area | Road, Destroyed |
| Flood trace | Road, Damaged |
| Built Up Grading | Track, No visible damage |
| Destroyed | Blocked road / interruption |
| Damaged | General Information |
| Possibly damaged | Area of Interest |
| | Not Analysed |
| | Hydrography |
| | Lake, River |



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.

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| Consequences within the AOI | | | | | | |
|------------------------------|--|-----------|---------|-------------------|------------------|--------------|
| | Unit of measurement | Destroyed | Damaged | Possibly damaged* | Total affected** | Total in AOI |
| Flood trace | ha | | | | | 768,5 |
| Flooded area | ha | | | | | 2,5 |
| Ancillary Crisis Information | Blocked road / interruption | No. | | | | 23 |
| Estimated population | Number of inhabitants | | | | ~ 1 400 | ~ 1 500 |
| Built-up | Residential Buildings | No. | 218 | 128 | 11 | 357 |
| | Building point | No. | 39 | 5 | 1 | 45 |
| Transportation | Local Road | km | 19,3 | 1,0 | 0,2 | 20,6 |
| | Facilities | Dams | km | 0 | 0 | 0 |
| Land use | Shrub and/or herbaceous vegetation association | ha | | | | 417,1 |
| | Open spaces with little or no vegetation | ha | | | | 348,8 |
| | Heterogeneous agricultural areas | ha | | | | 3,9 |
| | Forests | ha | | | | 1,1 |
| | Inland wetlands | 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/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

