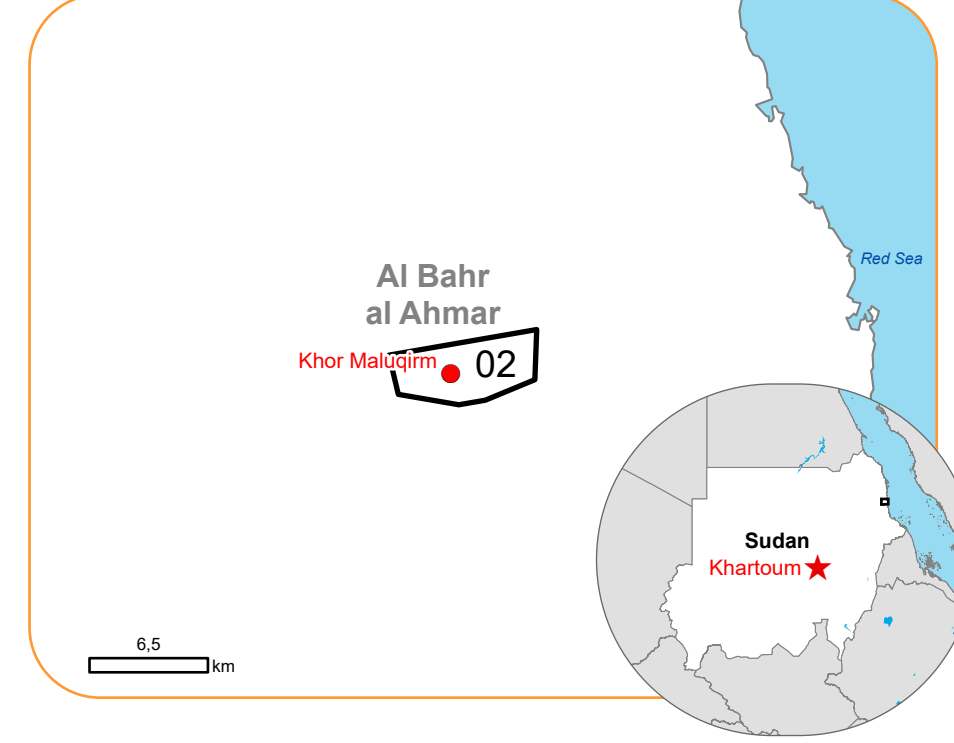


EMSR750 - AOI02
Flood in Sudan
KHOR MALUQIRM

Situation as of 29/08/2024 08:27 UTC
 Grading - Overview map 01



Flood trace 987.6 ha
Flooded area 0.8 ha
Affected population ~ 1400

Affected Built-up and Transportations

Built-up 400 No.
Road 23.0 km

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



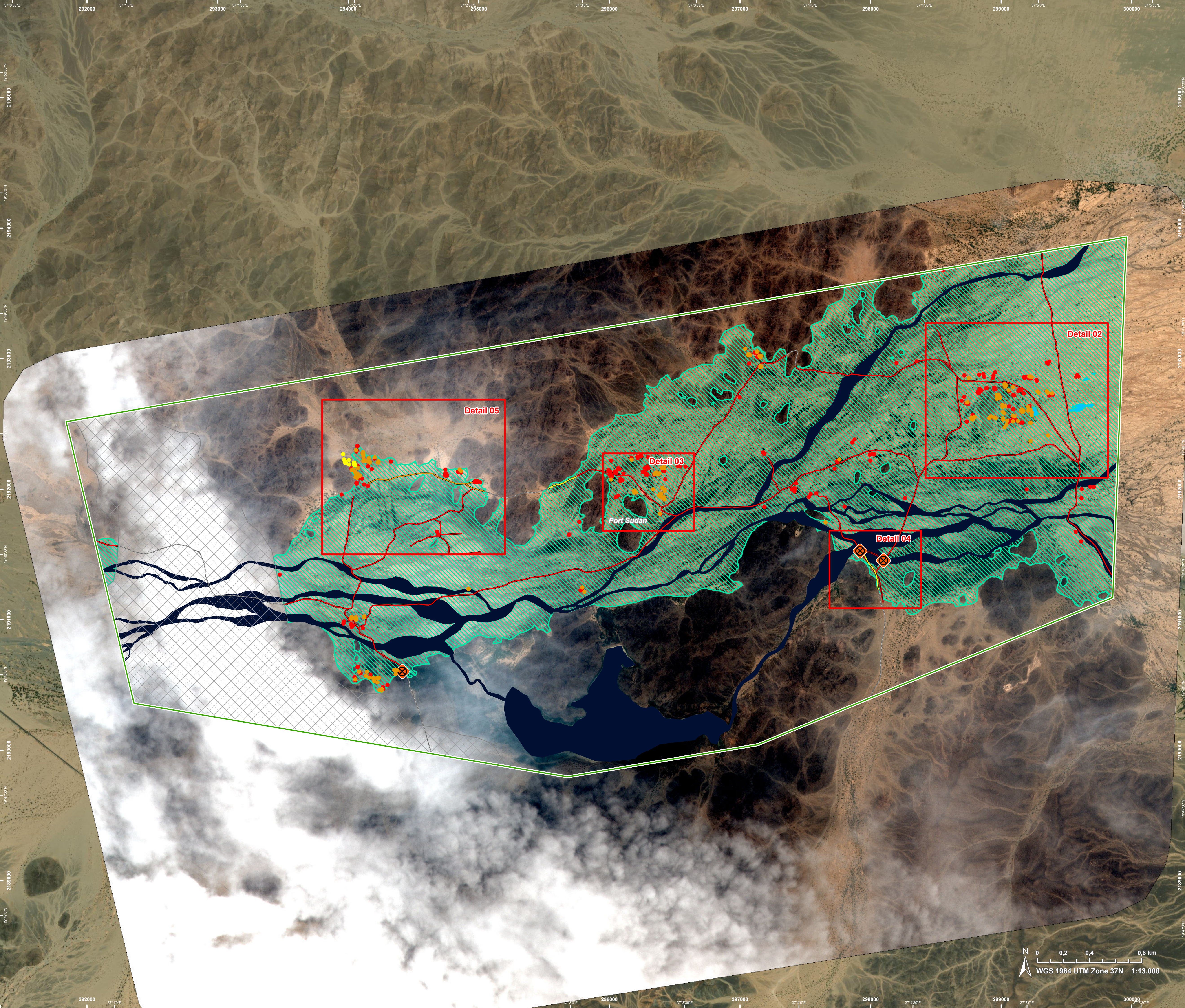
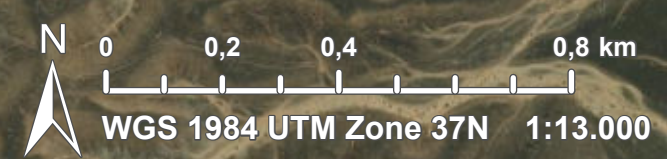
Event On the 25 August 2024, the collapse of Arba'at Dam in Port Sudan is reported to have affected Sudan's northwest Red Sea State. The United Nations Office for the Coordination of Humanitarian Affairs (OCHA) reported at least 60 people have been killed following the flash flooding that affected 20 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.

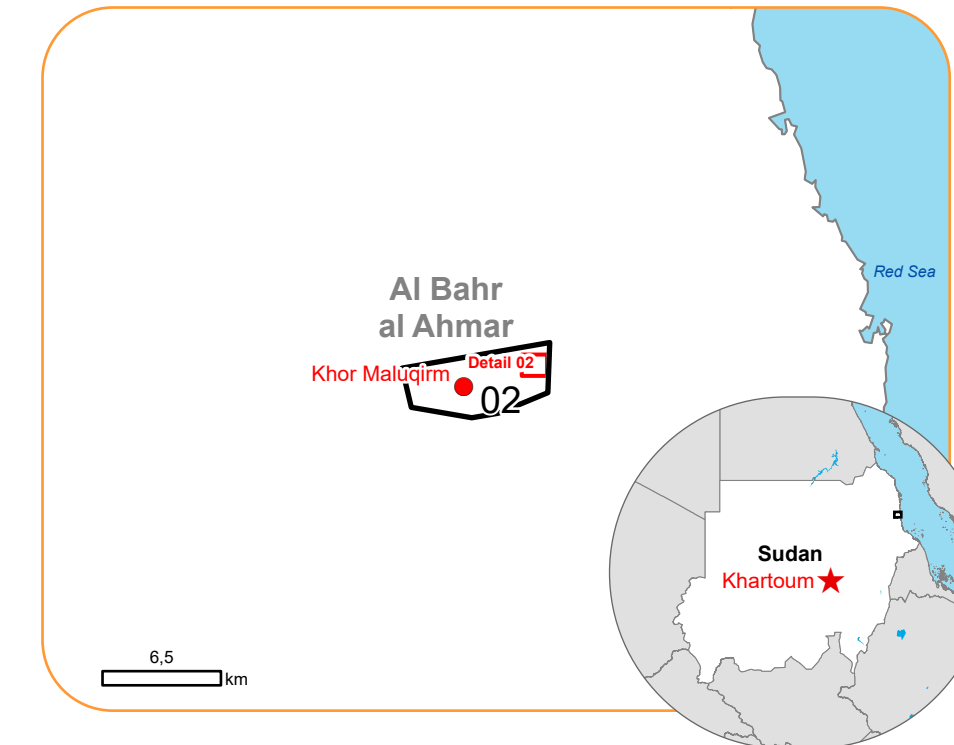
Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 17/10/2023 at 08:17 UTC, resolution 0.5 m).
 Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 29/08/2024 at 08:27 UTC, resolution 0.5 m). This image is used as background image.
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The thematic layer has been derived from post-event satellite image by means of visual interpretation.
 This analysis has been supplemented by the social media.

Map produced by ITHACA released by e-GEOS on the 30/08/2024.

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







Crisis Information

-  Flooded Area
-  Flood trace

Built Up Grading

-  Destroyed
-  Damaged

Transportation Grading

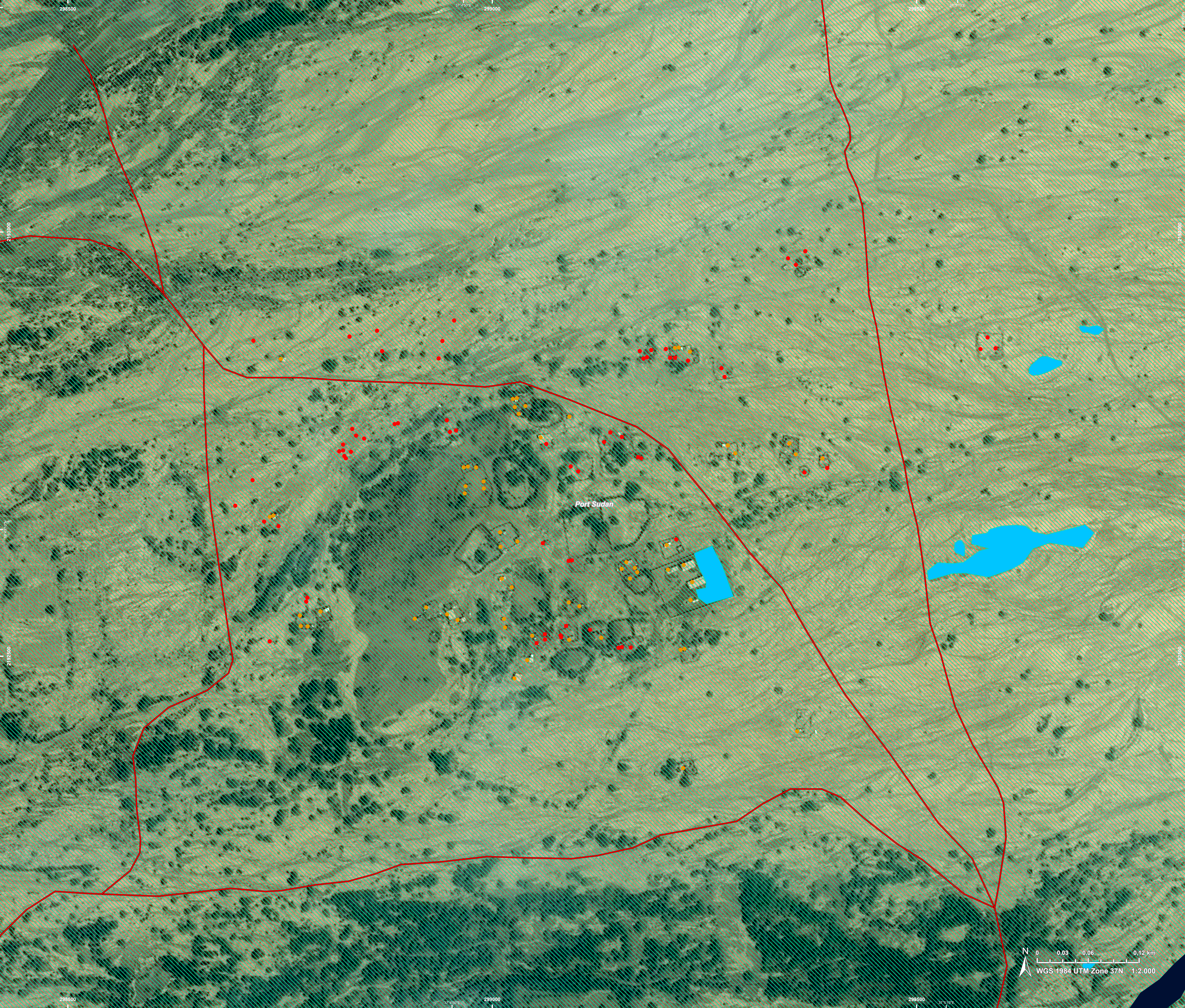
-  Road, Destroyed

General Information

-  Area of Interest

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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Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 29/08/2024 at 08:27 UTC, resolution 0.5 m). This image is used as background image.
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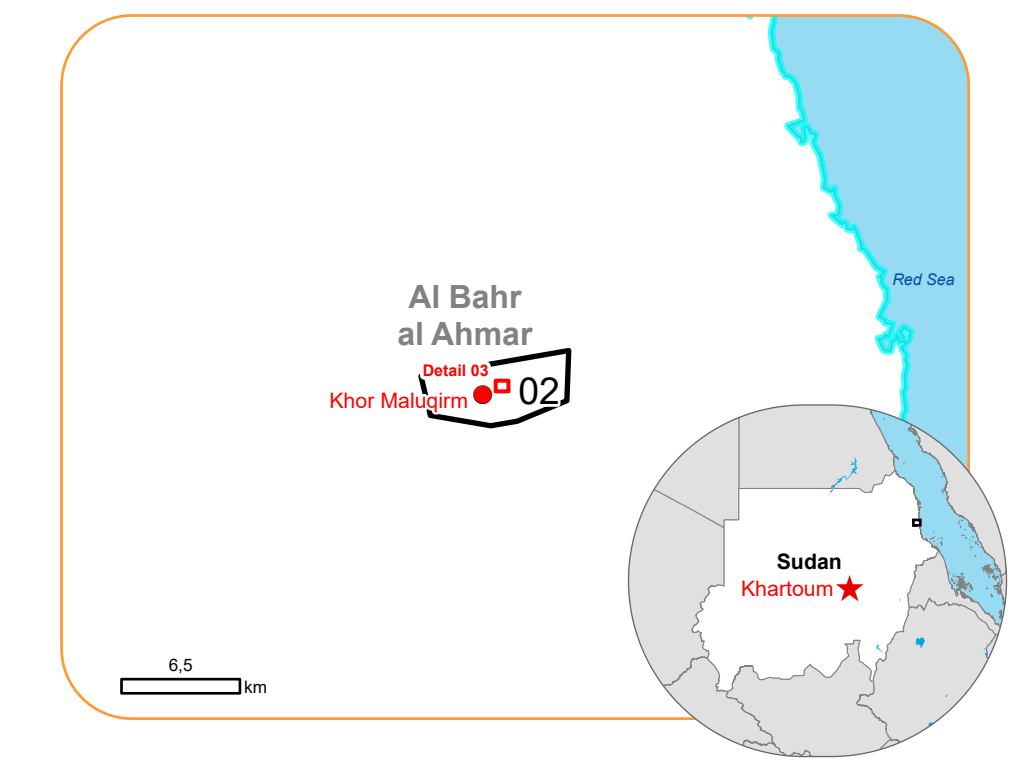
Map produced by ITHACA released by e-GEOS on the 30/08/2024.

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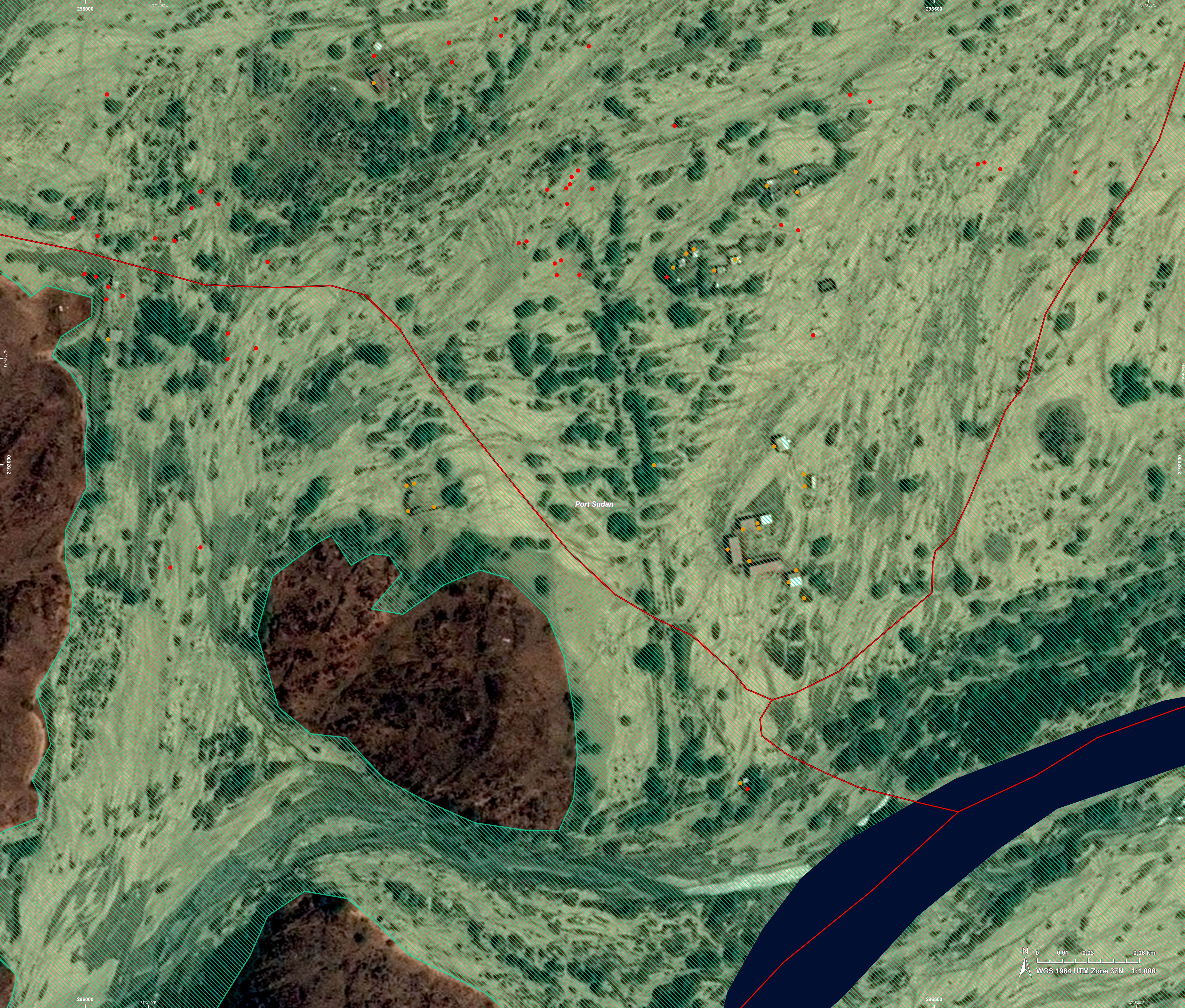
EMSR750 - AOI02
Flood in Sudan
KHOR MALUQIRM

Situation as of 29/08/2024 08:27 UTC
Grading - Detail map 03



Crisis Information

- Flood trace
- Built Up Grading**
 - Destroyed
 - Damaged
- Transportation Grading**
 - Road, Destroyed
- Hydrography**
 - Lake, River



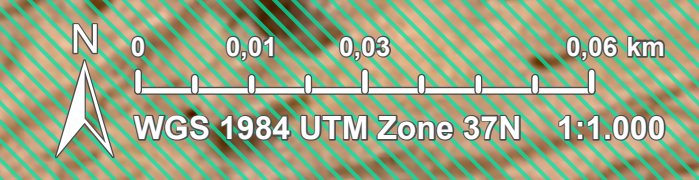
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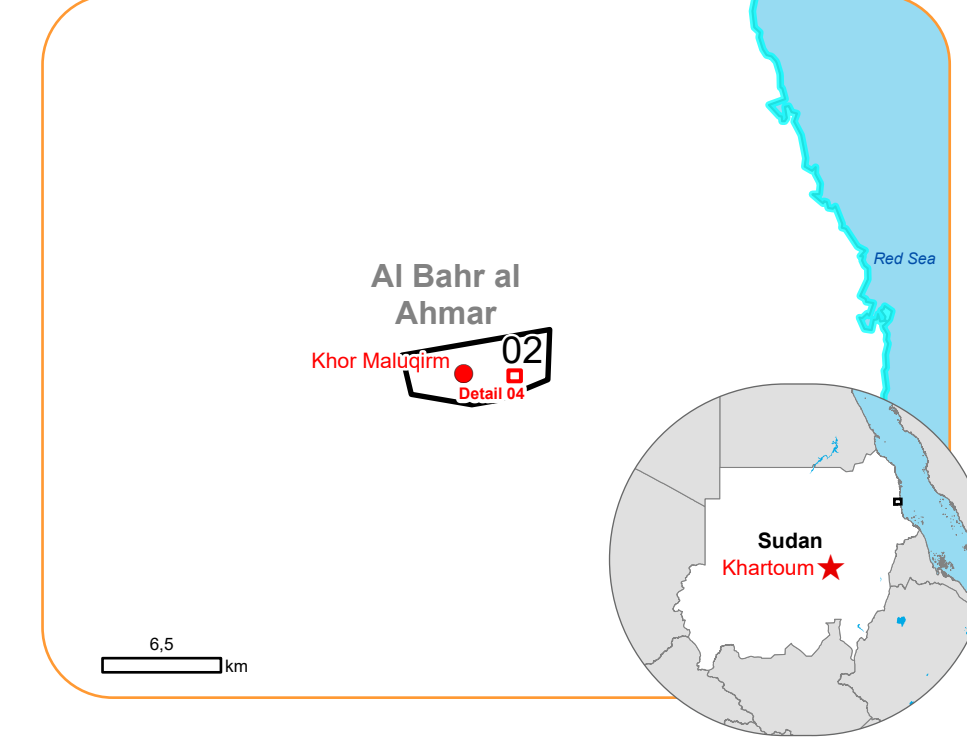
Map produced by ITHACA released by e-GEOS on the 30/08/2024.

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 EMSR750 - AOI02
Flood in Sudan
KHOR MALUQIRM

Situation as of 29/08/2024 08:27 UTC
Grading - Detail map 04



Crisis Information

-  Flood trace
- Transportation Grading**
-  Road, Destroyed
-  Road, Possibly damaged
-  Track, No visible damage
-  Blocked road / interruption
-  Traffic jam
- Hydrography**
-  Lake, River

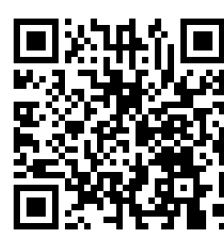
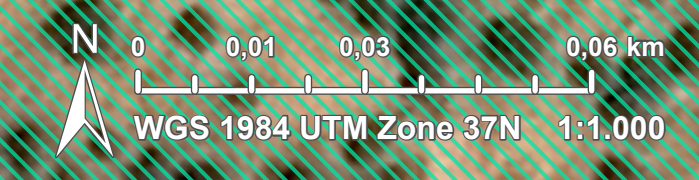


Event: On the 25 August 2024, the collapse of Arba'at Dam in Port Sudan is reported to have affected Sudan's northwest Red Sea State. The United Nations Office for the Coordination of Humanitarian Affairs (OCHA) reported at least 60 people have been killed following the flash flooding that affected 20 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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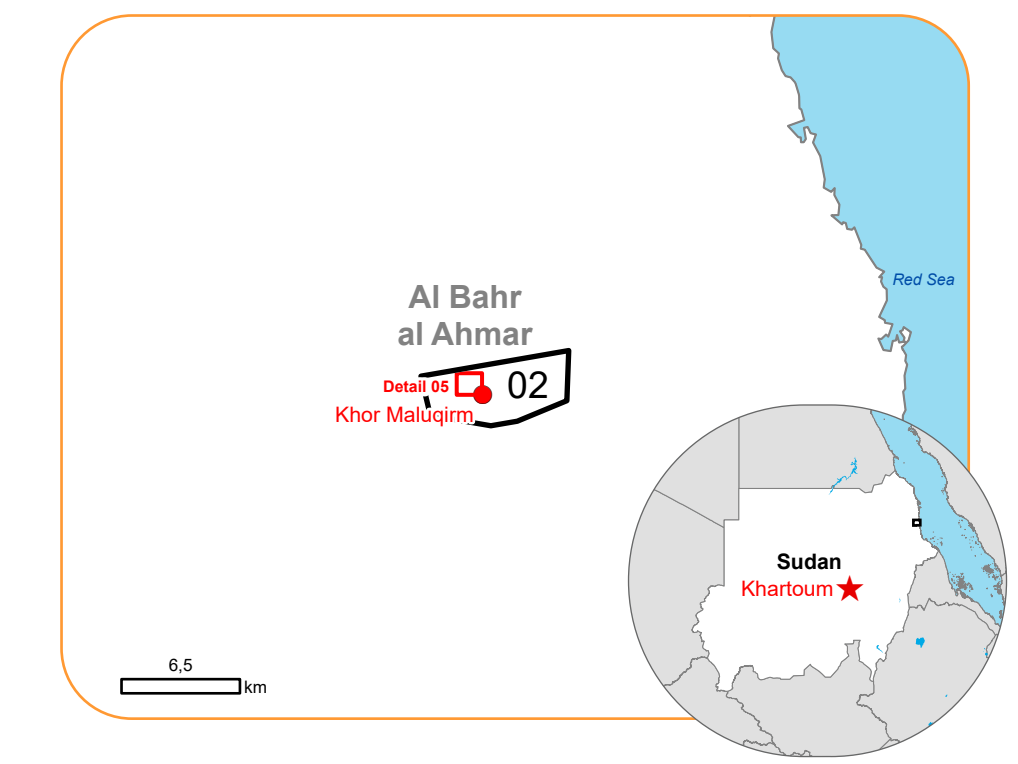
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Map produced by ITHACA released by e-GEOS on the 30/08/2024.
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EMSR750 - AOI02
Flood in Sudan
KHOR MALUQIRM

Situation as of 29/08/2024 08:27 UTC
Grading - Detail map 05



Crisis Information

Flood trace

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Transportation Grading

- Road, Destroyed
- Road, 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.

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Consequences within the AOI						
	Unit of measurement	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha					987.6
Flooded area	ha					0.8
Traffic jam	km					0.7
Ancillary Crisis Information	Blocked road / interruption	No.				3
Estimated population	Number of inhabitants				~ 1.400	~ 1.500
Built-up	Residential Buildings	No.	221	167	12	400
Transportation	Local Road	km	21.4	1.0	0.6	23.0
Facilities	Dams	km	0	0	0	0.3
Land use	Shrub and/or herbaceous vegetation association	ha				505.1
	Open spaces with little or no vegetation	ha				461.4
	Heterogeneous agricultural areas	ha				20.7
	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

