


2 September 2024

PRELIMINARY SATELLITE- DERIVED IMPACT ASSESSMENT ON HEALTH FACILITIES



Abu Hamad City, Abu Hamad Locality, River Nile State

 Status: Affected structures detected

 Further action(s): continue monitoring

Sudan

2 September 2024



ABU HAMAD CITY, ABU HAMAD LOCALITY, RIVER NILE STATE

Flooded structures and road observed



Standing flood water

Standing flood water

Overflow evidence

Abu-hamad electrical substation

Overflow evidence

Overflow evidence

Overflow evidence

Overflow evidence

Nile River

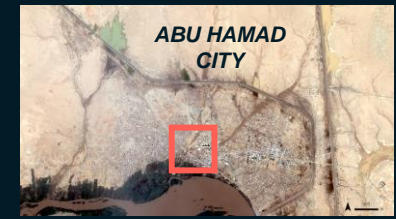


Pleiades image acquired on 29 August 2024, 08:28 UTC
Arbaat Dam Location: 33°19'35"E 19°32'38"N

AOI 1: ABU HAMAD CITY, ABU HAMAD LOCALITY, RIVER NILE STATE

Overflow evidence, Alshorta and Alshaheed Gamal (Family Health Center) Possibly affected

Image center:
33°19'26"E
19°32'19"N



WorldView-2 / 08 January 2024

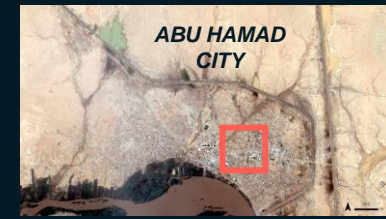


Pleiades / 29 August 2024

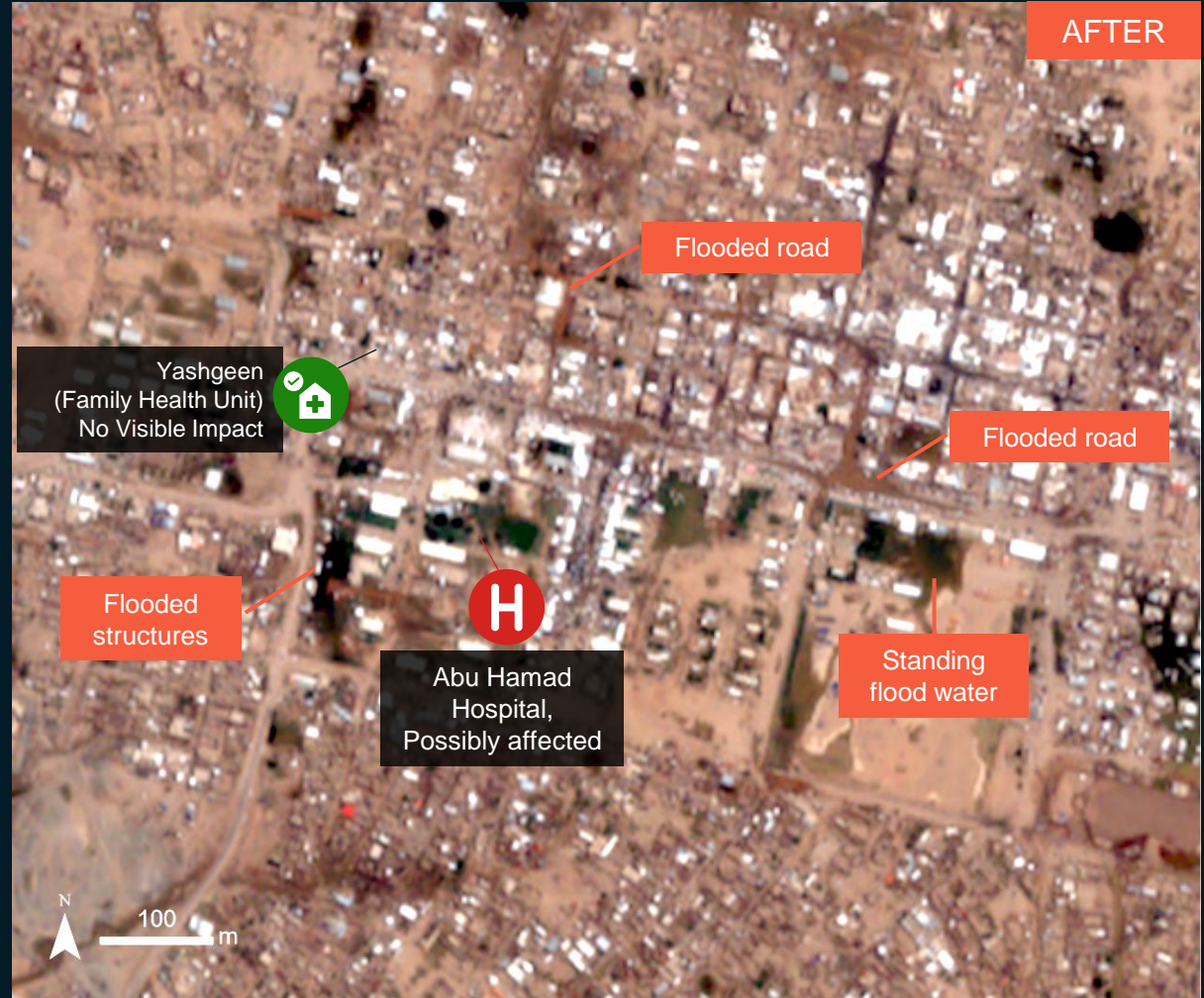
AOI 2: ABU HAMAD CITY, ABU HAMAD LOCALITY, RIVER NILE STATE

Flooded structures and road, Abu Hamad Hospital, Possibly affected

Image center:
33°20'13"E
19°32'13"N



WorldView-2 / 08 January 2024

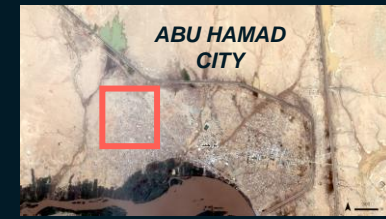


Pleiades / 29 August 2024

AOI 3: ABU HAMAD CITY, ABU HAMAD LOCALITY, RIVER NILE STATE

No major flood observed

Image center:
33°18'45"E
19°32'32"N



WorldView-2 / 08 January 2024

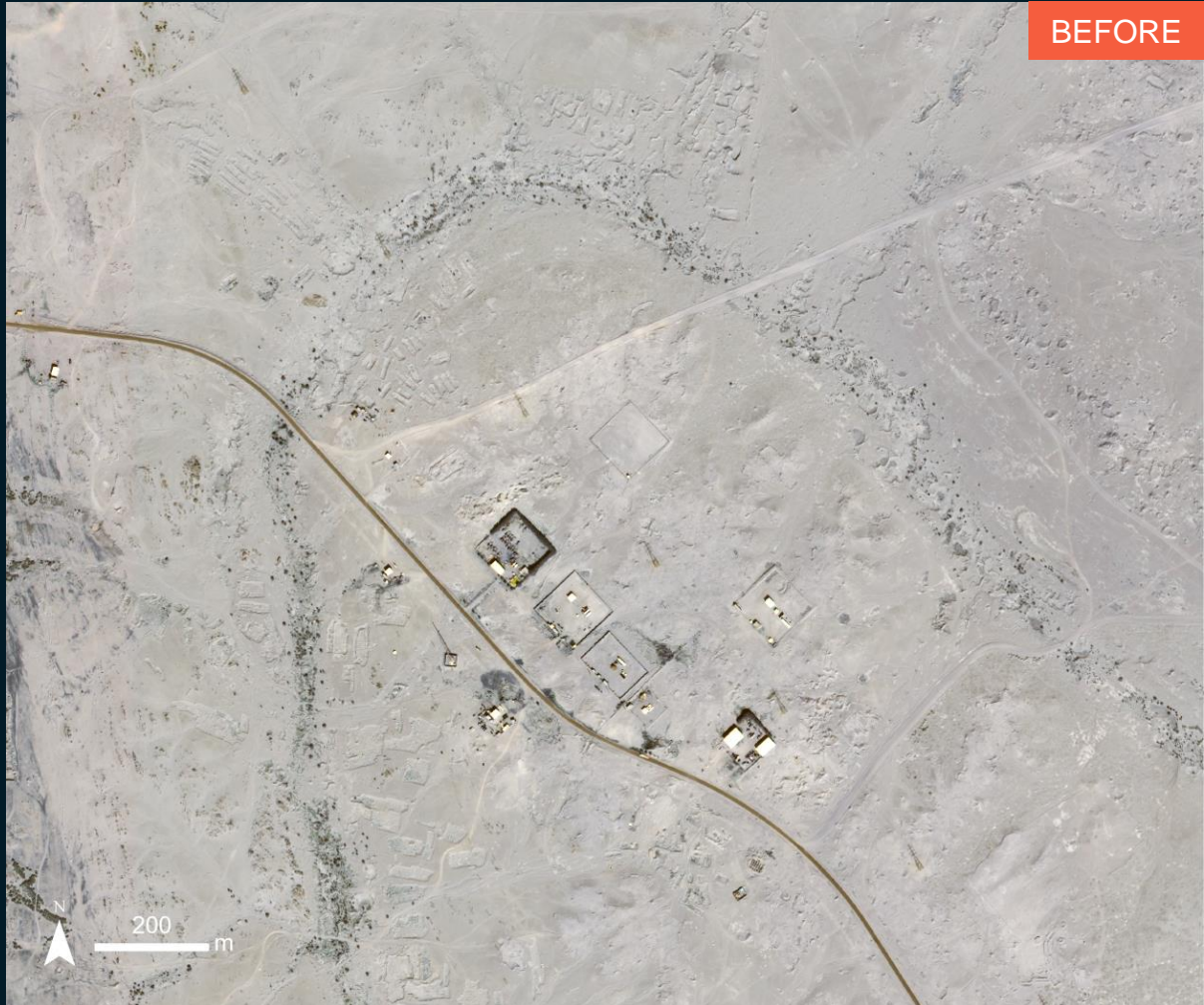
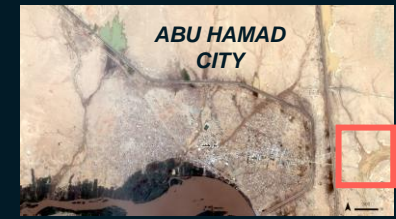


Pleiades / 29 August 2024

AOI 4: ABU HAMAD CITY, ABU HAMAD LOCALITY, RIVER NILE STATE

Overflow evidence, flooded structures

Image center:
33°21'45"E
19°31'53"N



WorldView-2 / 08 January 2024



Pleiades / 29 August 2024

SUMMARY OF FINDINGS

- Flooded areas and evidence of overflow were observed in Hamad City, Abu Hamad Locality, River Nile State, on August 29, 2024.
- Alshorta, Alshaheed Gamal (Family Health Center), and Abu Hamad Hospital are likely affected by the floodwaters.
- Yashgeen (Family Health Unit) and Alsilim (Family Health Center) appear to be unaffected by the floodwaters.

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Data sources:

(1) Satellite Image (Post-event): Pléiades

Acquisition date : 29 August 2024 at 08: UTC

Resolution: 50cm

Copyright: Includes Pleiades material © CNES (2024), Distribution Airbus DS

Source: Airbus D&S

(2) Pre-image

Satellite Data : WorldView-2

Imagery Dates: 8 January 2024

Resolution : 50 cm

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Source: USGS

(3) Ancillary data

Administrative boundaries: UNOCHA

Health facilities: World Health Organisation

Populated place: OpenStreetMap

Waterway: OpenStreetMap

Road data: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)



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United Nations Satellite Centre (UNOSAT),
United Nations Institute for Training and
Research (UNITAR)
7 bis, Avenue de la Paix, CH-1202 Geneva 2,
Switzerland

T +41 22 917 4720
E unosat@unitar.org
www.unosat.org