



2 September 2024

### PRELIMINARY SATELLITE-DERIVED IMPACT ASSESSMENT ON HEALTH FACILITIES



Arbaat Dam, Al Ganap Locality and Port Sudan, Red Sea State, Sudan

Status: Affected structures detected





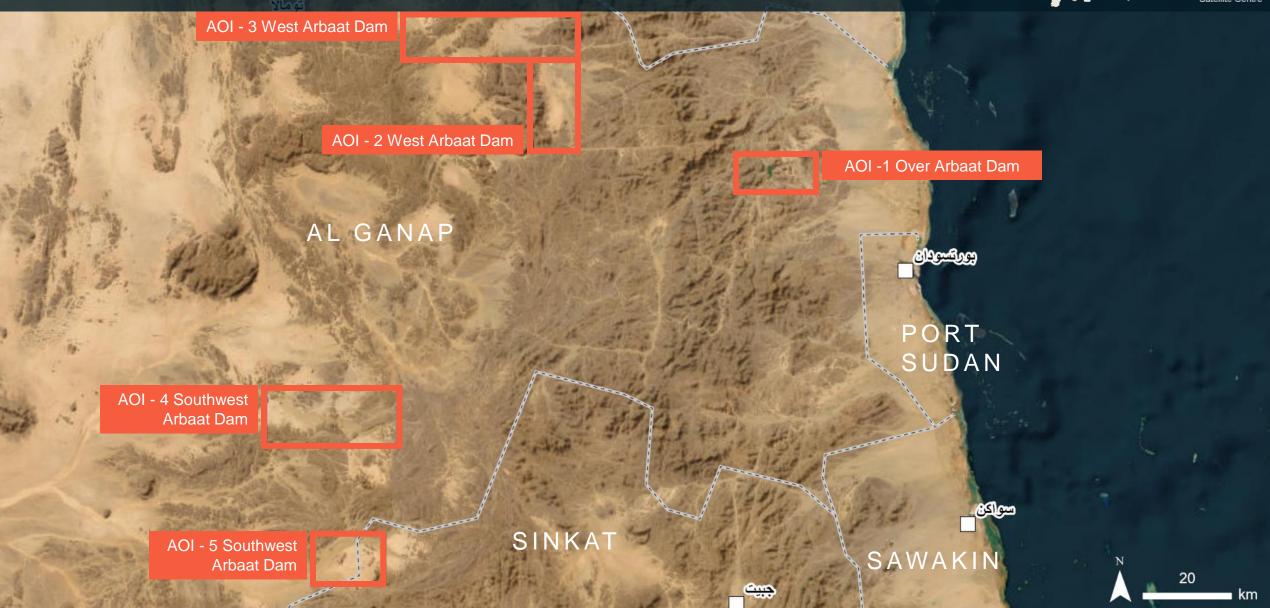


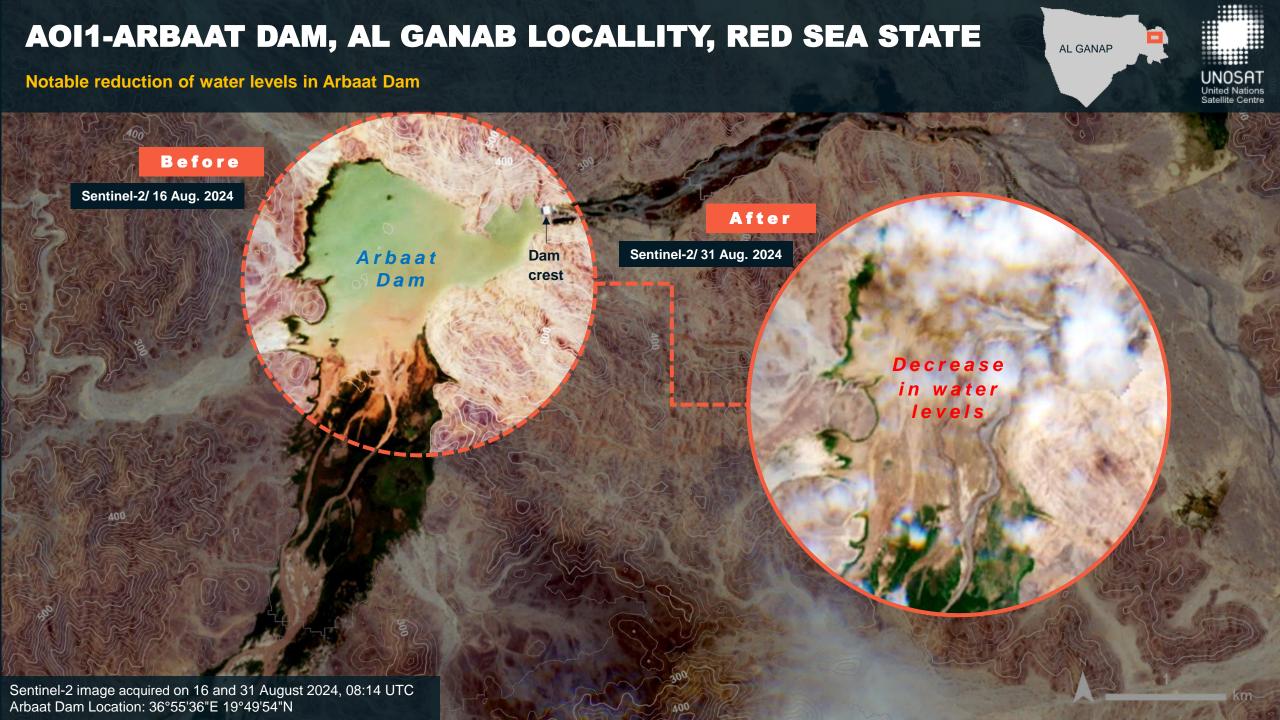


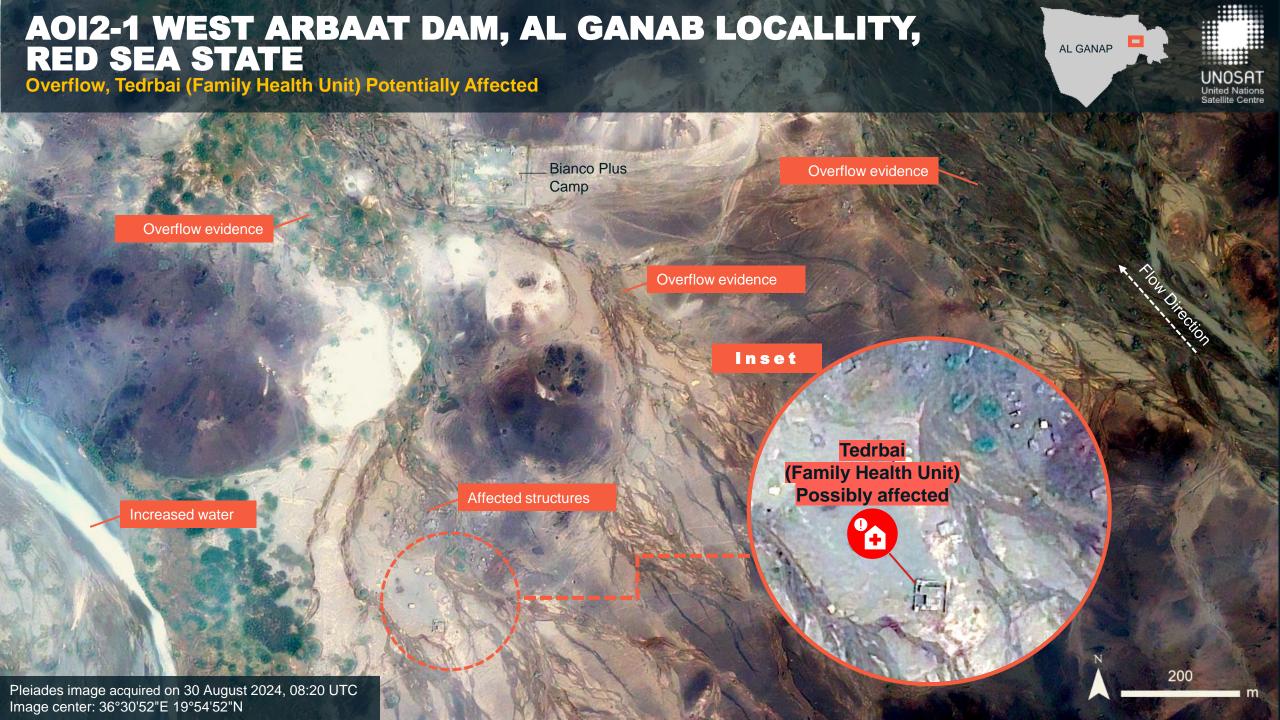
# FIVE AREAS OF INTEREST IN AL GANAP AND PORT SUDAN













## AOI3-1 WEST ARBAAT DAM, AL GANAB LOCALLITY, RED SEA STATE



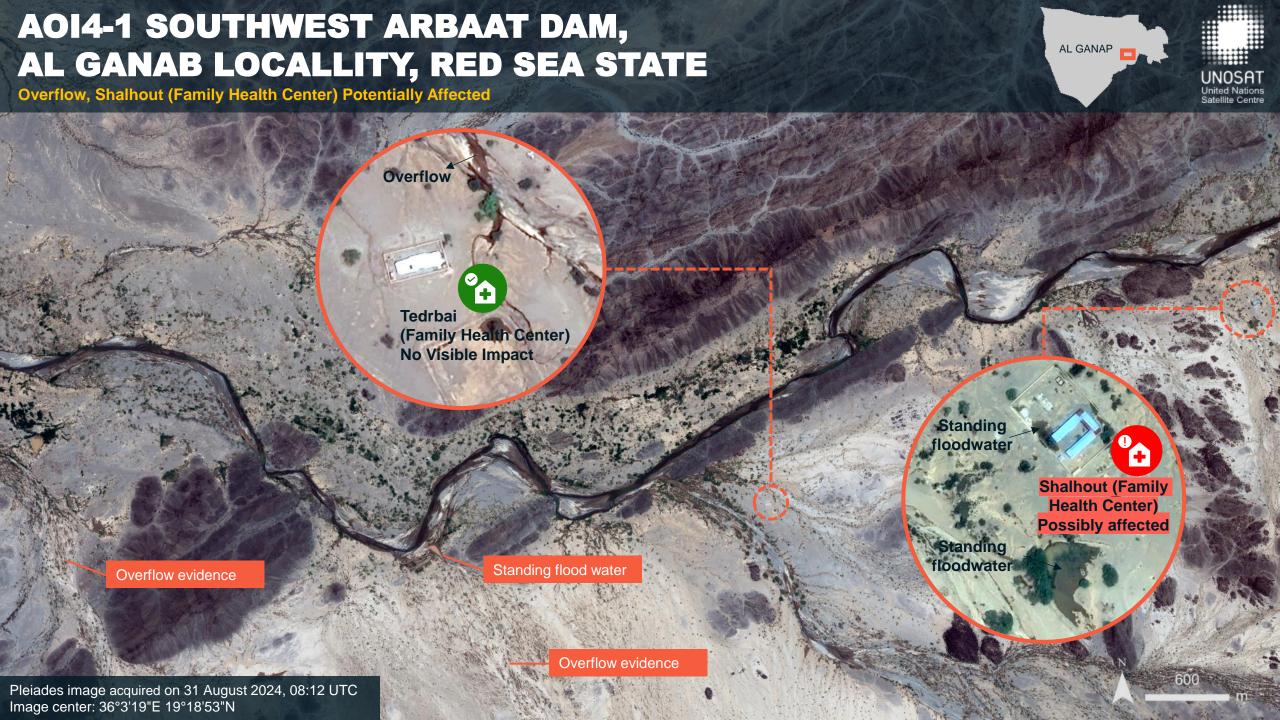


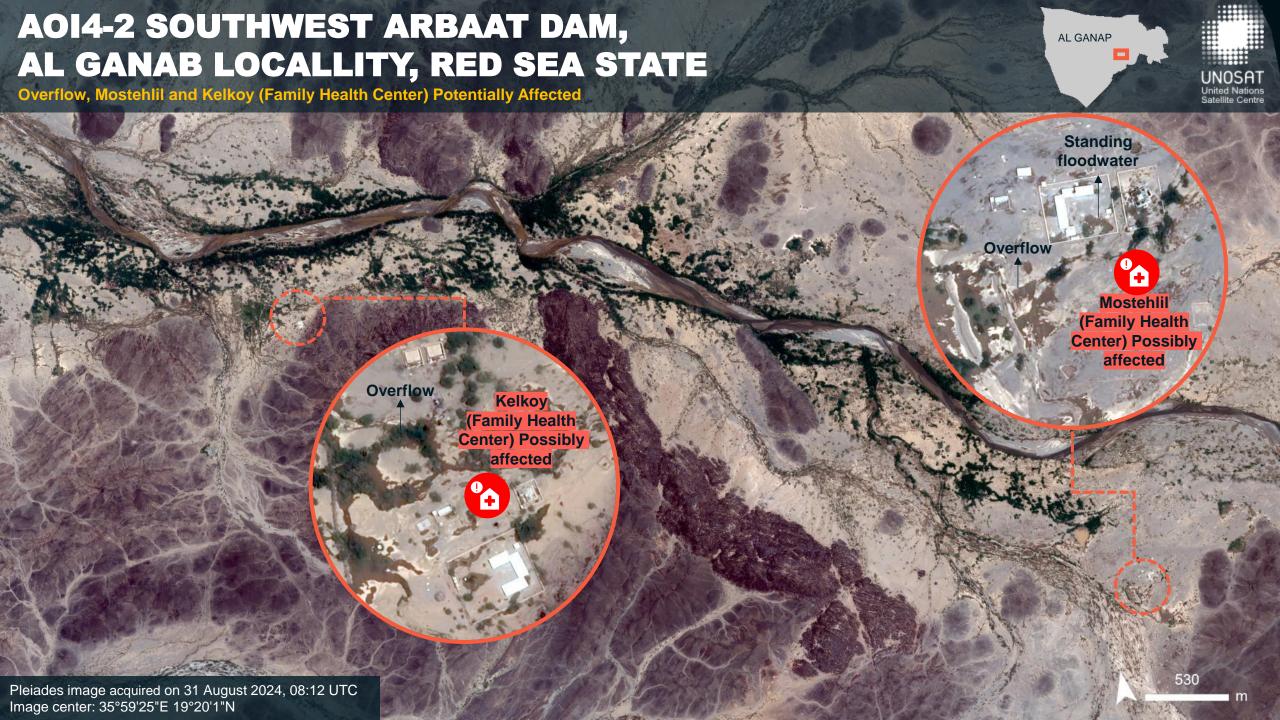
Overflow, Kdoweeb (Family Health Unit) No Visible Impact

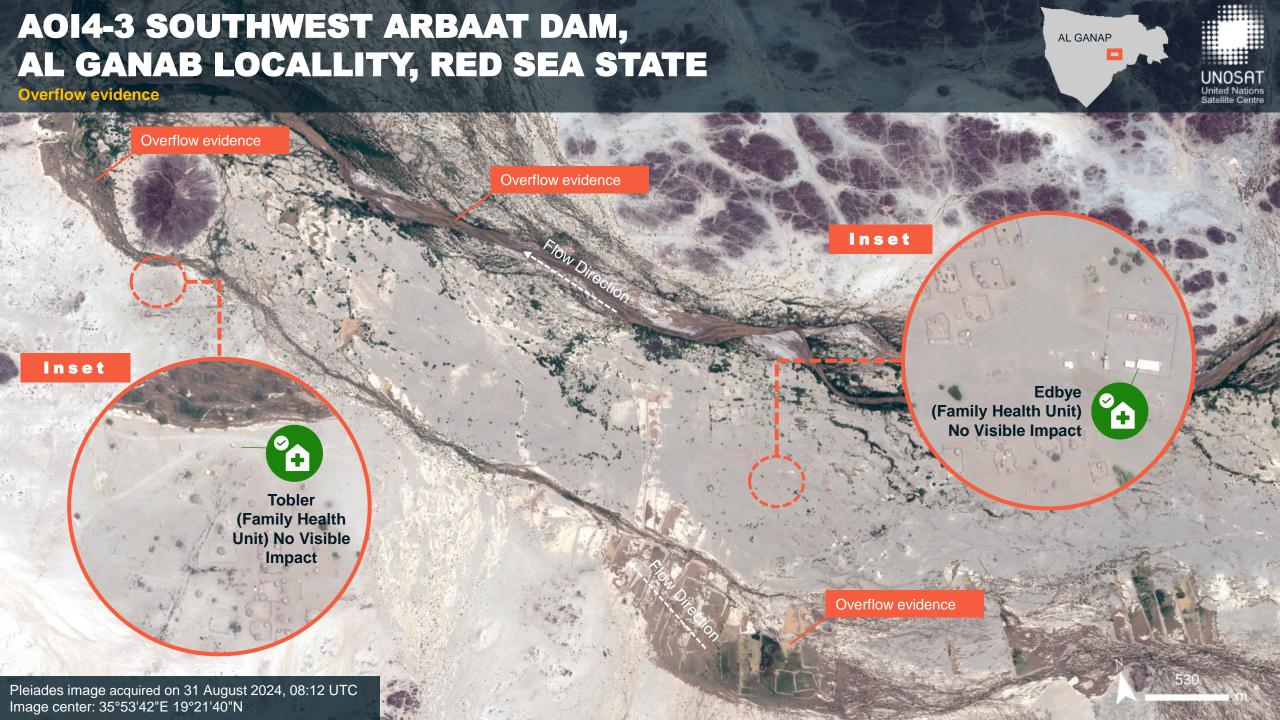


## AOI3-2 WEST ARBAAT DAM, AL GANAB LOCALLITY, RED SEA STATE AL GANAP Overflow, Hit Wasat (Family Health Unit) Potentially Affected Overflow evidence **Hit Wasat** (Family Health Unit) **Possibly affected** Overflow evidence Overflow evidence Pleiades image acquired on 31 August 2024, 08:12 UTC Image center: 36°15'48"E 20°7'22"N









### AOI5- SOUTHWEST ARBAAT DAM, AL GANAP AL GANAB LOCALLITY, RED SEA STATE Overflow, Agoamet Srarah and Tegilo (Family Health Unit) Potentially Affected Overflow evidence Flow Direction Standing loodwater Overflow evidence **Agoamet Srarah** (Family Health **Unit) Possibly** affected (Family Health Unit) Possibly affected Overflow Pleiades image acquired on 31 August 2024, 08:12 UTC Image center: 35°58'49"E 19°2'54"N

### **SUMMARY OF FINDINGS**



- Water levels have been notably reduced in the Arbaat Dam observed as of 31 August 2024;
- Flooded areas and overflow evidence observed along the waterway in Alganab locality as of 30 and 31 August 2024;
- Abunqarah, Kdoweeb, Tobler, Edbye Family Health Units, as well as Tedrbai Family Health Centers, appear to be unaffected by floodwaters.
- Tedrbai, Hit Wasat, Tamli, Agoamet Srarah, and Tegilo Family Health Units, as well as Kelkoy and Mostehliland Shalhout Family Health Centers, are likely affected by floodwaters.

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#### Data sources:

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

Acquisition date: 30 August 2024at 08:30 UTC and 31 August 2024 at

08:12 UTC

Resolution: 50cm

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

Airbus DS

Source: Airbus D&S

(2) Satellite Image Satellite (Post-event): : Sentinel-2

Imagery Dates: 19 August 2024 at 09:50 UTC

Resolution: 10 m

Copyright: Contains modified Copernicus Sentinel data (2024)

Source: ESA

(3) Satellite Image (Pre-event): Sentinel-2 Imagery Dates: 16 August 2024 at 08:14 UTC

Resolution: 10 m

Copyright: Contains modified Copernicus Sentinel data (2024)

Source: ESA

#### (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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