


20 October 2023

PRELIMINARY SATELLITE- DERIVED FLOOD ASSESSMENT



Volta River, Volta Region and Greater Accra Region, Ghana

 Status: Increased water along the river and flooded areas

 Further action(s): continue monitoring

GHANA

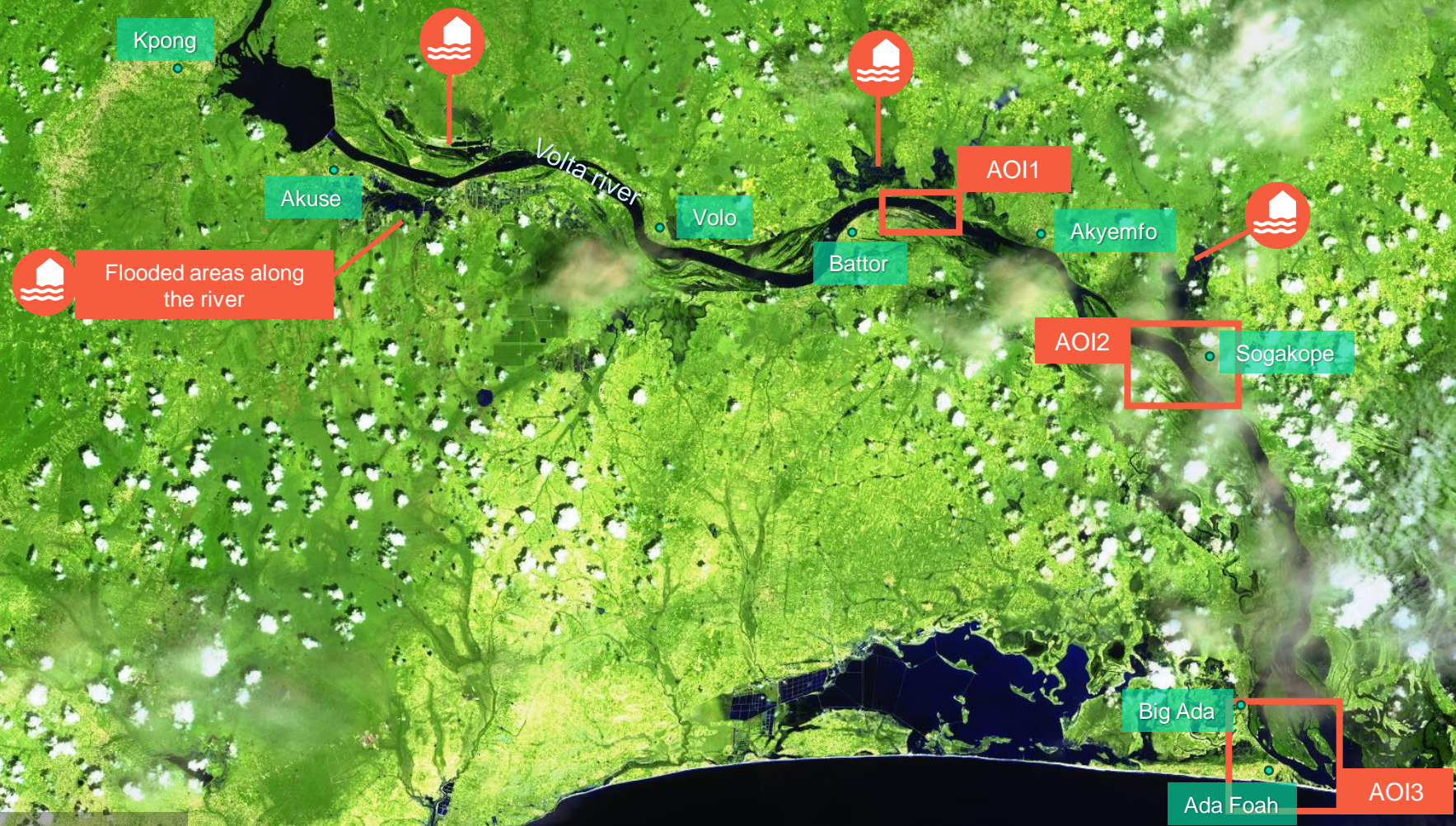
20 October 2023



Volta River

Increased water and flooded areas along Volta River

Image center:
0°24'50"E
6°4'39"N



AOI 1: Mepe Town, North Tongu District, Volta Region, Ghana

Increased water along the river and flooded structures

Image center:
0°25'16"E
6°4'37"N



Volta river



Increased water along the river

Flooded areas

Flooded areas and affected buildings

Flooded buildings

Flooded buildings

200 m

AOI 2: Sogakope & Sokpoe Town, South Tongu District, Volta Region, Ghana

Increased water along the river and flooded structures

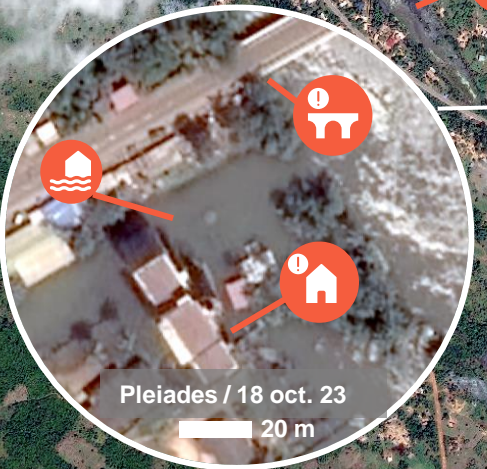
Image center:
0°35'9"E
5°59'32"N



Increased water along the river

Flooded areas

Flooded buildings



Volta river



420 m

AOI 3-1 Soli Korpe Town, Ada East District, Greater Accra Region, Ghana

Increased water level and flooded area along the Volta river,

Image center:
0°37'14"E
5°48'3"N



Worldview 3 / 06 March 2023



Pleiades / 18 October 2023

AOI 3-2 Ada Foah Town, Ada East District, Greater Accra Region, Ghana

Increased water level along the river and affected structures away area

Image center:
0°39'39"E
5°46'36"N



Worldview 3 / 06 March 2023



Pleiades / 18 October 2023

SUMMARY OF FINDINGS

- Increased water and inundated areas observed along the Volta River in North Tongu, South Tongu & Ada East Districts as of 18 October 2023;
- Flooded structures observed in Mepe, Sogakope & Sokpoe, Soli Korpe and Ada Foah Towns as of 18 October 2023.

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Data sources:

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

Imagery date: 15 October 2023

Resolution: 10 m

Copyright: Contains modified Copernicus Sentinel Data [2021]

Source: ESA

Satellite Image (Post-event): WorldView-2

Imagery Date: 18 October 2023, 10:02 UTC

Resolution: 50cm

Copyright: © 2023 DigitalGlobe, Inc.

Source: USGS / HDDS

Satellite Image (Post-event): Pléiades

Acquisition date : 18 October 2023

Resolution: 50cm

Copyright: Includes Pleiades material © AIRBUS DS (2023)

Source: Airbus D&S

(2) Satellite Image (Pre-event): WorldView-3

Imagery Date: 6 March 2023

Resolution: 50cm

Copyright: © 2023 DigitalGlobe, Inc.

Source: USGS / HDDS

(3) Ancillary data

Populated place: OpenStreetMap

Administrative boundaries: HDX, UNOCHA

Analysis: UNITAR-UNOSAT

Production: UNITAR-UNOSAT

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