



06 November 2023

# PRELIMINARY SATELLITE- DERIVED FLOOD ASSESSMENT



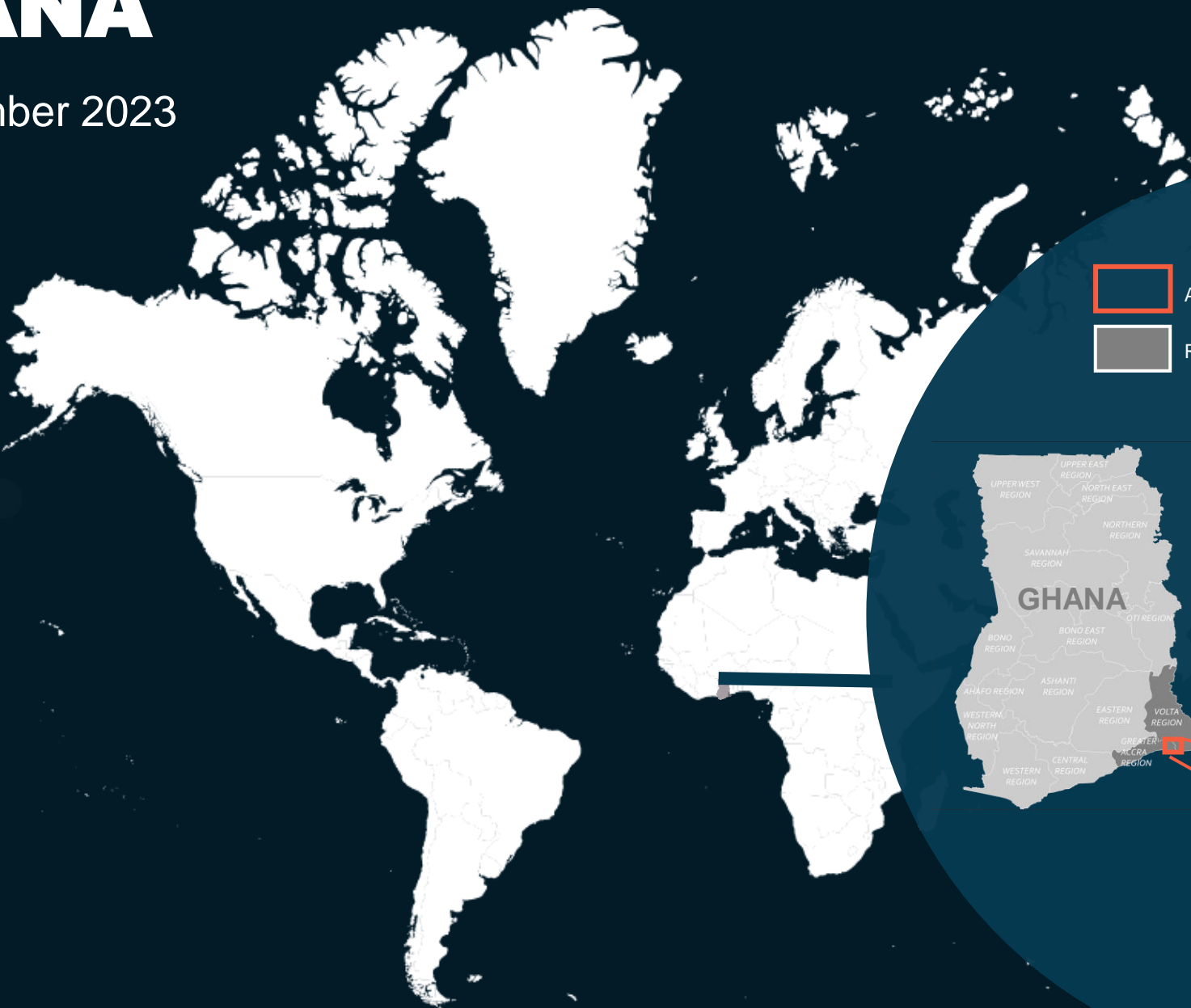
Volta River, Volta Region and Greater Accra Region, Ghana

 Status: Flooded structures observed

 Further action(s): continue monitoring

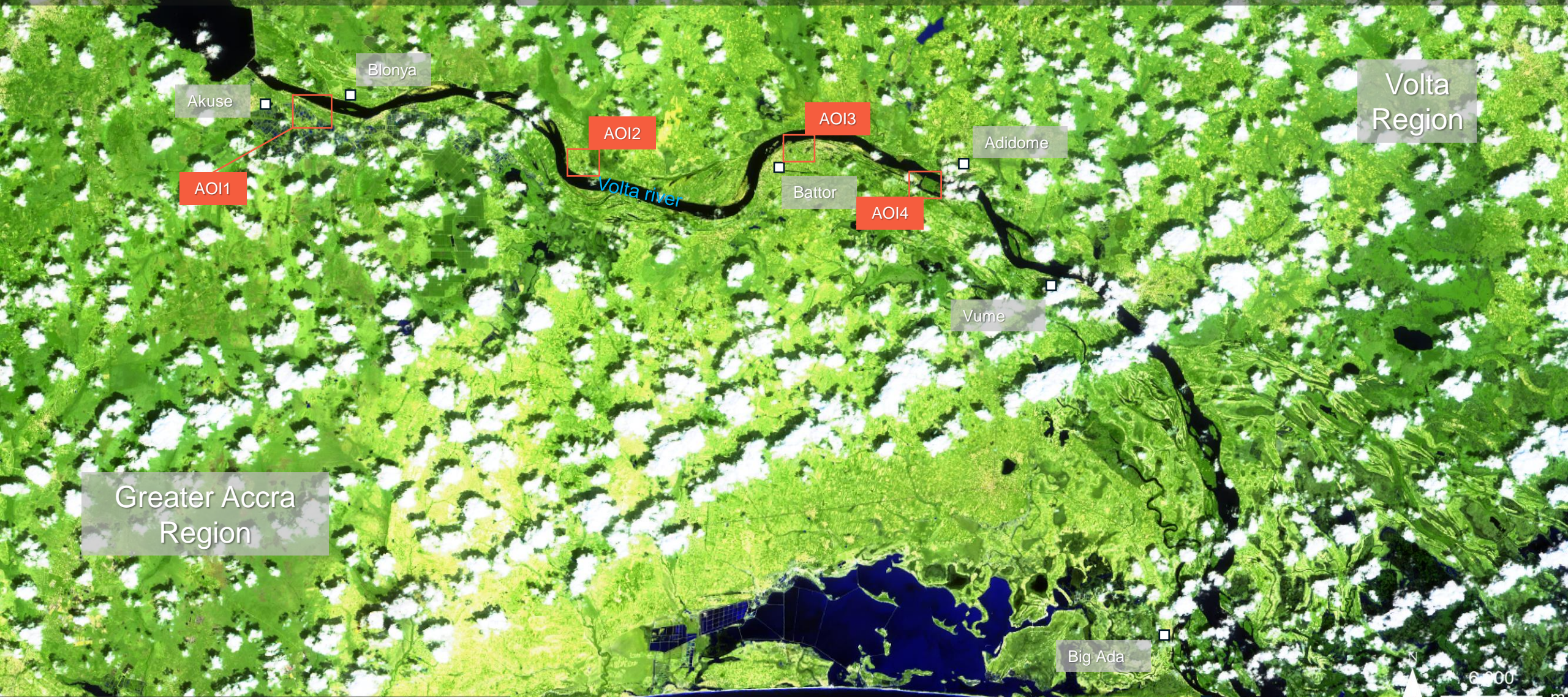
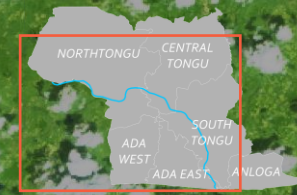
# GHANA

06 November 2023



# AOI 1: Greater Accra & Volta Region, Ghana

Decreased water along the Volta River



Greater Accra Region

Volta Region

# AOI 1: Shai Osudoku District, Greater Accra Region

Image center:  
06°06'03"N  
00°09'13"E



No affected structures



WorldView-3 / 29 February 2020



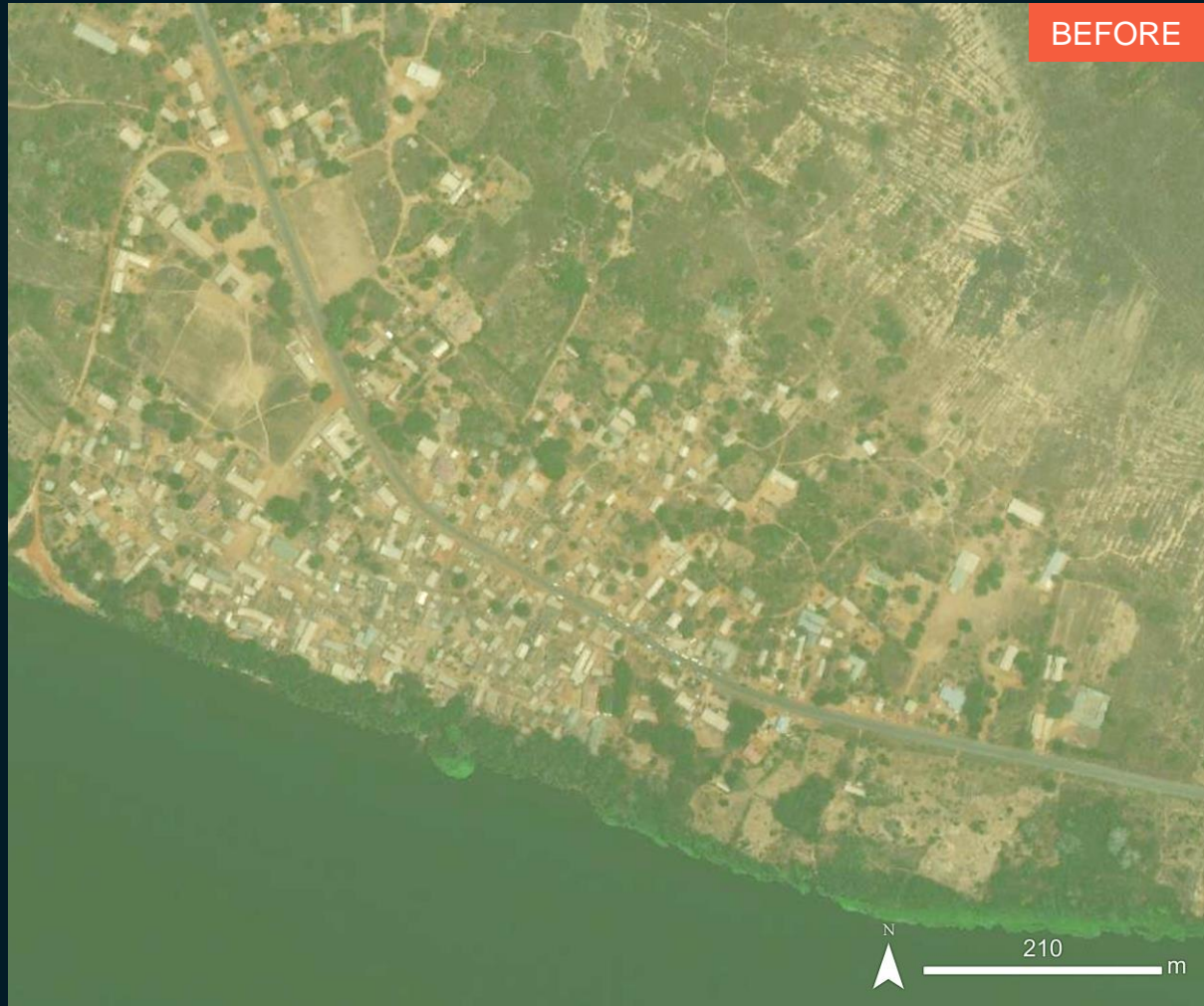
WorldView-2 / 03 November 2023

# AOI 2: Volo village, North Tongu District, Volta Region

Image center:  
06°03'49"N  
00°18'15"E



No affected structures



BEFORE

WorldView-3 / 29 February 2020

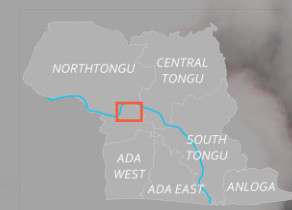


AFTER

WorldView-2 / 03 November 2023

# AOI 3: Mepe village, North Tongu District, Volta Region

Flooded structures



Volta river

Mepe village



Flooded structures



Flooded structures

# AOI 4: Central Tongu District, Volta Region

Image center:  
06°02'55"N  
00°29'55"E



Flooded structures



GeoEye-1 / 16 January 2020



WorldView-2 / 03 November 2023

# SUMMARY OF FINDINGS

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- Flooded structures observed in Mepe village, North Tongu District, Volta Region as of 03 November 2023;
- Flooded structures observed 8km SE of Mepe village, Central Tongu District, Volta Region as of 03 November 2023;
- Not affected structures could be observed within Shai Osudopku District, Greater Accra Region as of 03 November 2023.



# COPYRIGHTS & SOURCES

## Data sources:

(1) Satellite Image (Post-event): Sentinel-2  
Imagery date: 04 November 2023, 10:29 UTC  
Resolution: 10 m  
Copyright: Contains modified Copernicus Sentinel Data [2021]  
Source: ESA

Satellite Image (Post-event): WorldView-2  
Imagery Date: 03 November 2023, 10:32 UTC  
Resolution: 50cm  
Copyright: © 2023 DigitalGlobe, Inc.  
Source: USGS / HDDS

(2) Satellite Image (Pre-event): ESRI Basemap

(3) Ancillary data

Administrative boundaries: HDX, UNOCHA  
Populated place: OpenStreetMap  
Waterway: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)  
Production: United Nations Satellite Centre (UNOSAT)

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