



16 Aug. 2022

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT

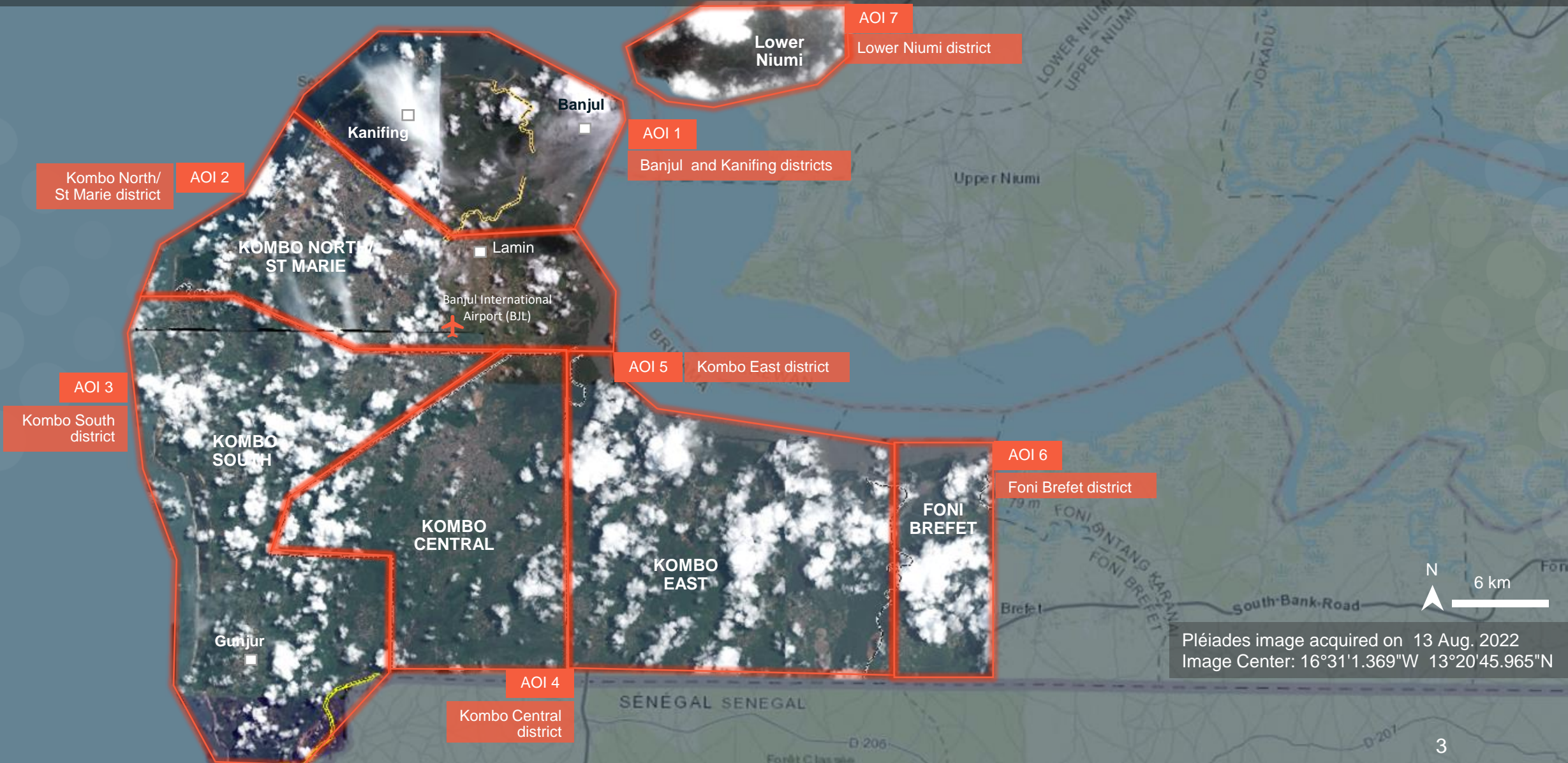


Banjul, Kanifing, Brikama, and Kerewan, Gambia

 Status: Inundated road and affected structures observed

 Further action(s): Continue monitoring

AREAS OF INTEREST



AOI 1-1 BANJUL CITY, BANJUL DISTRICT, BANJUL REGION

Increased water level along the shoreline of the city

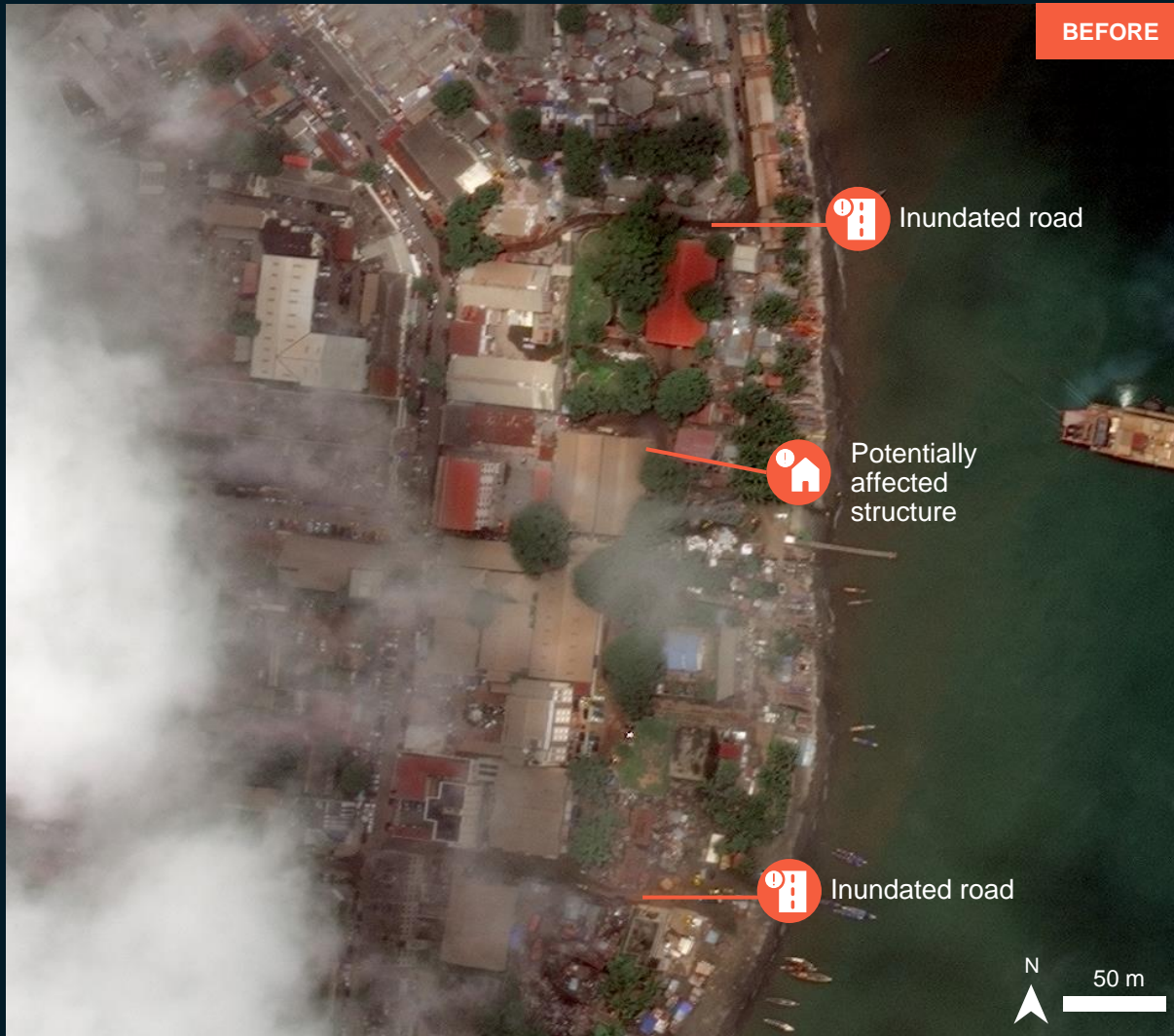


Pléiades image acquired on 15 Aug. 2022
Image Center: 16°34'59"W 13°27'12"N

AOI 1-1 BANJUL CITY, BANJUL DISTRICT, BANJUL REGION

Receded water along inundated roads

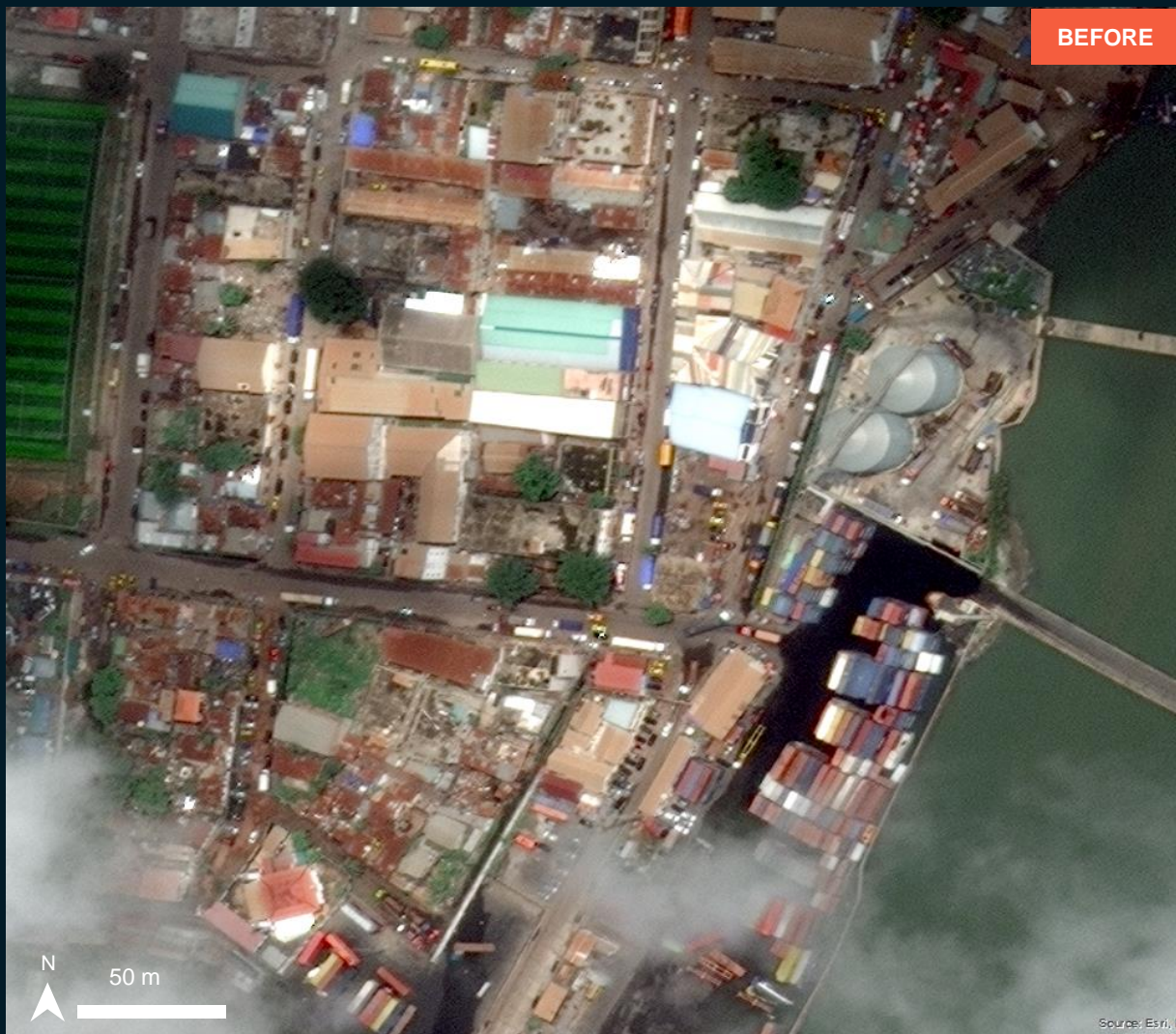
Image center:
16°34'16.705"W
13°27'7.276"N



AOI 1-1 BANJUL CITY, BANJUL DISTRICT, BANJUL REGION

No floods observed

Image center:
16°34'26.013"W
13°26'43.153"N



GeoEye-1/ 29 Jul. 2022



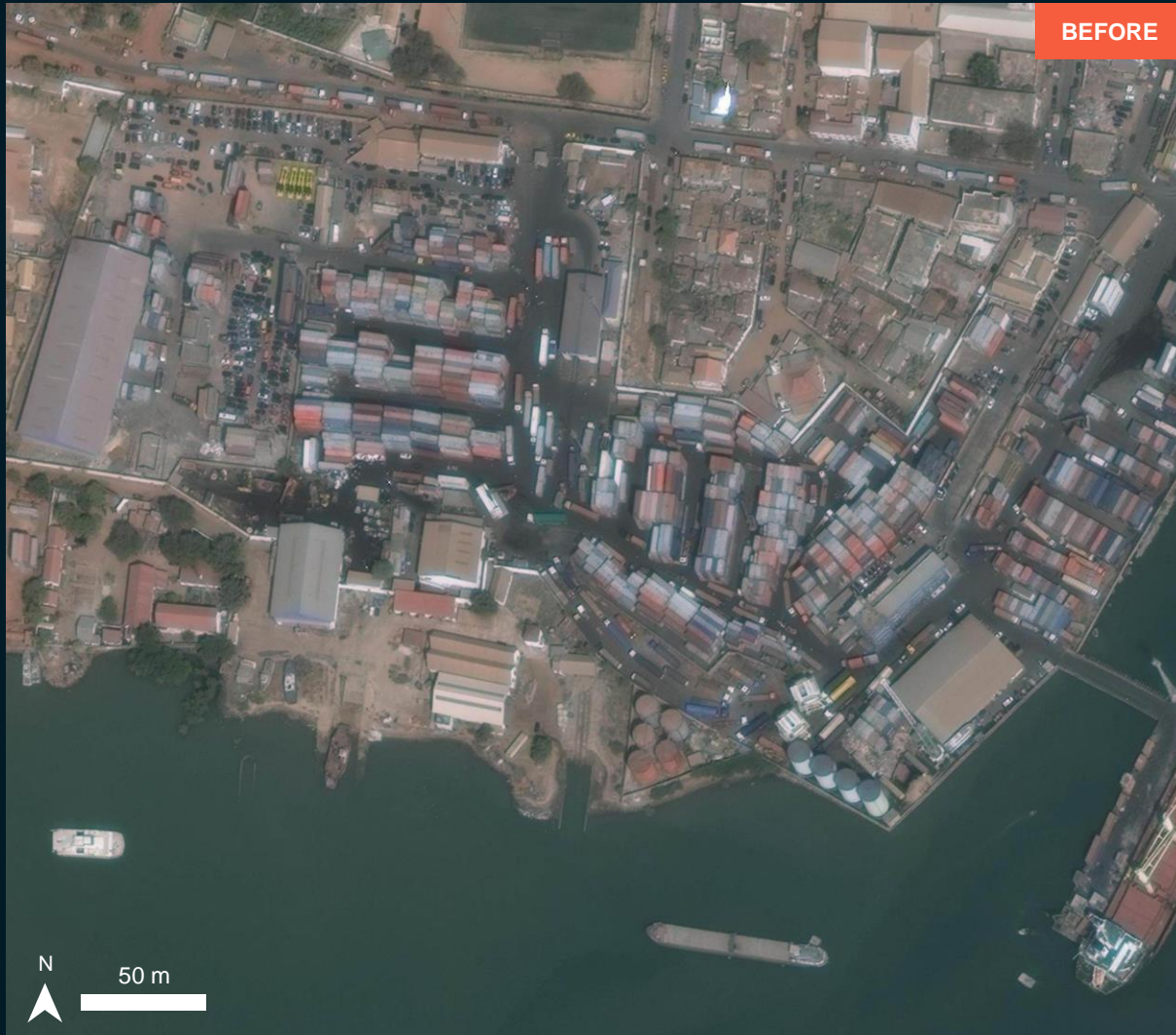
Pléiades / 15 Aug. 2022

AOI 1-1 BANJUL DISTRICT, BANJUL REGION

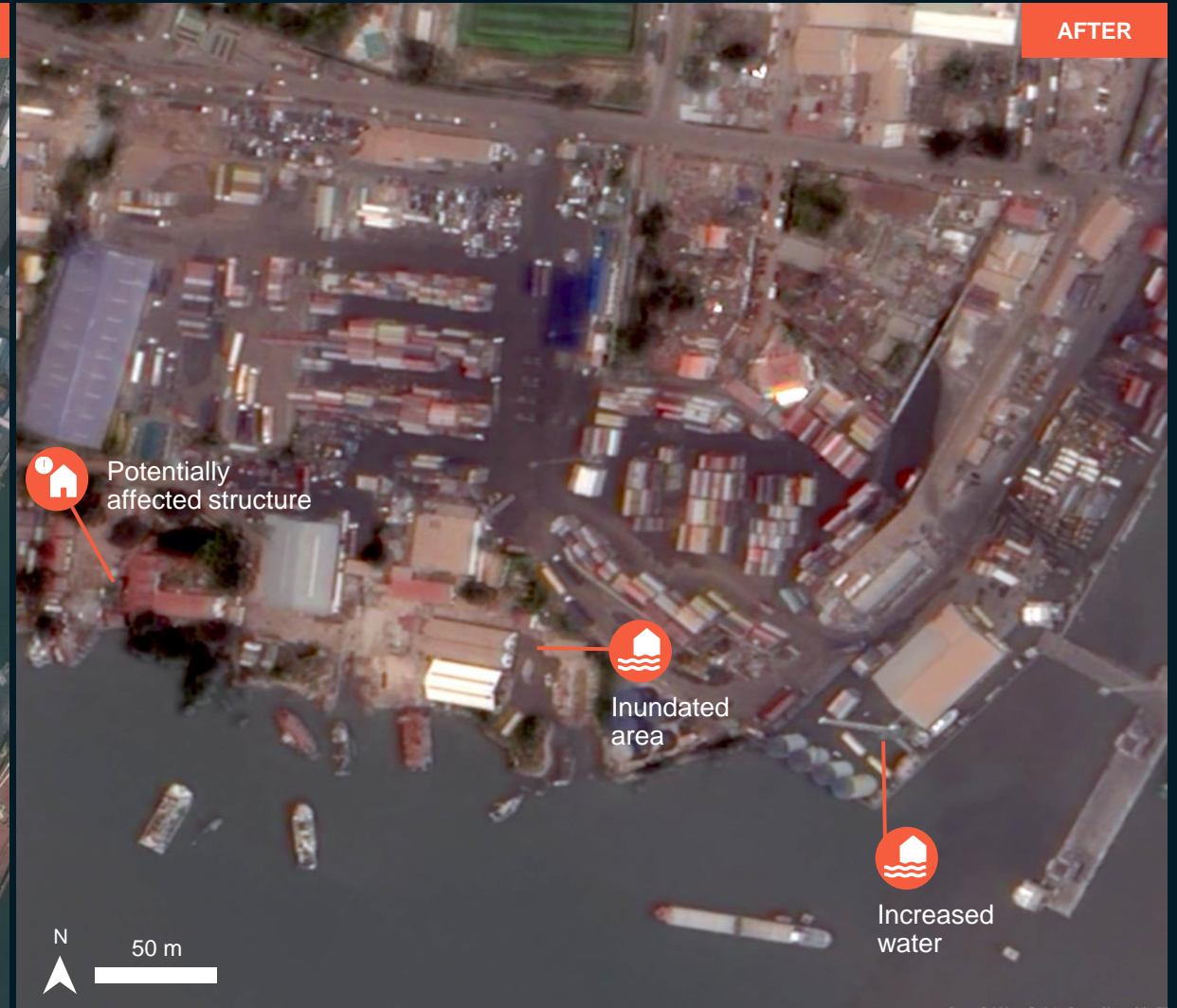
Image center:
16°34'33"W
13°26'37"N



Inundated area and affected structures



ESRI Basemap/WorldView-3/ 14 Jan 2020



Pléiades / 15 Aug. 2022

AOI 1-2 KANAFING DISTRICT, KANAFING REGION

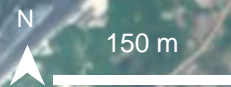
Standing flood water observed



Standing flood water

Standing flood water

Standing flood water



Pléiades image acquired on 13 Aug. 2022
Image Center: 16°42'32.6"W 13°27'23.661"N

AOI 2-1 SUKUTA TOWN, KOMBO NORTH/ST MARIE DISTRICT BRIKAMA REGION

Standing flood water observed

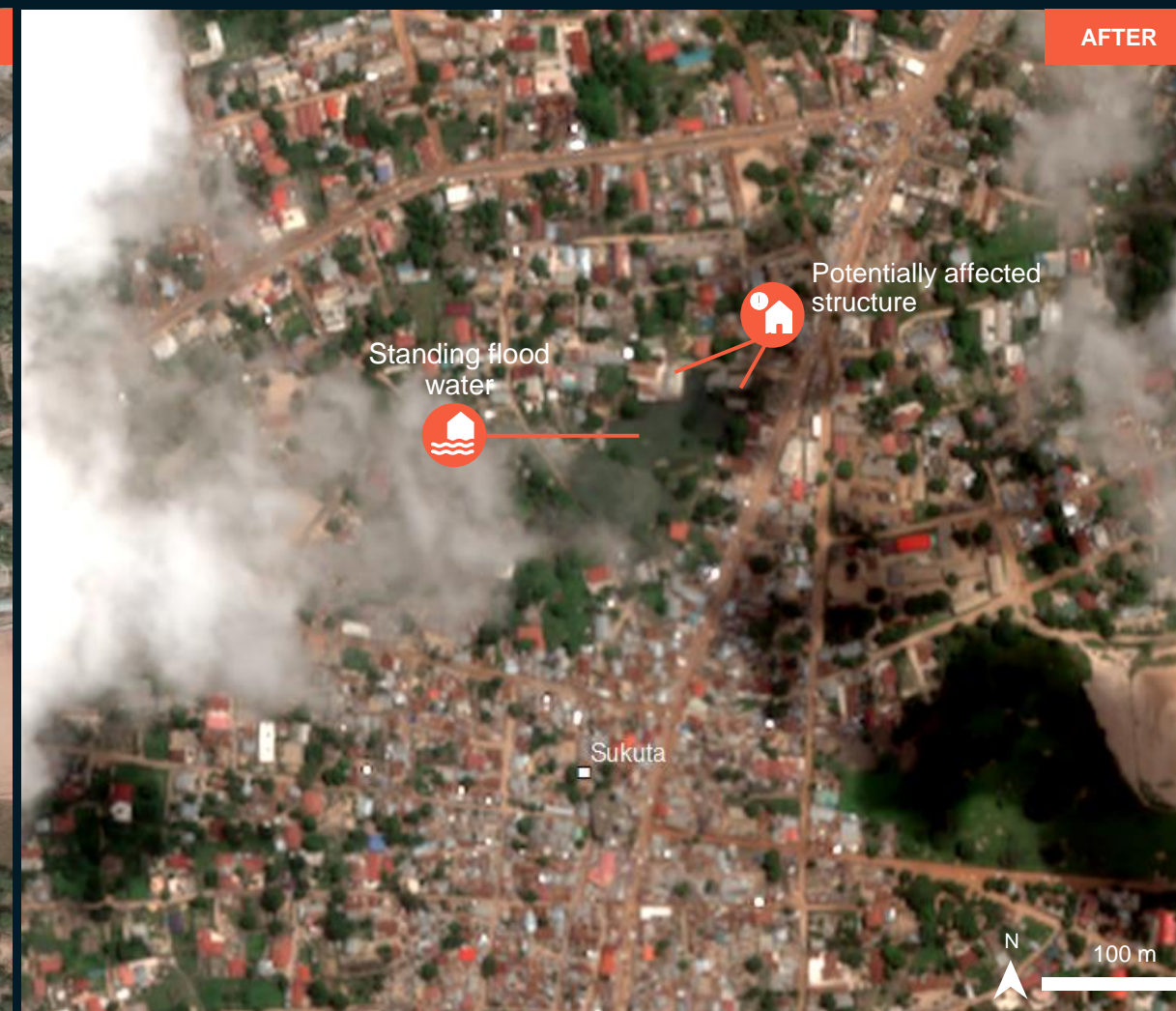
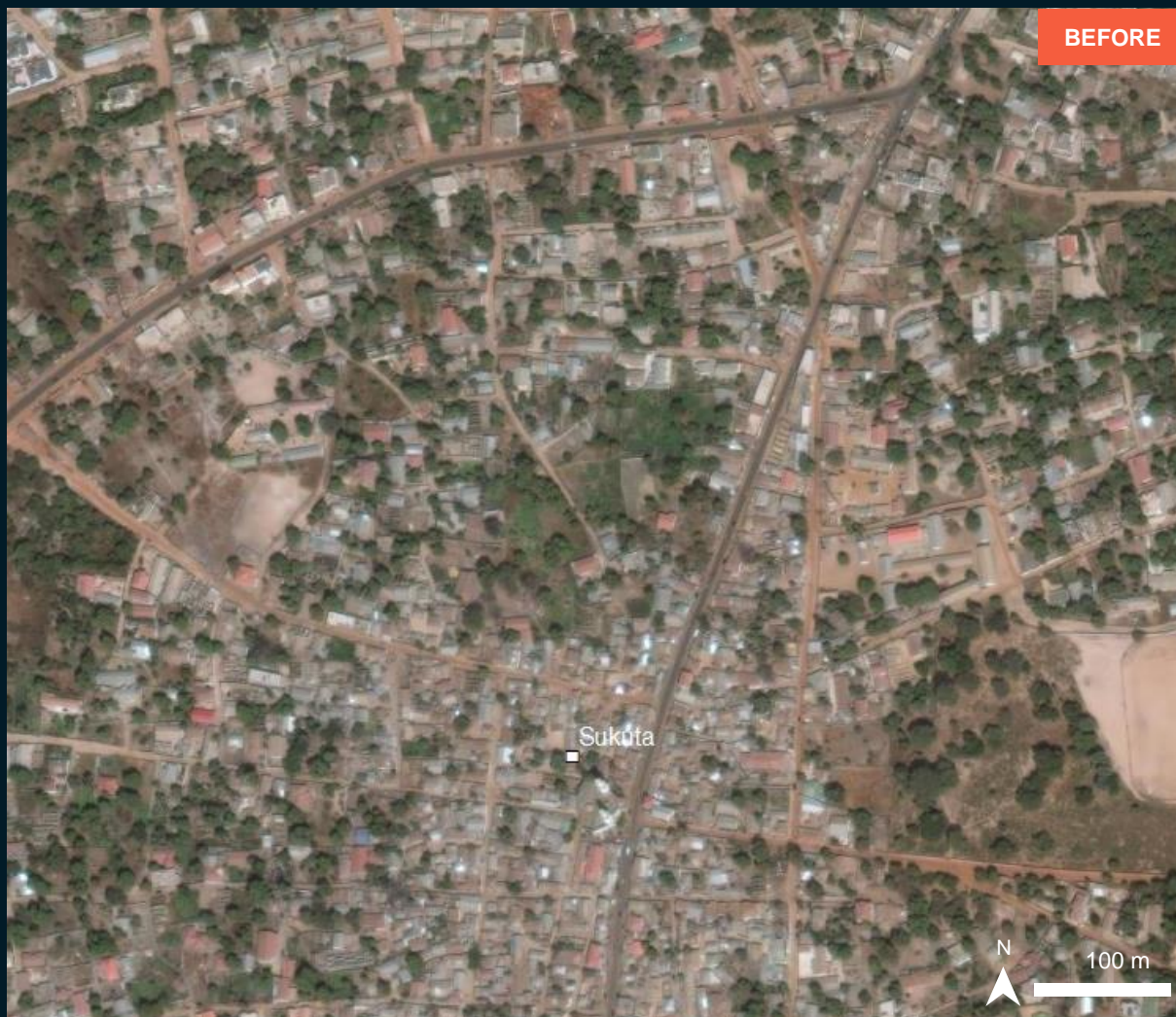
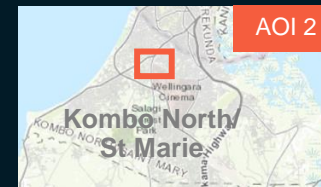


Pléiades image acquired on 13 Aug. 2022
Image Center: 16°42'23.176"W 13°24'55.551"N

AOI 2-1 SUKUTA TOWN, KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION

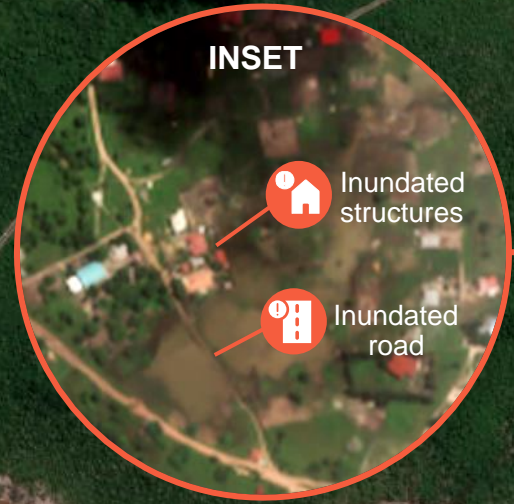
Standing Flood Water

Image center:
16°42'26.984"W
13°24'59.282"N





AOI 2-2 KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION


Inundated road and structures



-  Inundated structures
-  Inundated road

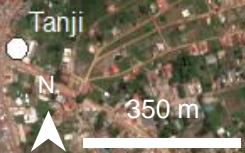
 Standing flood water along the shoreline

 Flood waters

 Potentially affected structure





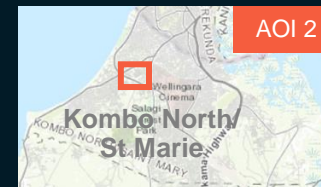


Pléiades image acquired on 13 Aug. 2022
Image Center: 16°46'15.865"W 13°22'3.723"N

AOI 2-2 KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION

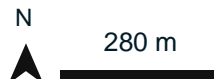
Inundated road and potentially affected structures

Image center:
16°44'48.209"W
13°22'30.587"N



AOI 2-3 KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION

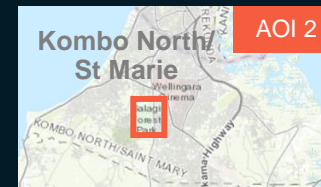
Flood waters and affected structures



AOI 2-3 KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION

Affected structures and affected roads

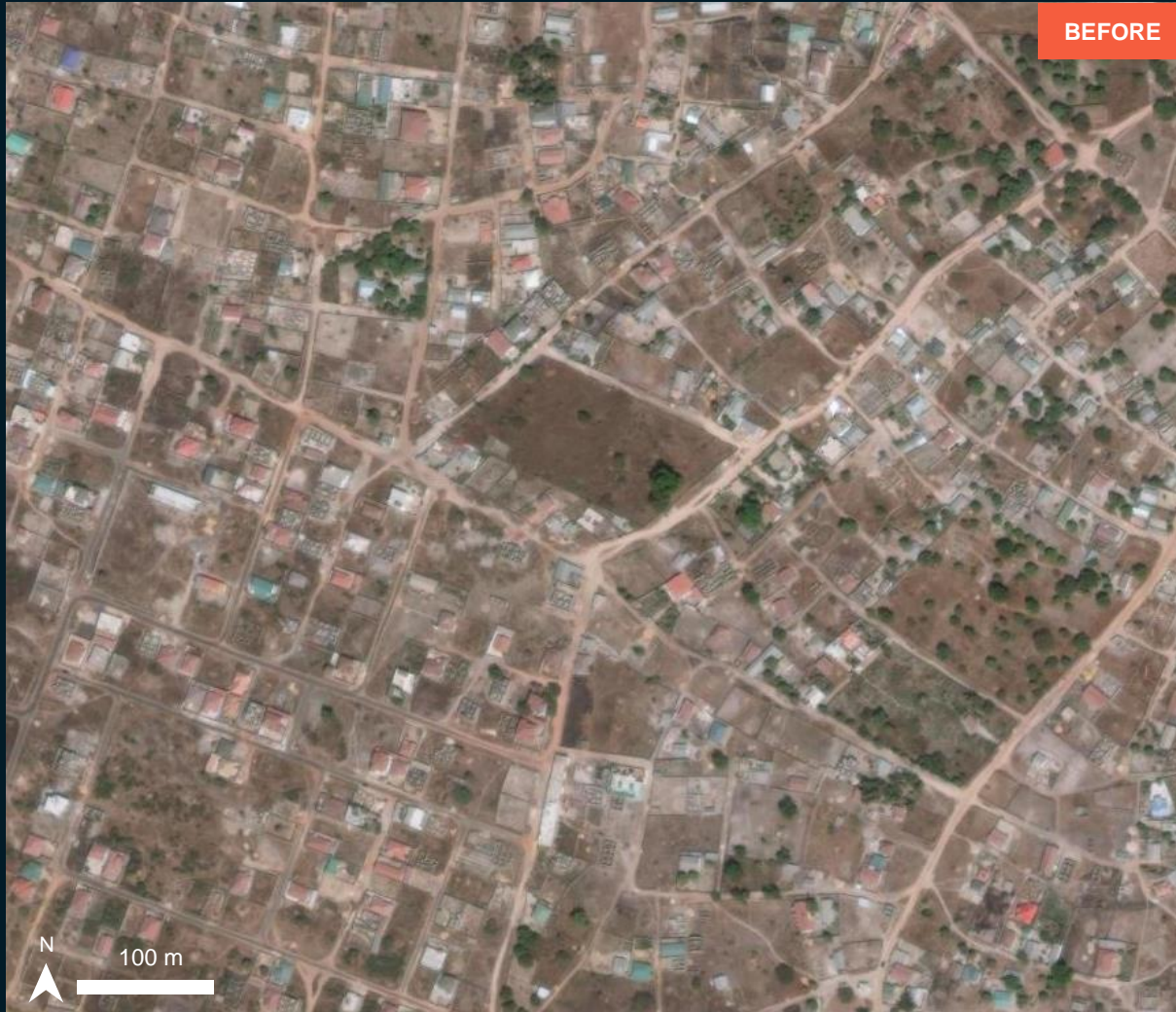
Image center:
16°42'43.744"W
13°21'8.272"N



AOI 2-3 KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION

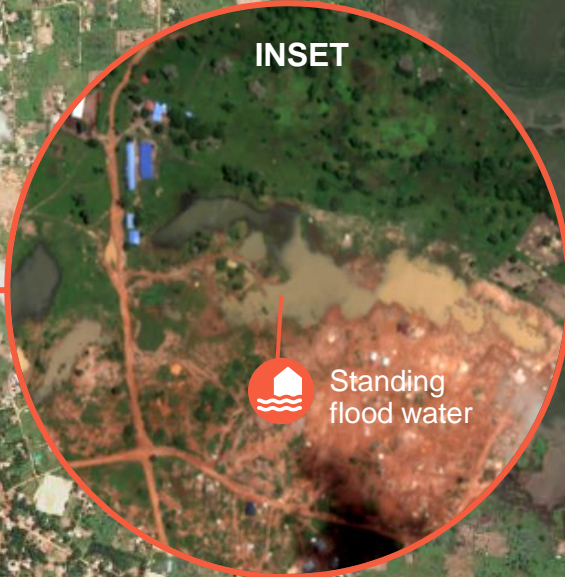
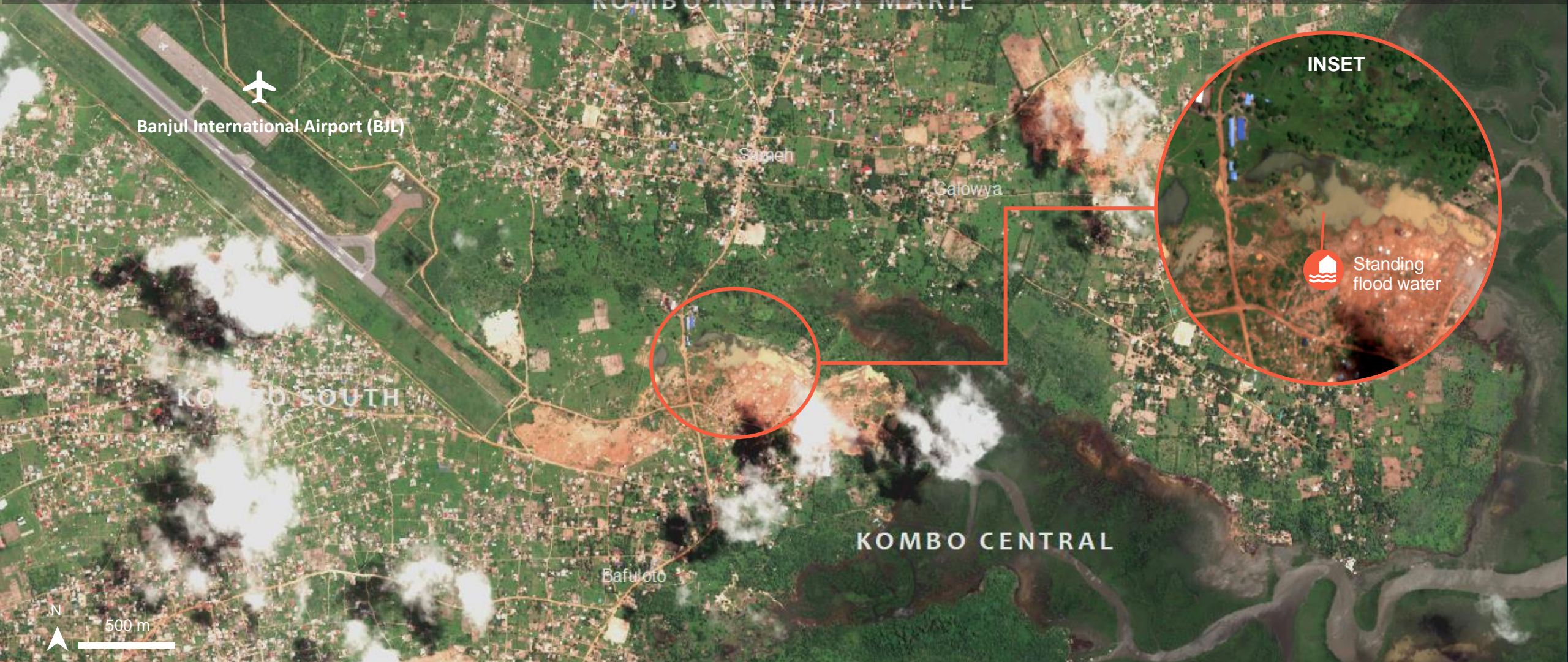
Affected structures and affected roads

Image center:
16°41'53.039"W
13°21'4.86"N



AOI 2-4 BANJUL INTERNATIONAL AIRPORT (BJL) AND SURROUNDING

Standing flood water

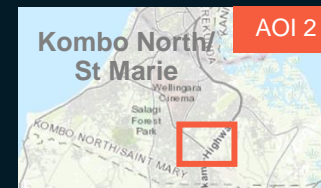


Pléiades image acquired on 13 Aug. 2022
Image Center: 16°37'20.089"W 13°19'41.075"N

AOI 2-4 BANJUL INTERNATIONAL AIRPORT (BJL) AND SURROUNDING

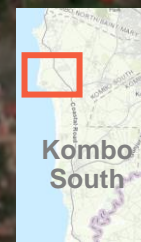
Standing flood water

Image center:
16°37'12.265"W
13°19'53.696"N



AOI 3-1 BARTUKUNKU VILLAGE, KOMBO SOUTH DISTRICT, BRIKAMA REGION

Standing flood water



AOI 3



Standing flood water along the shoreline



Standing flood water along the shoreline



Inundated road



Inundated road



Inundated road

Bartukunku



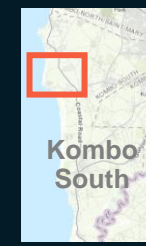
200 m

Pléiades image acquired on 13 Aug. 2022
Image Center: 16°47'51.214"W 13°19'32.407"N

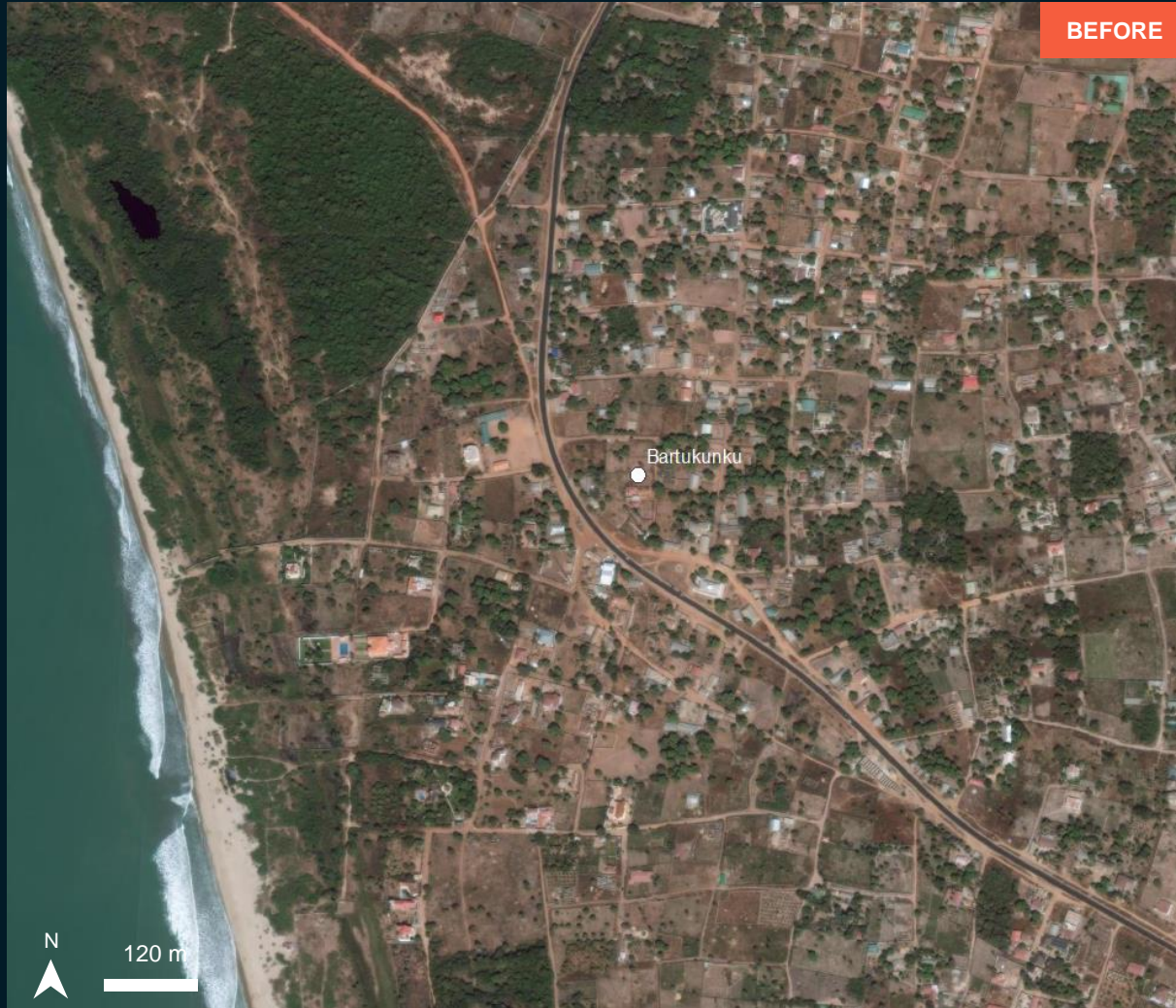
AOI 3-1 BARTUKUNKU VILLAGE, KOMBO SOUTH DISTRICT, BRIKAMA REGION

Inundated roads

Image center:
16°47'57.034"W
13°19'34.742"N



AOI 3



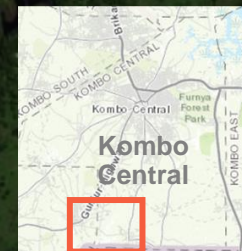
BEFORE



AFTER

AOI 4-1 DARSALAMI VILLAGE, KOMBO CENTRAL DISTRICT, BRIKAMA REGION


Standing flood water & inundated roads



AOI 4



 Standing flood water

 Affected way/road

 Inundated road

Darsalami

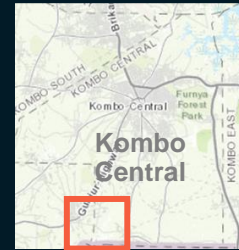


560 m

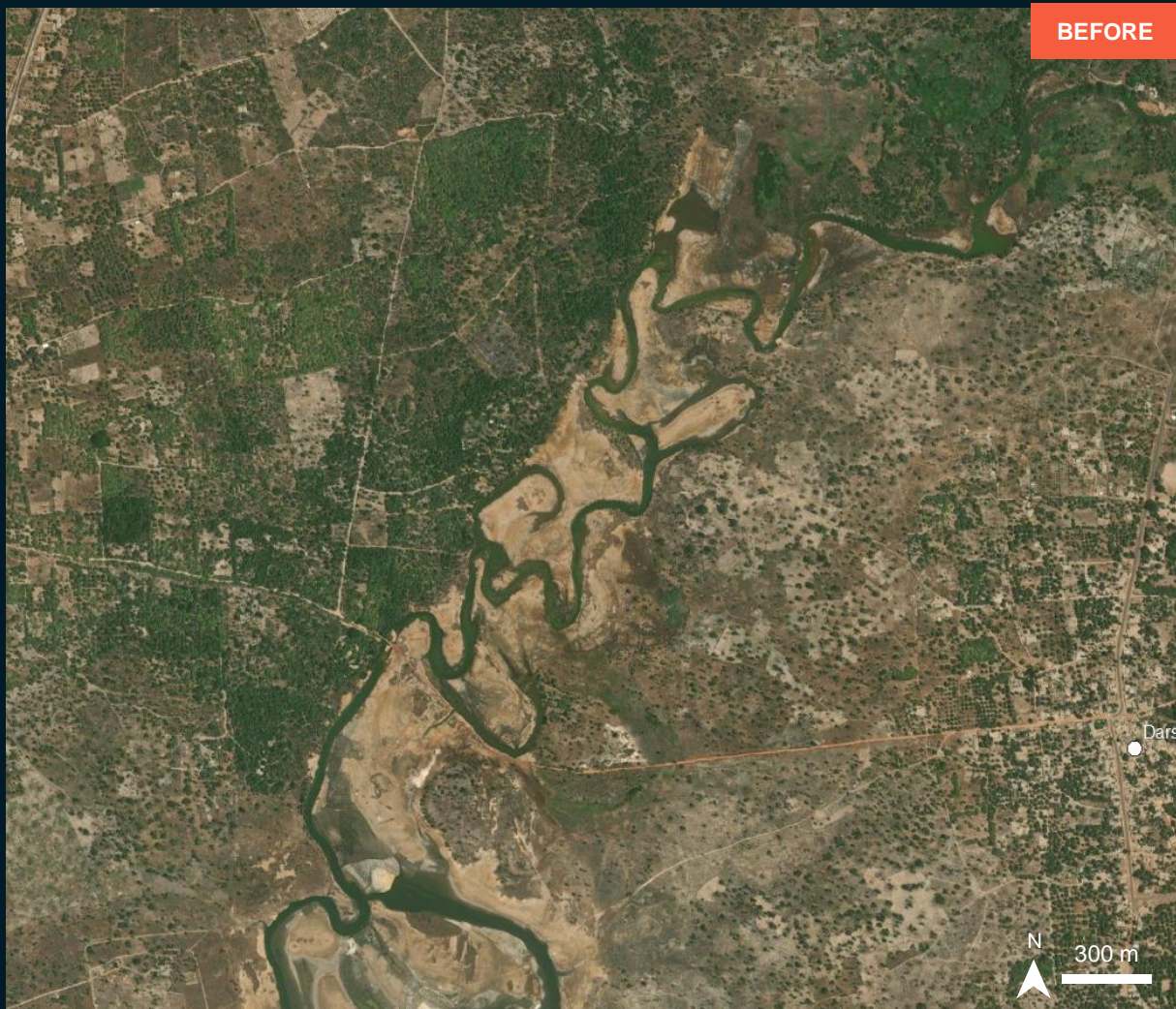
AOI 4-1 DARSALAMI VILLAGE, KOMBO CENTRAL DISTRICT, BRIKAMA REGION

Affected road

Image center:
16°40'13.275"W
13°11'5.294"N

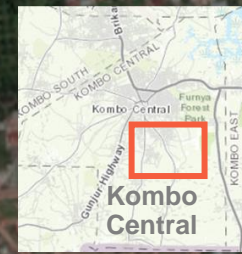


AOI 4

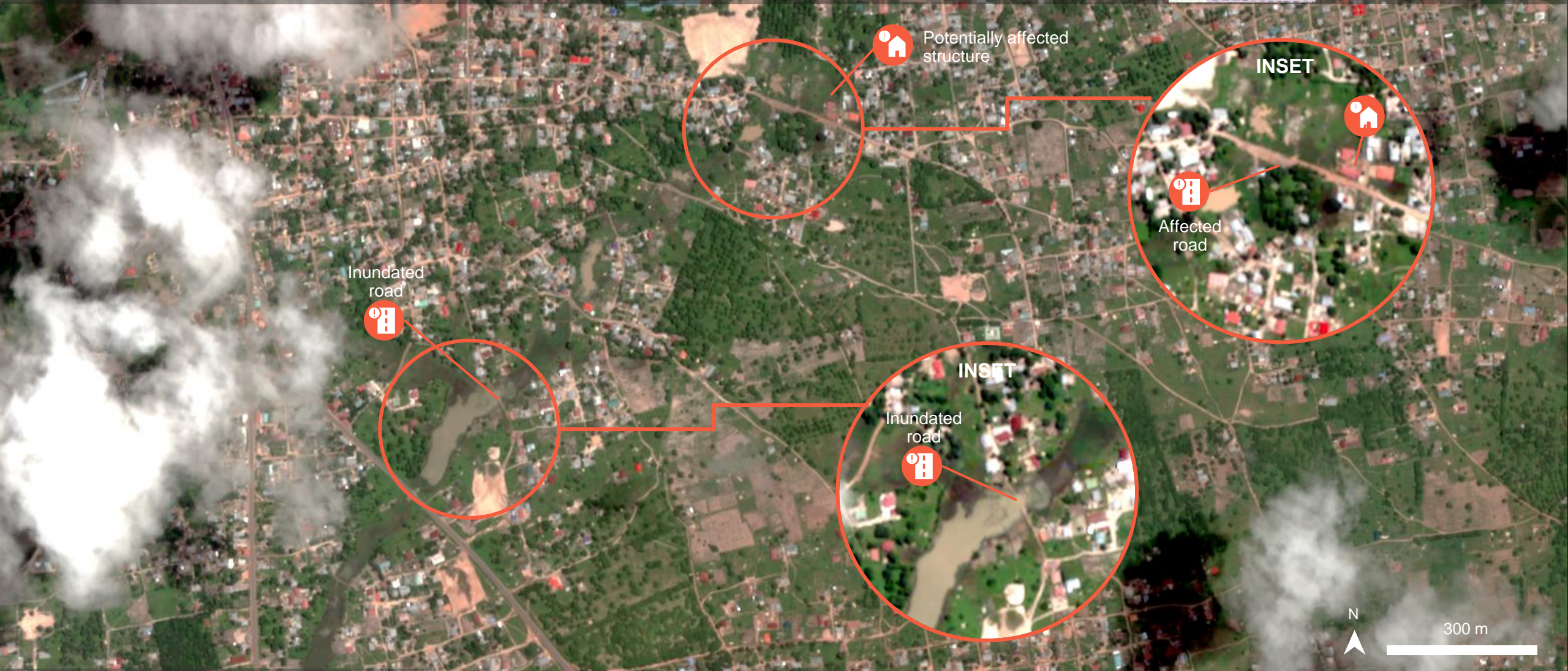


AOI 4-2 BRIKAMA TOWN, KOMBO CENTRAL DISTRICT, BRIKAMA REGION

Inundated roads and affected structures



AOI 4



Inundated road



Potentially affected structure

INSET



Affected road

INSET

Inundated road



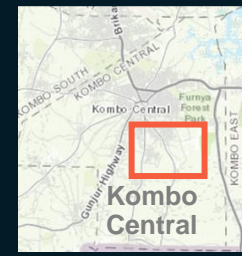
300 m

Pléiades image acquired on 13 Aug. 2022
Image Center: 16°38'9.201"W 13°15'32.505"N

AOI 4-2 BRIKAMA TOWN, KOMBO CENTRAL DISTRICT, BRIKAMA REGION

Affected road and affected structure

Image center:
16°38'20.457"W
13°15'39.013"N



AOI 4



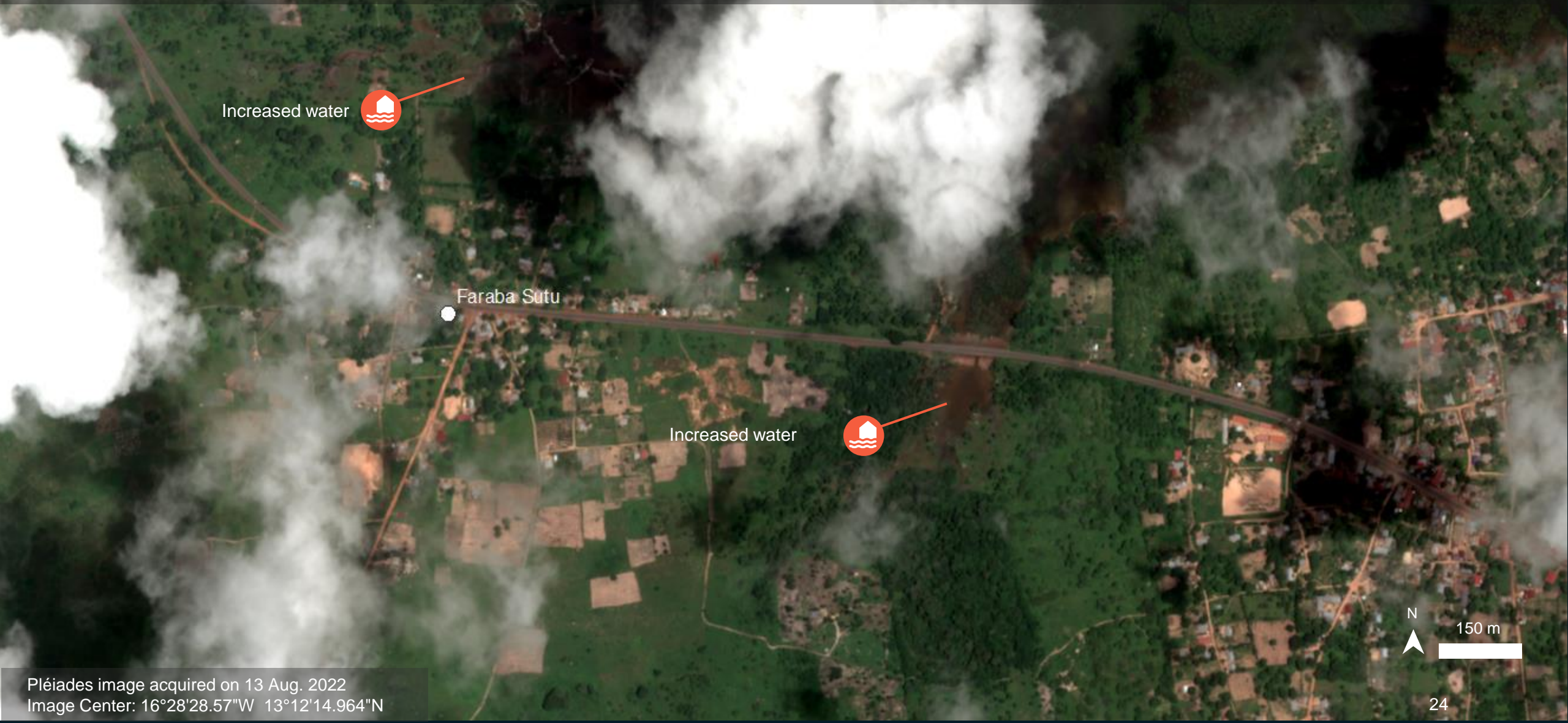
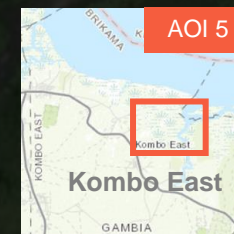
BEFORE



AFTER

AOI 5-1 FARABA SUTU VILLAGE, KOMBO EAST DISTRICT, BRIKAMA REGION

Increased water observed



Increased water



Faraba Sutu

Increased water

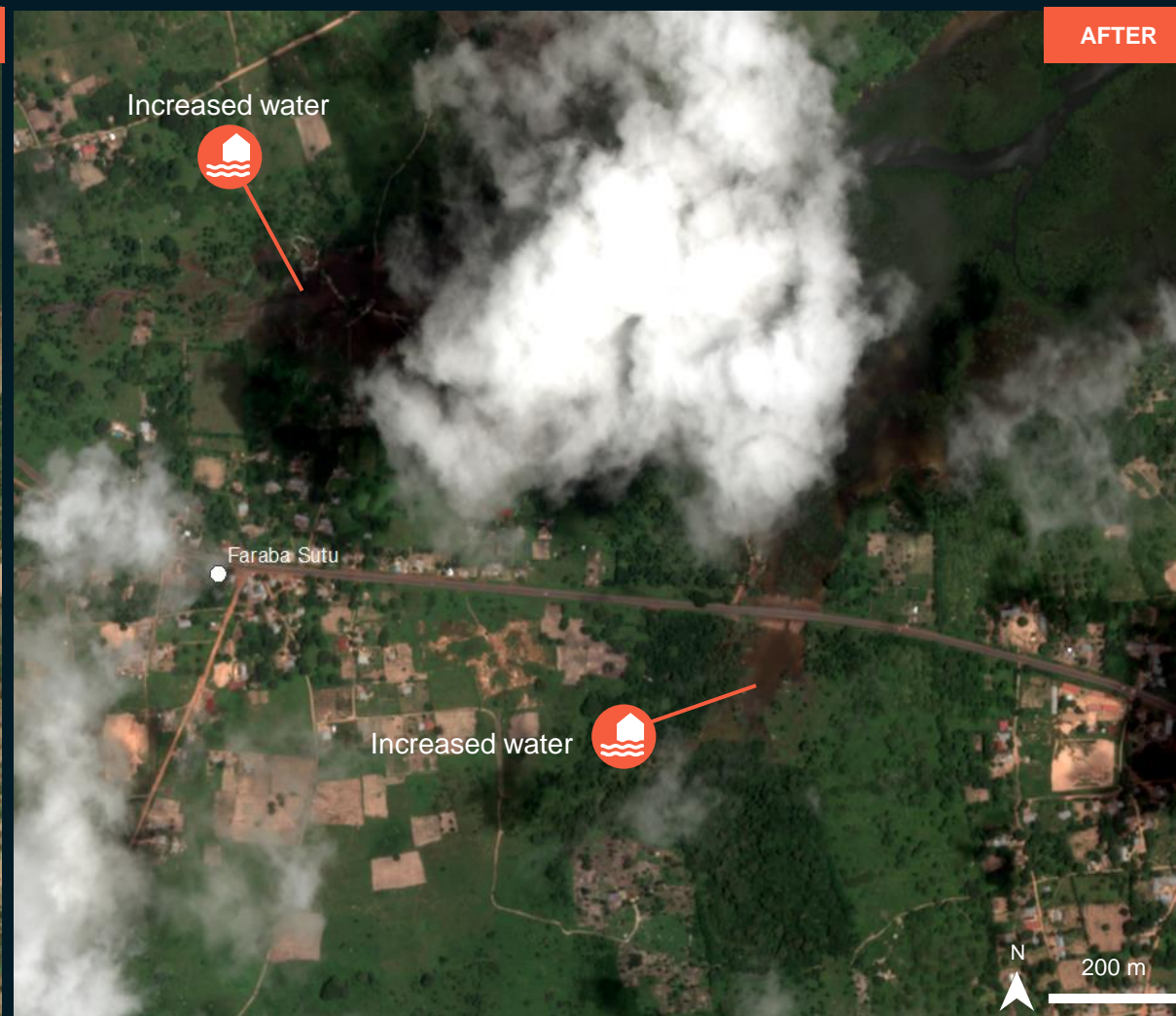
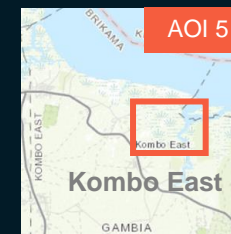


150 m

AOI 5-1 FARABA SUTU VILLAGE, KOMBO EAST DISTRICT, BRIKAMA REGION

Increased water

Image center:
16°28'34.205"W
13°12'16.792"N

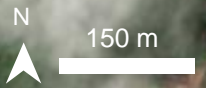
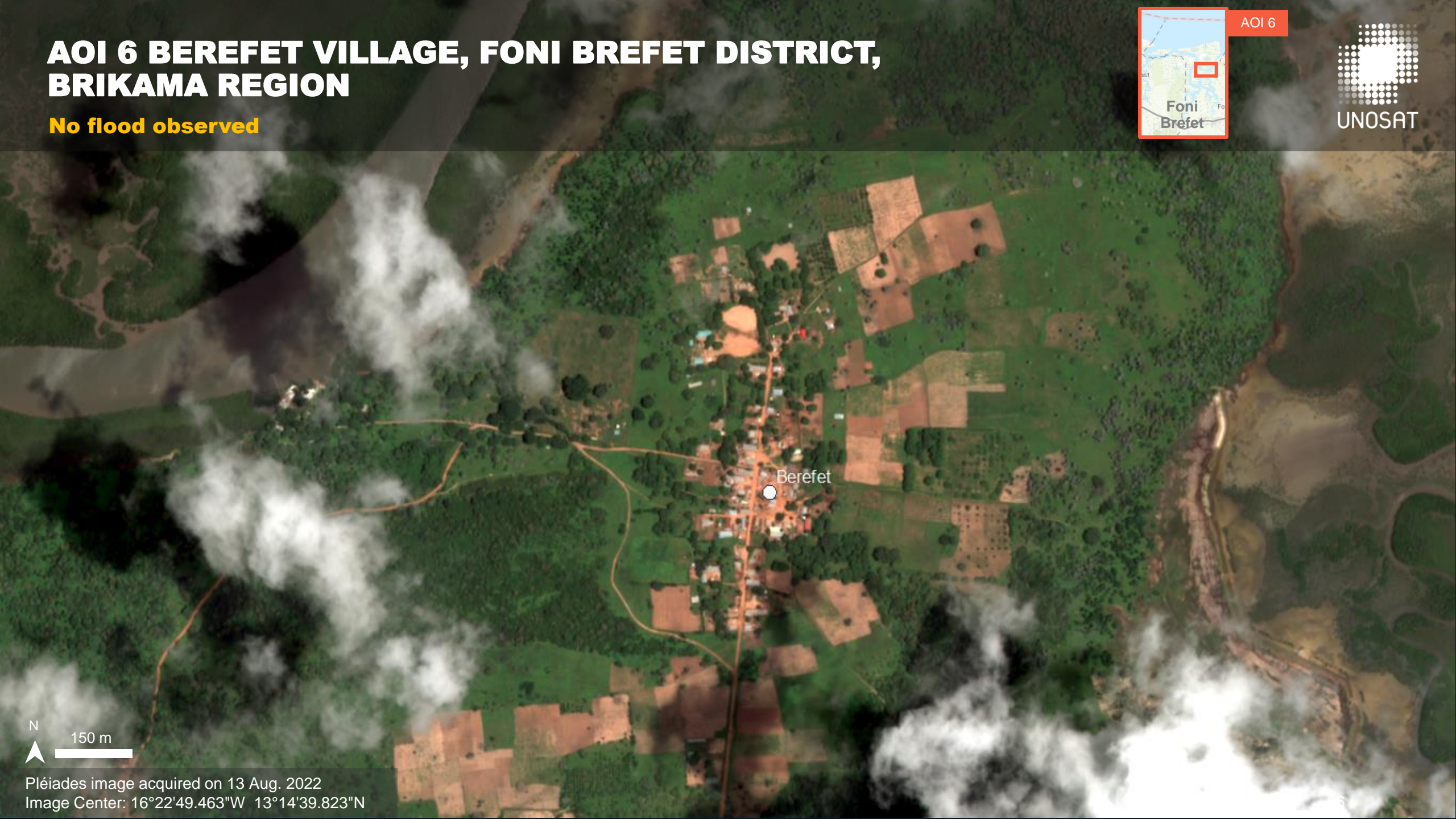


AOI 6 BEREFET VILLAGE, FONI BREFET DISTRICT, BRIKAMA REGION

No flood observed



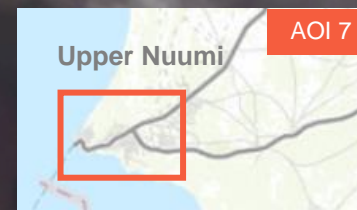
AOI 6



Pléiades image acquired on 13 Aug. 2022
Image Center: 16°22'49.463"W 13°14'39.823"N

AOI 7- ESSAU VILLAGE, LOWER NIUMI DISTRICT, KEREWAN REGION

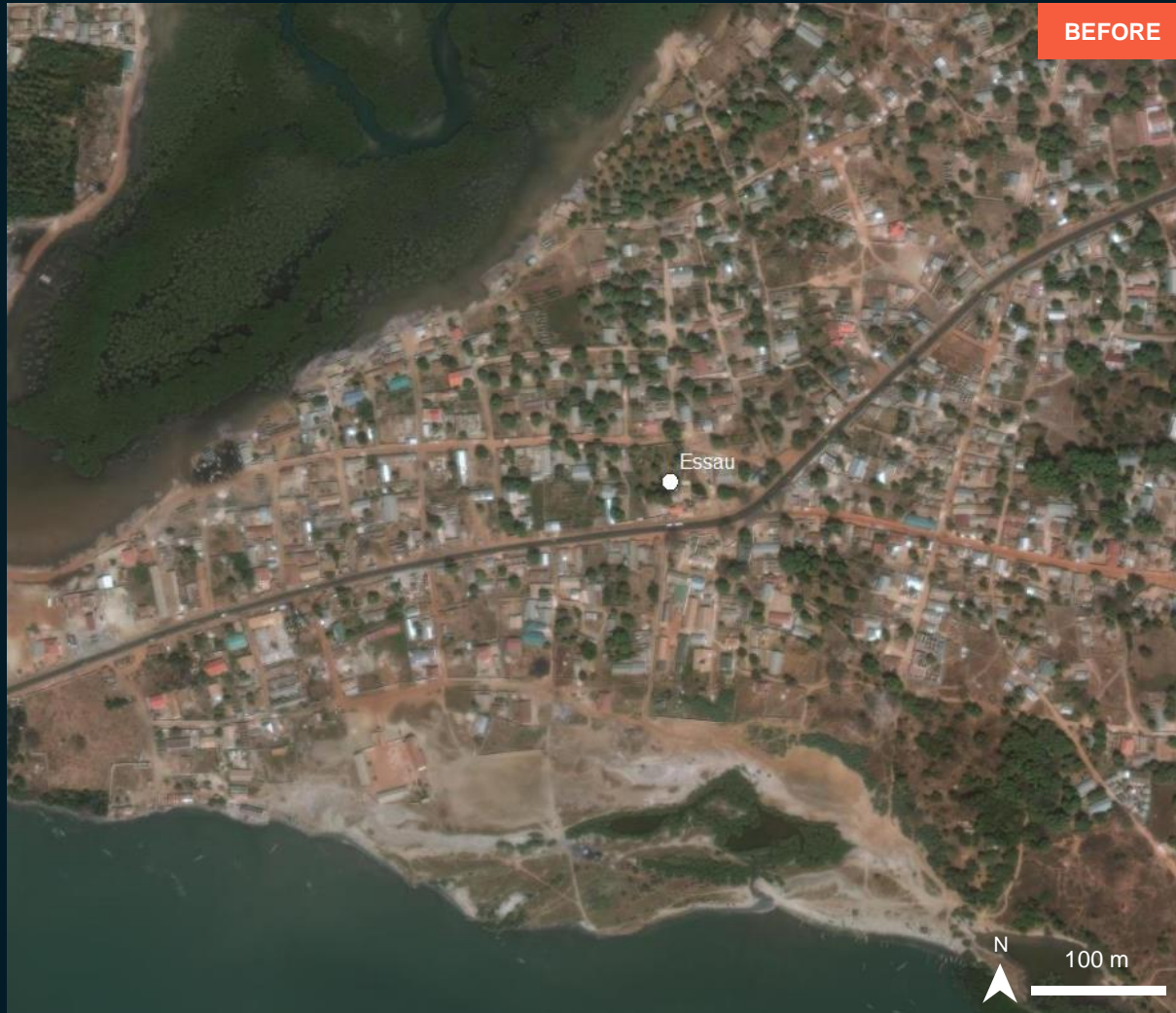
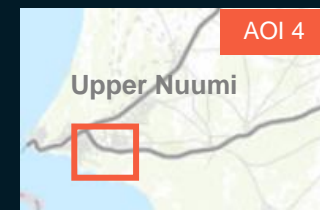
Affected structures



AOI 7- ESSAU VILLAGE, LOWER NIUMI DISTRICT, KEREWAN REGION

Potentially affected structures

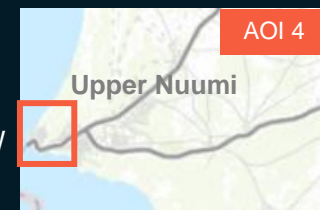
Image center:
16°32'9.358"W
13°29'1.767"N



AOI 7- ESSAU VILLAGE, LOWER NIUMI DISTRICT, KEREWAN REGION

Inundated road and affected structures

Image center:
16°32'44.001"W
13°29'12.058"N



ESRI Basemap/WorldView-3/ 14 Jan 2020



Pléiades / 11 Aug. 2022

SUMMARY OF FINDINGS

Banjul and Kanafing districts

- Receded flood water along inundated roads and potentially affected buildings observed in Banjul City as of 14 Aug 2022;
- Increased water along the shoreline observed in Banjul City, Banjul District as of 15 Aug 2022;
- Standing flood water observed in Kanifing District as of 13 Aug 2022;

Kombo North and Saint Marie districts

- Standing flood water and potentially affected structures observed in Sukuta Town as of 13 Aug 2022;
- Standing flood water, affected structures and inundated roads observed as of 13 Aug 2022;
- Standing flood water in the vicinity of Banjul International Airport observed as of 13 Aug 2022;

Kombo South district

- Standing flood water and inundated roads in the vicinity of Bartukunku Village observed as of 13 Aug 2022;

Kombo Central district

- Standing flood waters and inundated roads observed in Darsalami Village as of 13 Aug 2022;
- Inundated roads and affected structures observed in Brikama Town as of 13 Aug 2022;

Kombo East district

- Increased water extent observed in Faraba Sutu Village as of 13 Aug 2022;

Foni Brefet district

- No floods observed in Berefet Village as of 13 Aug 2022;
- Inundated roads and affected structures observed in Essau Village as of 13 Aug 2022.

COPYRIGHTS AND SOURCES

Data sources:

(1) Satellite Image (Post-event)

Satellite : Pléiades image
Imagery Date : 11,13, and 15 Aug. 2022 about 11:00 UTC
Resolution : 50 cm
Copyright: © CNES (2021), distribution by Airbus DS
Source: Airbus DS

(2) Satellite Image (Pre-event)

ESRI based map

(3) Ancillary data

Populate place: OpenStreetMap
Administrative boundaries: WFP

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

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