8 Jun. 2022

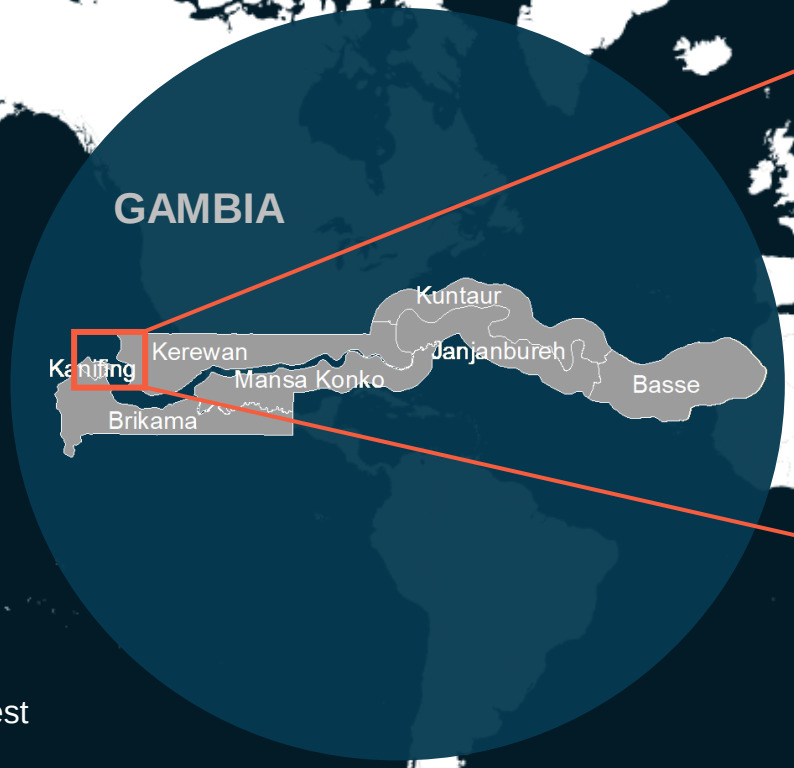
PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT

Banjul, Kanifing, Kombo North/St Marie, Lower Niumi districts, Gambia

Status: Inundated road and affected structures observed

Further action(s): Continue monitoring

GAMBIA

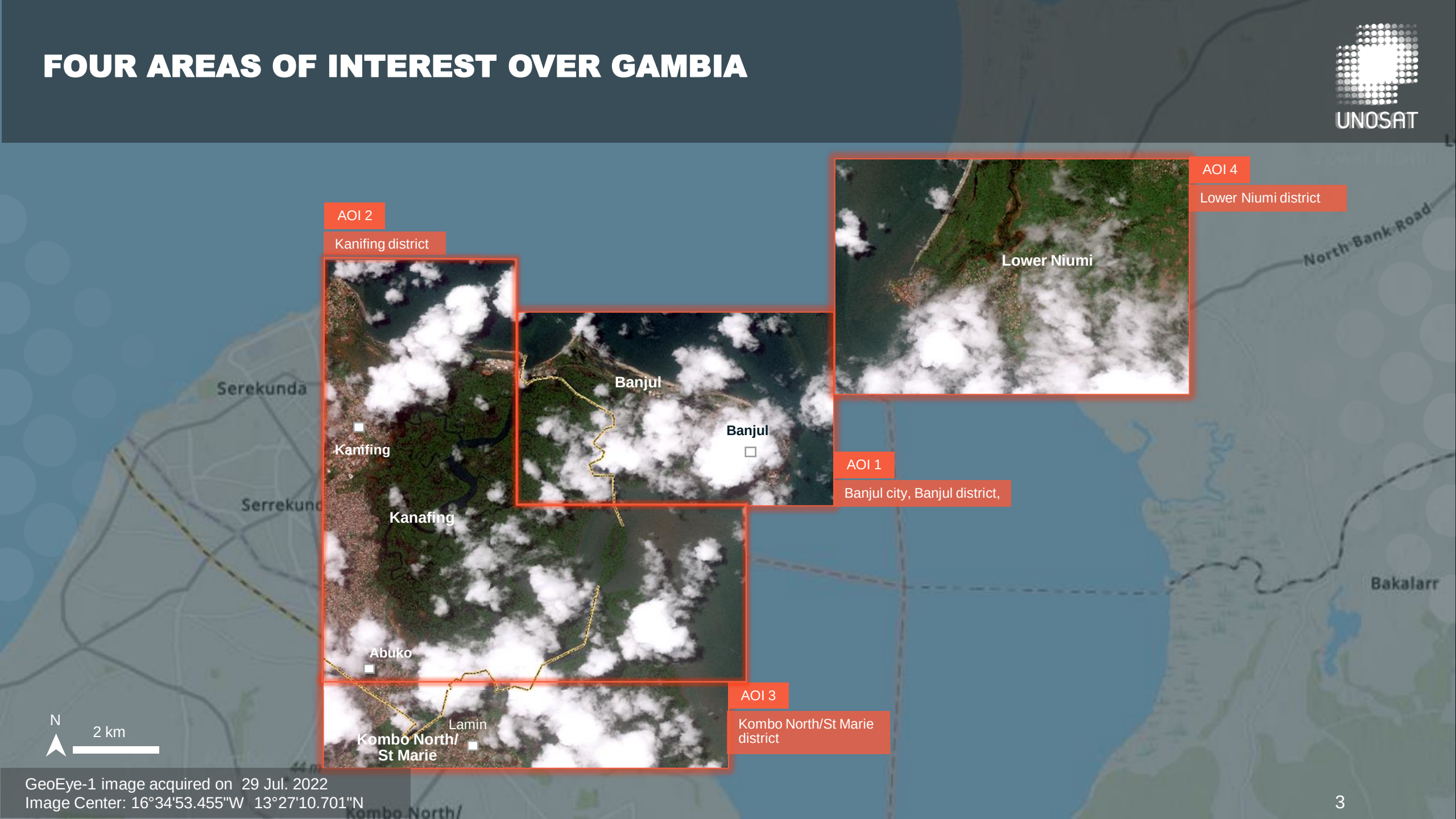




Area of interest

Region boundary

FOUR AREAS OF INTEREST OVER GAMBIA



GeoEye-1 image acquired on 29 Jul. 2022
Image Center: 16°34'53.455"W 13°27'10.701"N

AOI 1-BANJUL CITY, BANJUL DISTRICT, BANJUL REGION

Inundated roads and potentially affected building



UNOSAT

INSET

Inundated road

Potentially affected building

INSET

Inundated road

Banjul

N

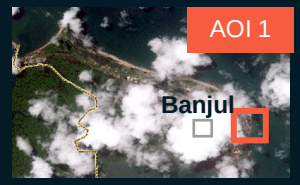
500 m

Pléiades image acquired on 29 Jul. 2022
Image Center: 16°35'38.812"W 13°27'42.911"N

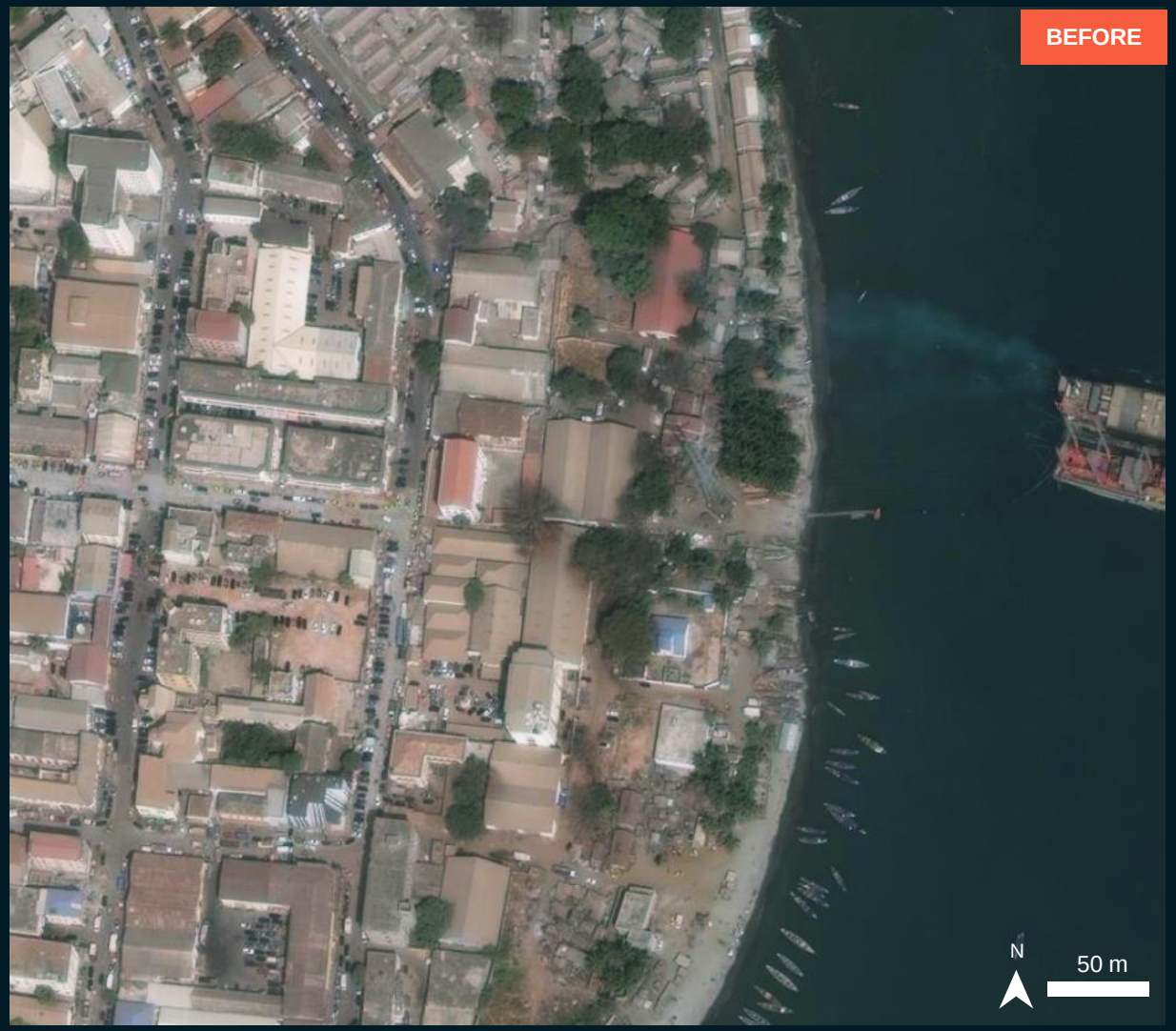
AOI 1-1 BANJUL CITY, BANJUL DISTRICT, BANJUL REGION

Inundated road and potentially affected structures

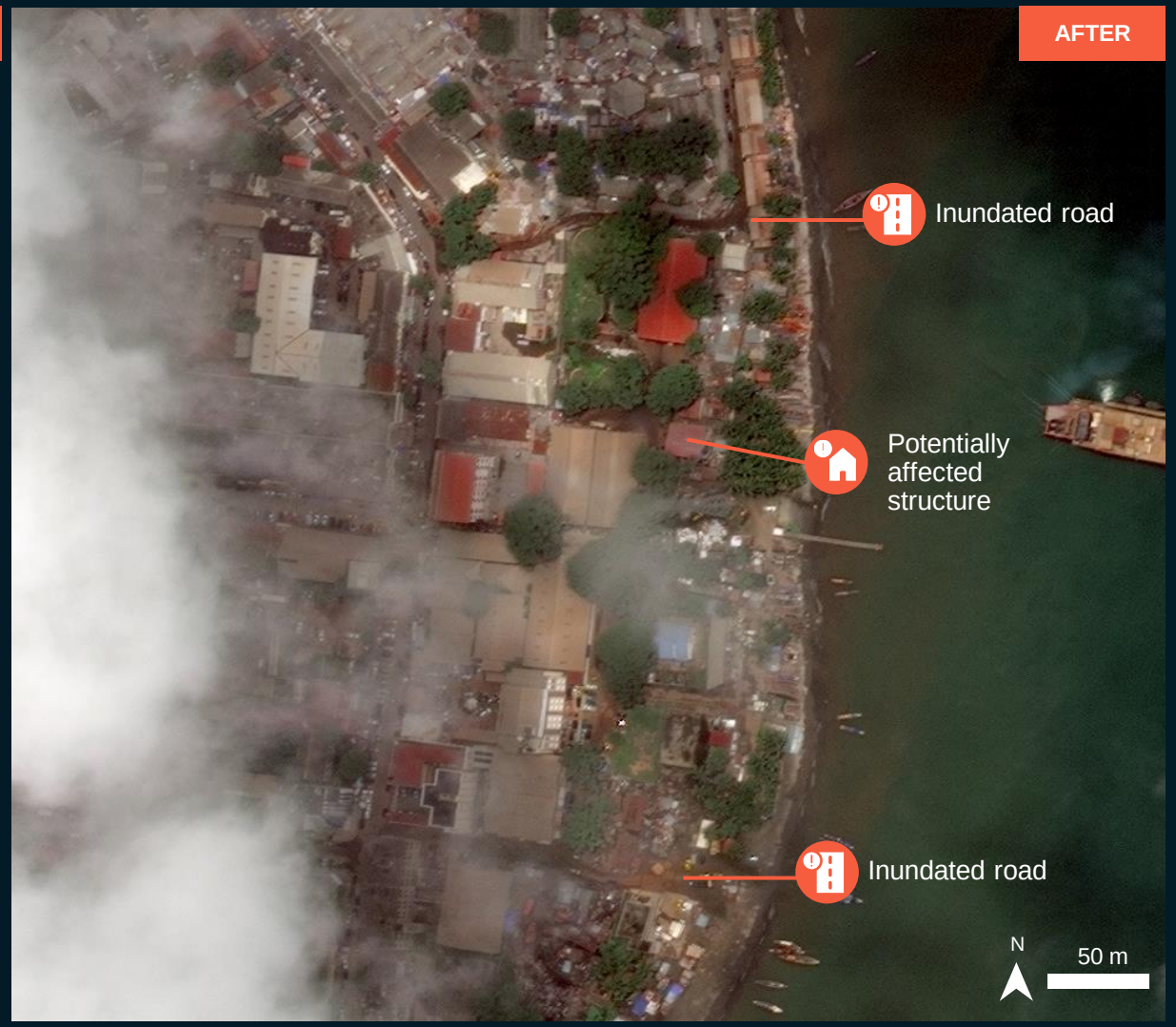
Image center:
16°34'16.705"W
13°27'7.276"N



UNOSAT



ESRI Basemap/WorldView-3/ 14 Jan 2020

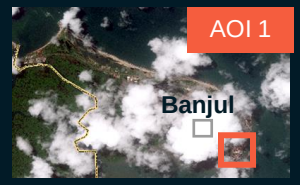


GeoEye-1/ 29 Jul. 2022

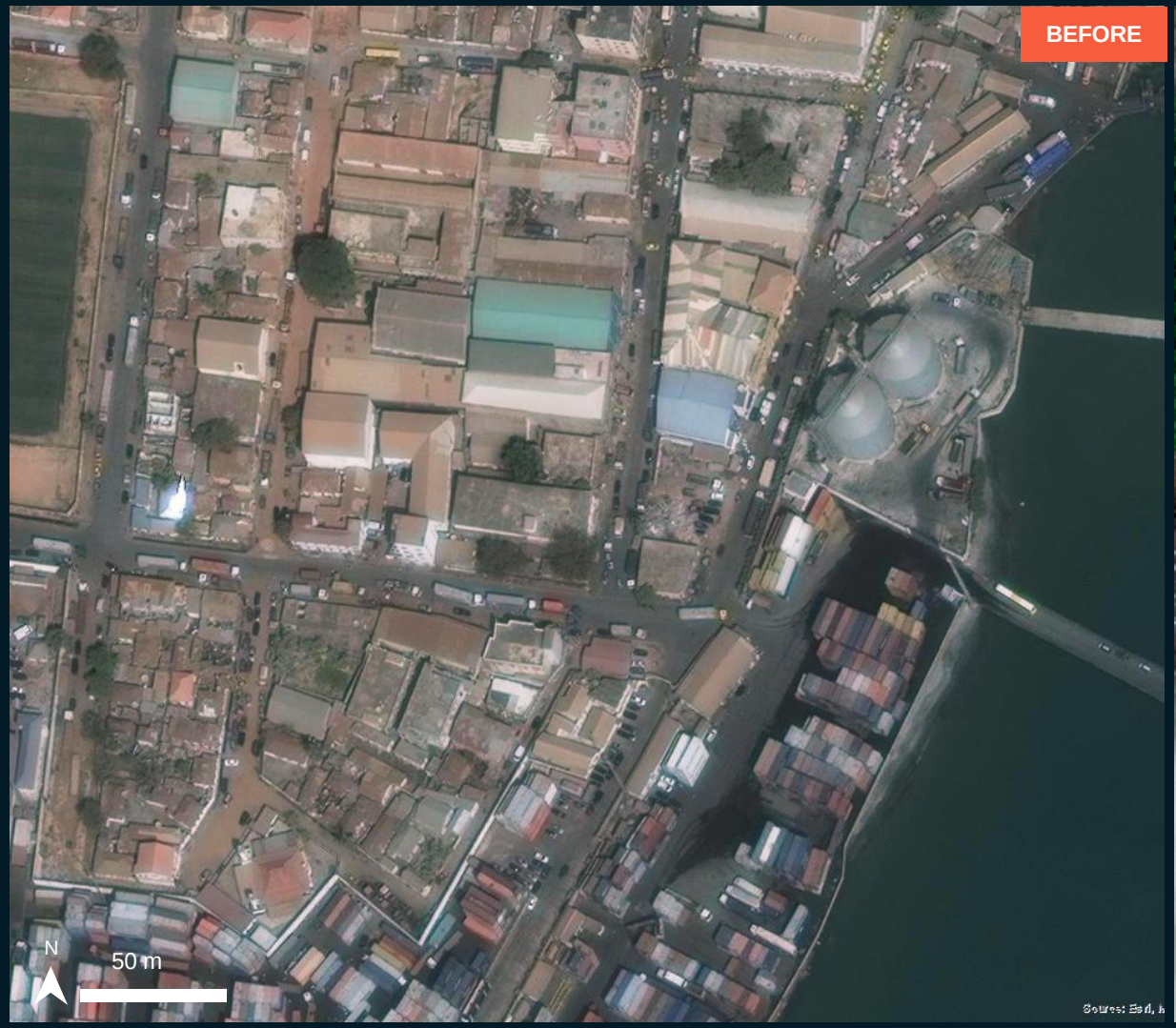
AOI 1-2 BANJUL CITY, BANJUL DISTRICT, BANJUL REGION

No floods observed

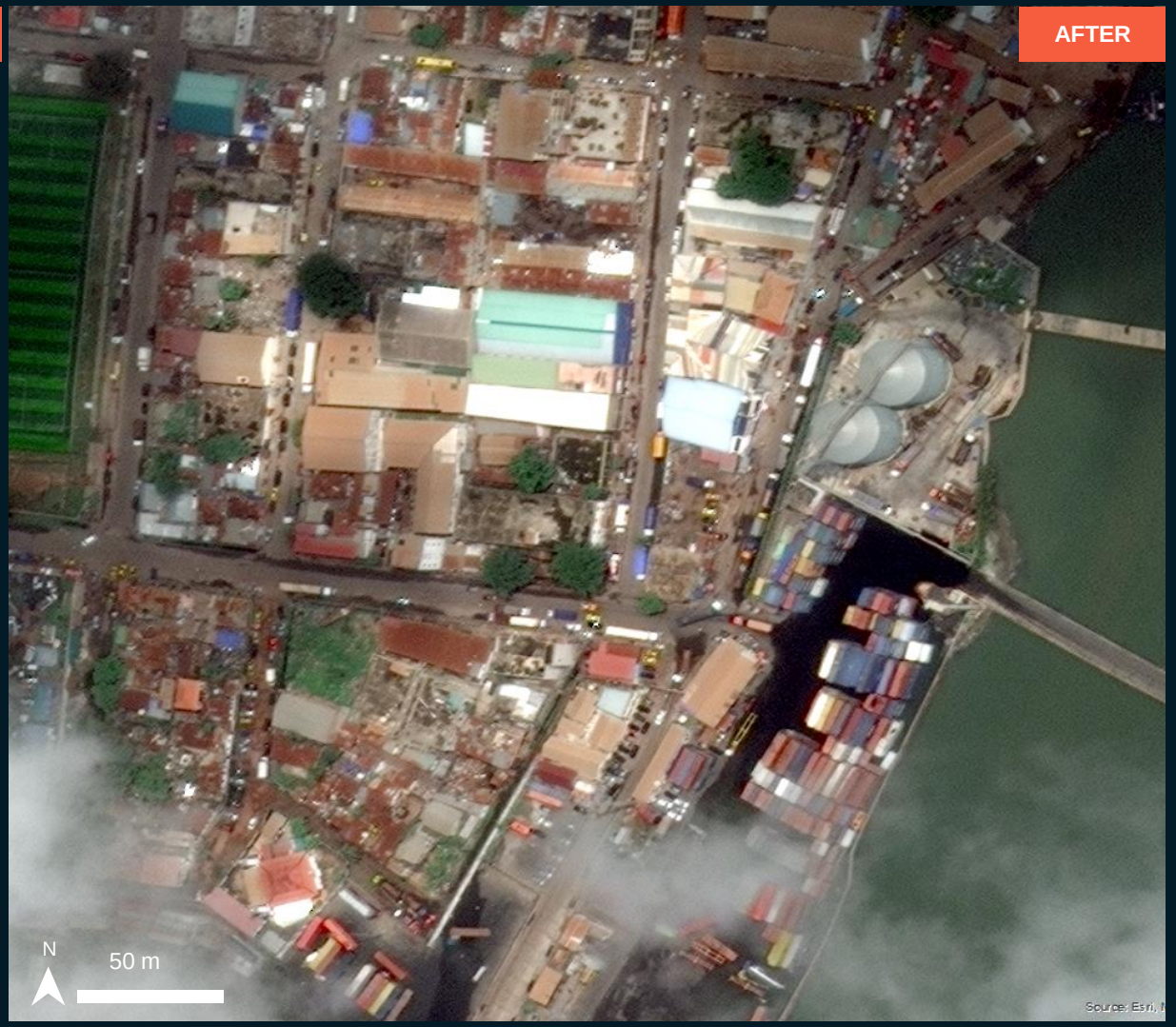
Image center:
16°34'26.013"W
13°26'43.153"N



UNOSAT



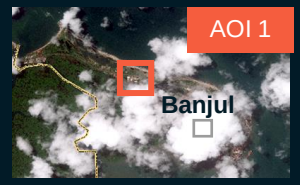
ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

AOI 1-3 BANJUL DISTRICT, BANJUL REGION

Image center:
16°35'57.596"W
13°27'46.282"N

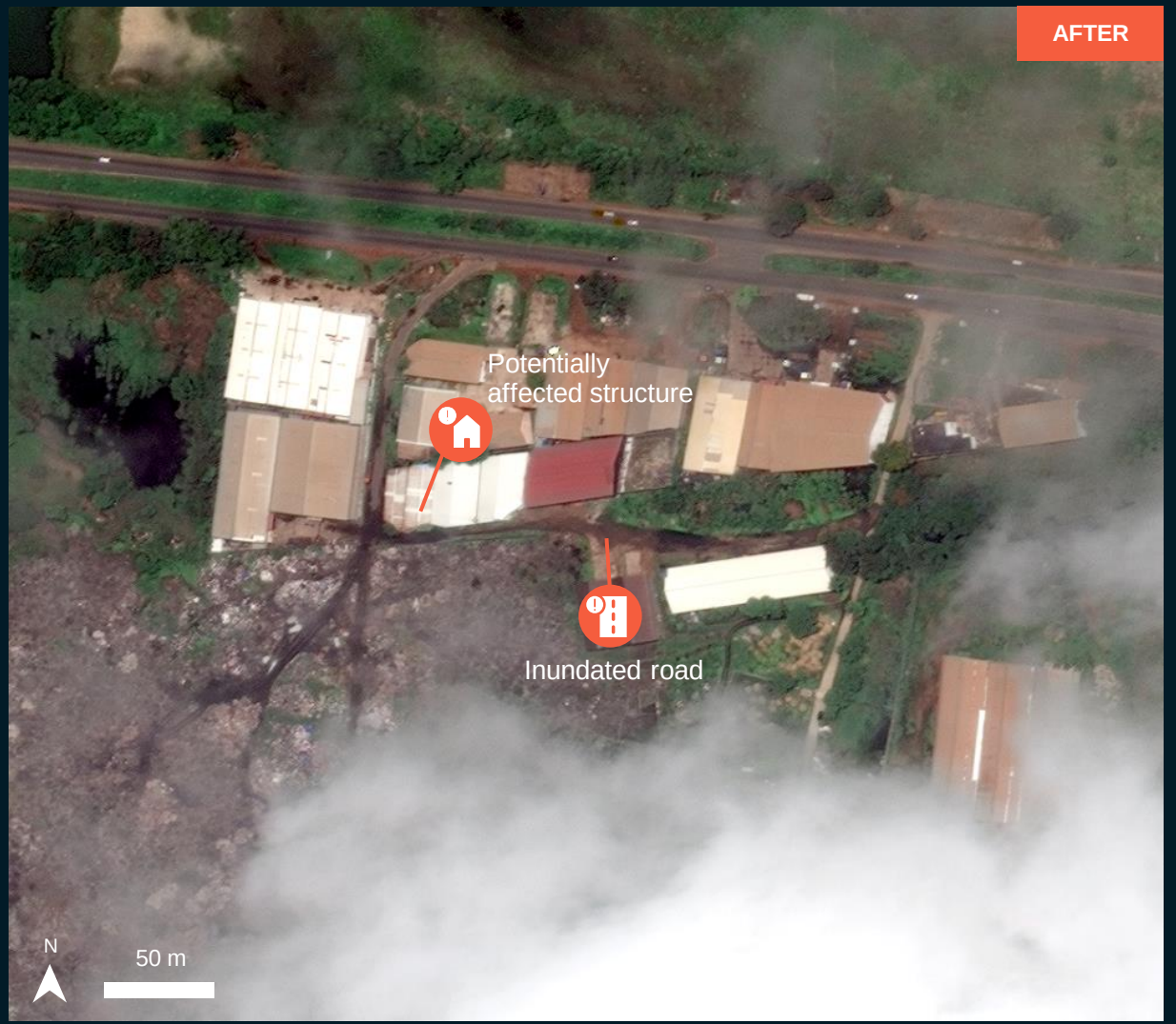


UNOSAT

Inundated road and potentially affected structures



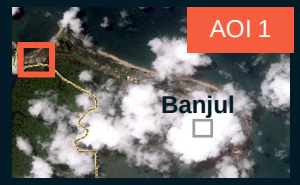
ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

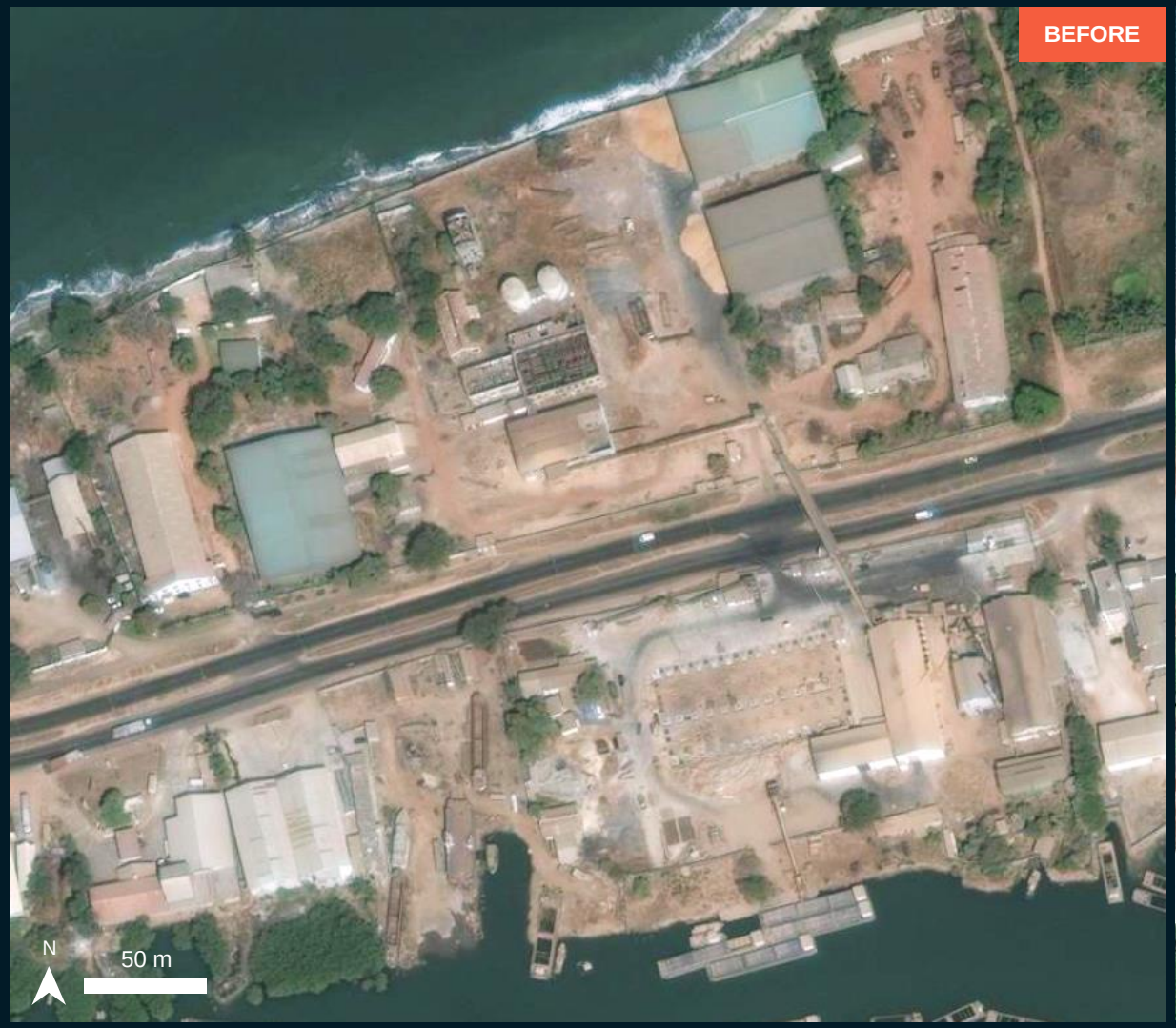
AOI 1-4 BANJUL DISTRICT, BANJUL REGION

Image center:
16°37'22.25"W
13°28'7.822"N



UNOSAT

Inundated area and affected structures



ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

AOI 2-1 KANIFING DISTRICT, KANIFING REGION

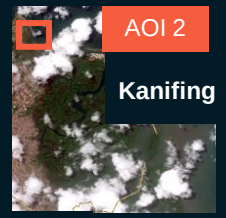
Inundated structures



Pléiades image acquired on 29 Jul. 2022
Image Center: 16°39'41.549"W 13°28'52.719"N

AOI 2-1 KANIFING DISTRICT, KANIFING REGION

Image center:
16°39'54.454"W
13°28'53.005"N



UNOSAT

Inundated area and inundated structures



ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

AOI 2-2 KANIFING DISTRICT, KANIFING REGION

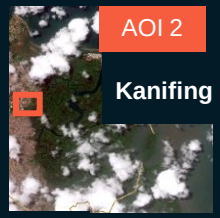
Inundated road and Inundated structures



Pléiades image acquired on X Jun. 2022
Image Center: 16°39'44.698"W 13°27'3.651"N

AOI 2-2 KANIFING TOWN, KANIFING DISTRICT, KANIFING REGION

Image center:
CCCCC

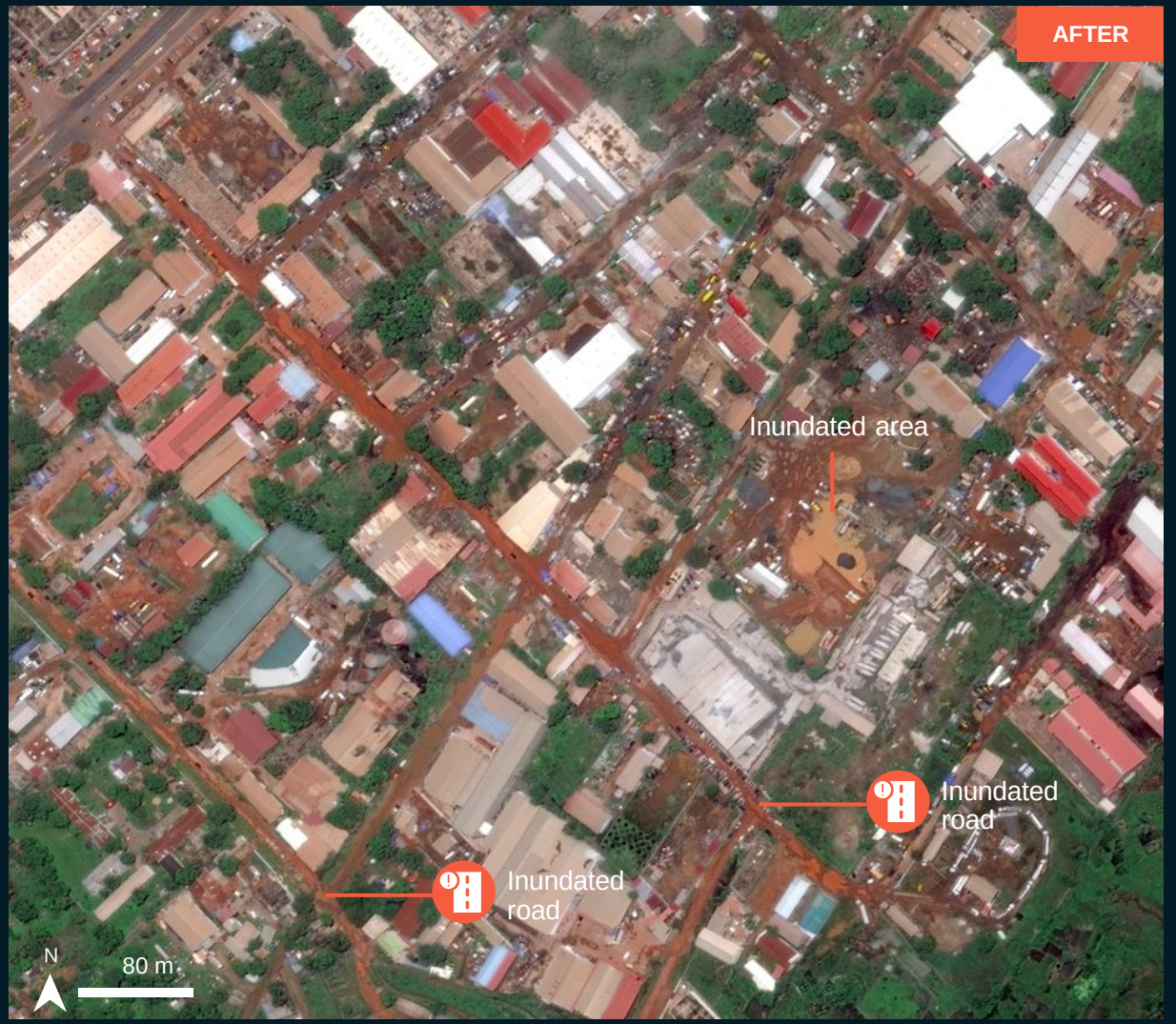


UNOSAT

Inundated road and potentially affected structures



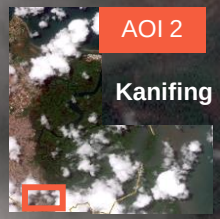
ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

AOI 2-3 ABUKO TOWN, KANIFING DISTRICT, KANIFING REGION

Water level of the stream increased



UNOSAT



Abuko

N

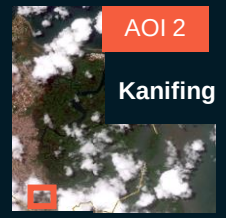
80 m

Pléiades image acquired on 29 Jul. 2022
Image Center: 16°39'26.812"W 13°24'18.422"N

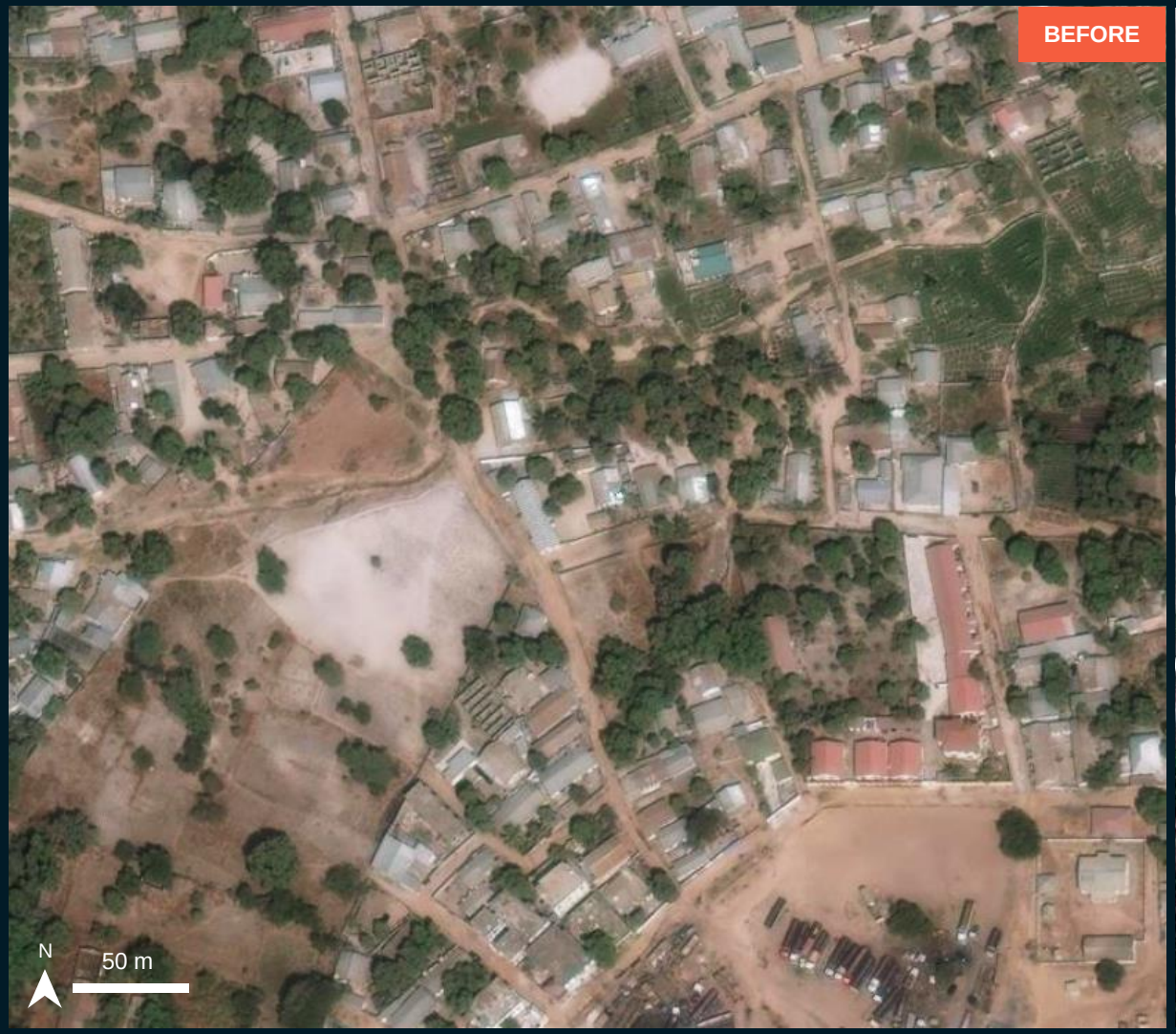
AOI 2-3 ABUKO TOWN, KANIFING DISTRICT, KANIFING REGION

Water level of the stream increased

Image center:
16°39'28.937"W
13°24'18.601"N



UNOSAT



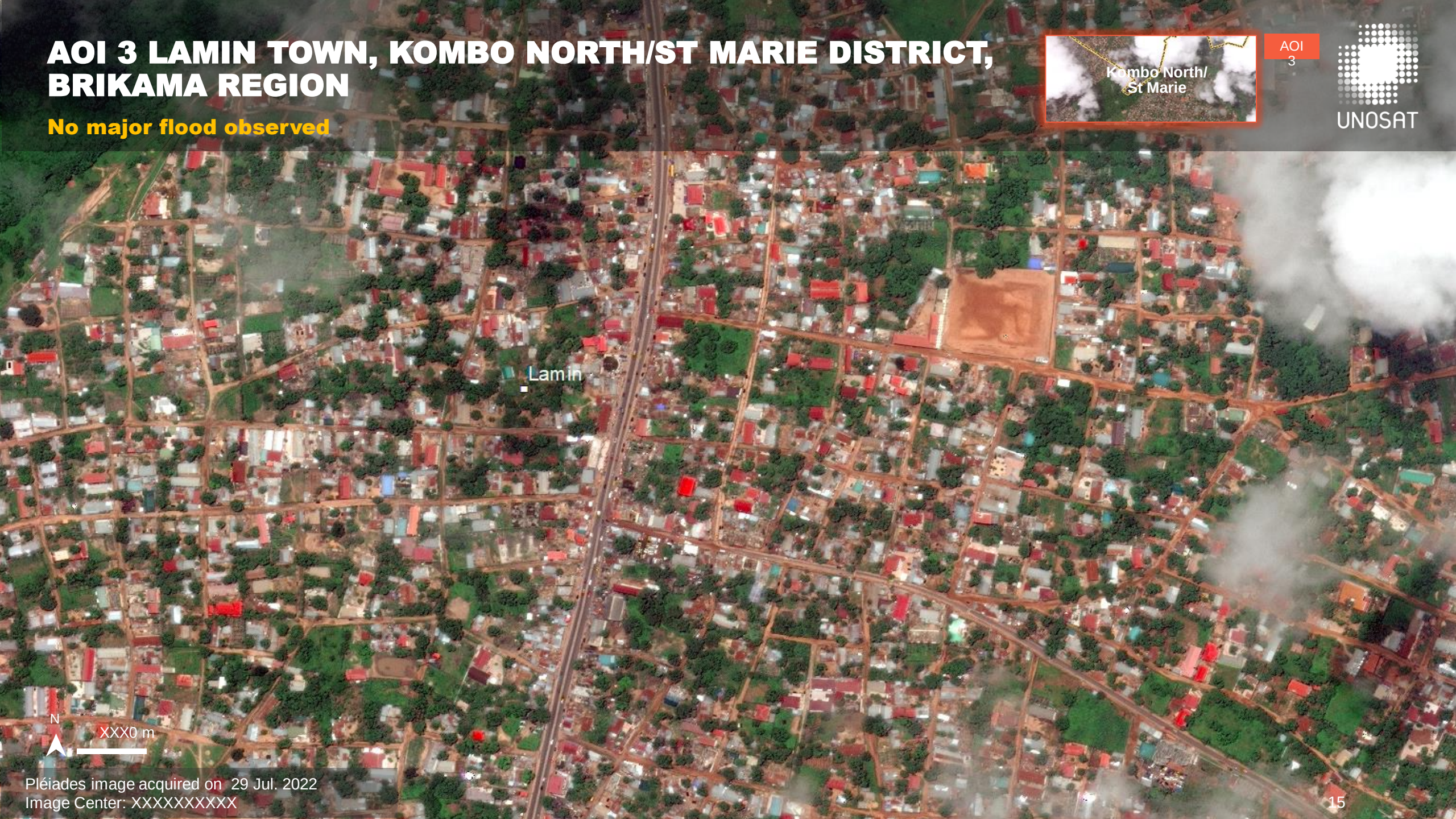
ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

AOI 3 LAMIN TOWN, KOMBO NORTH/ST MARIE DISTRICT, BRIKAMA REGION

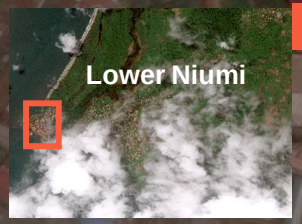
No major flood observed



Pléiades image acquired on 29 Jul. 2022
Image Center: XXXXXXXXXX

AOI 4 - 1 BARRA TOWN, LOWER NIUMI DISTRICT, KEREWAN REGION

Inundated road and Inundated structures



AOI 4

UNOSAT

Inundated road

Inundated road

Inundated road

Inundated road

Potentially Inundated structures

N

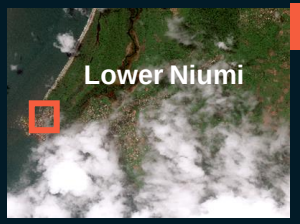
100 m

Pléiades image acquired on 29 Jul. 2022
Image Center: 16°32’45"W 13°29’11"N

AOI 4 - 1 BARRA TOWN, LOWER NIUMI DISTRICT, KEREWAN REGION

Inundated road and affected structures

Image center:
16°32'45.124"W
13°29'11.002"N



AOI 4

UNOSAT



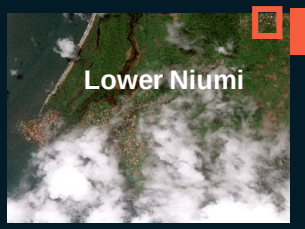
ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

AOI 4 - 2 GINAK KAJATA VILLAGE, LOWER NIUMI DISTRICT, KEREWAN REGION

Image center:
16°29’18"W
13°30’56"N



UNOSAT

No floods observed



ESRI Basemap/WorldView-3/ 14 Jan 2020



GeoEye-1/ 29 Jul. 2022

SUMMARY OF FINDINGS

- Inundated roads and potentially affected buildings in Banjul City, Banjul District, Banjul Region observed as of 29 Jul 2022;
- Inundated structures and inundated roads in Kanifing City, Kanifing District, Kanifing Region observed as of 29 Jul 2022;
- High water level and water in the roads in Abuko Town, Kanifing District, Kanifing Region observed as of 29 Jul 2022;
- No major floods observed in Lamin Town, Kombo North/ST Marie District, Brikama Region as of 29 Jul 2022;
- Inundated roads and potentially inundated buildings in Barra Town, Lower Niumi District, Kerewan Region observed as of 29 Jul 2022;
- No floods observed in Ginak Kajata Village, Lower Niumi Districtm Kerewan Region observed as of 29 Jul 2022.

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Data sources:

(1) Satellite Image (Post-event)

Satellite : GeoEye-1 image
Imagery Date : 29 Jul. 2022 at 11:31: UTC
Resolution : 50 cm
Copyright: © 2022 Maxar
Source: US Department of State, Humanitarian Information Unit, NextView License

(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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