

6 September 2024

PRELIMINARY SATELLITE-DERIVED FLOOD IMPACT ASSESSMENT

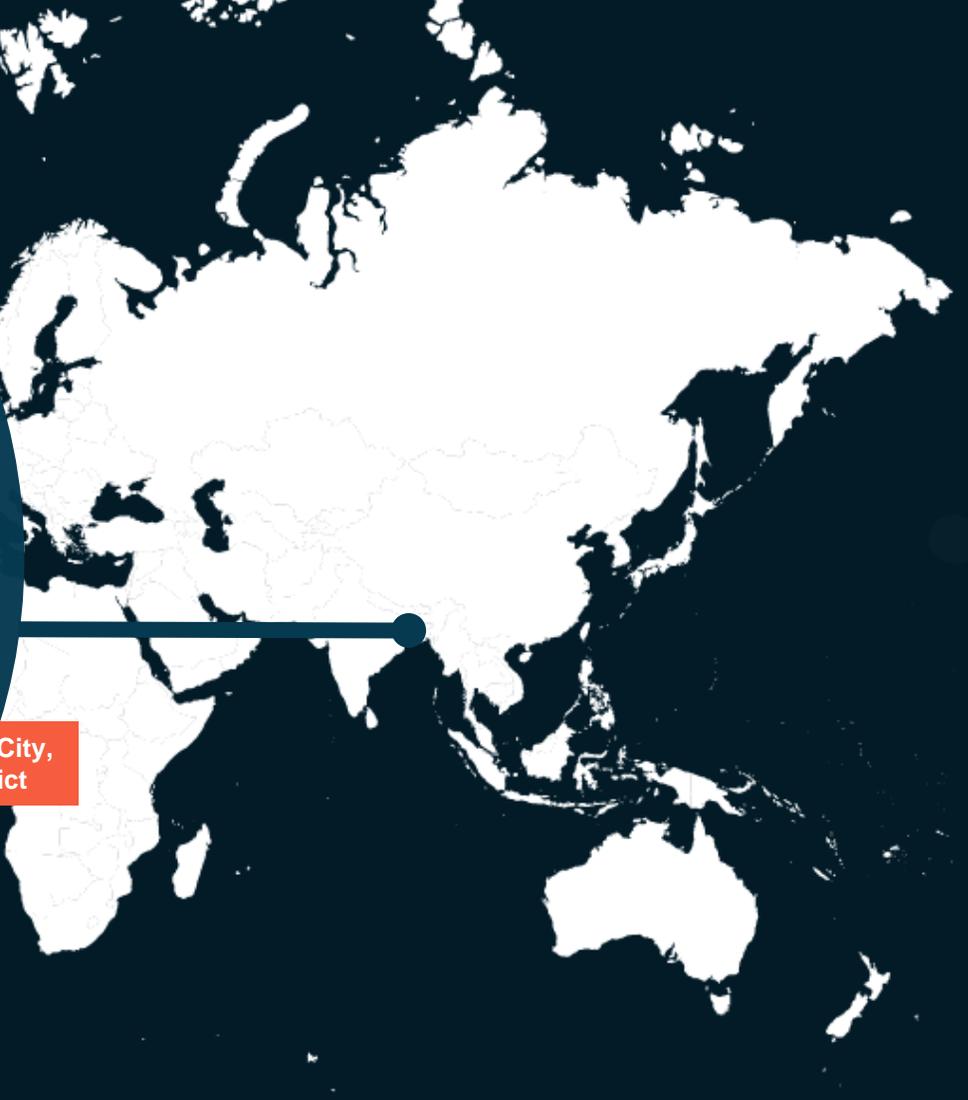


Noakhali City, Noakhali District; Chattogram City, Chattogram District
& Cox's Bazar City, Cox's Bazar District, Chattogram Division - Bangladesh

 Status: Affected structures and cropland observed

 Further action(s): Continue monitoring

Bangladesh

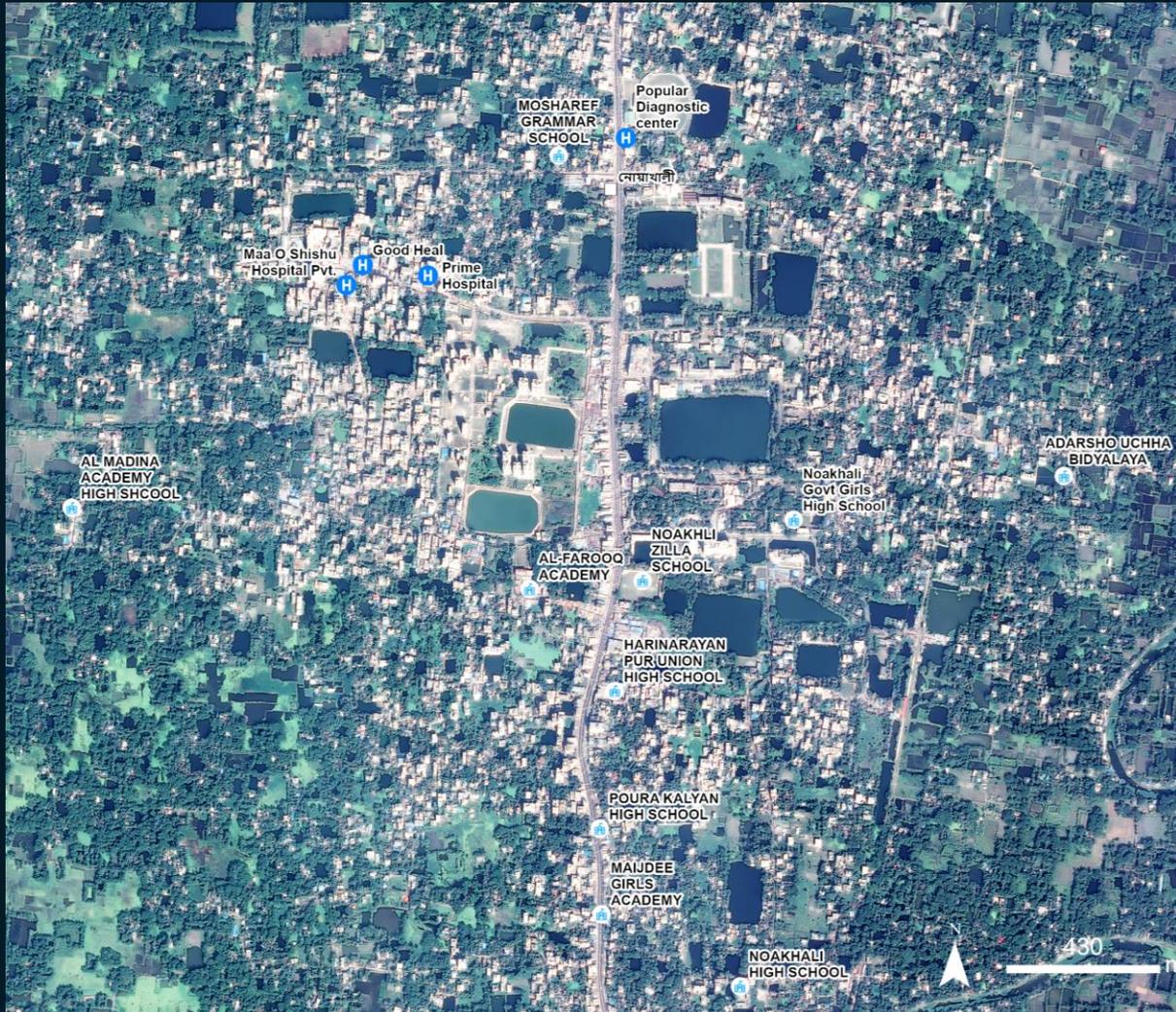


 Area of interest

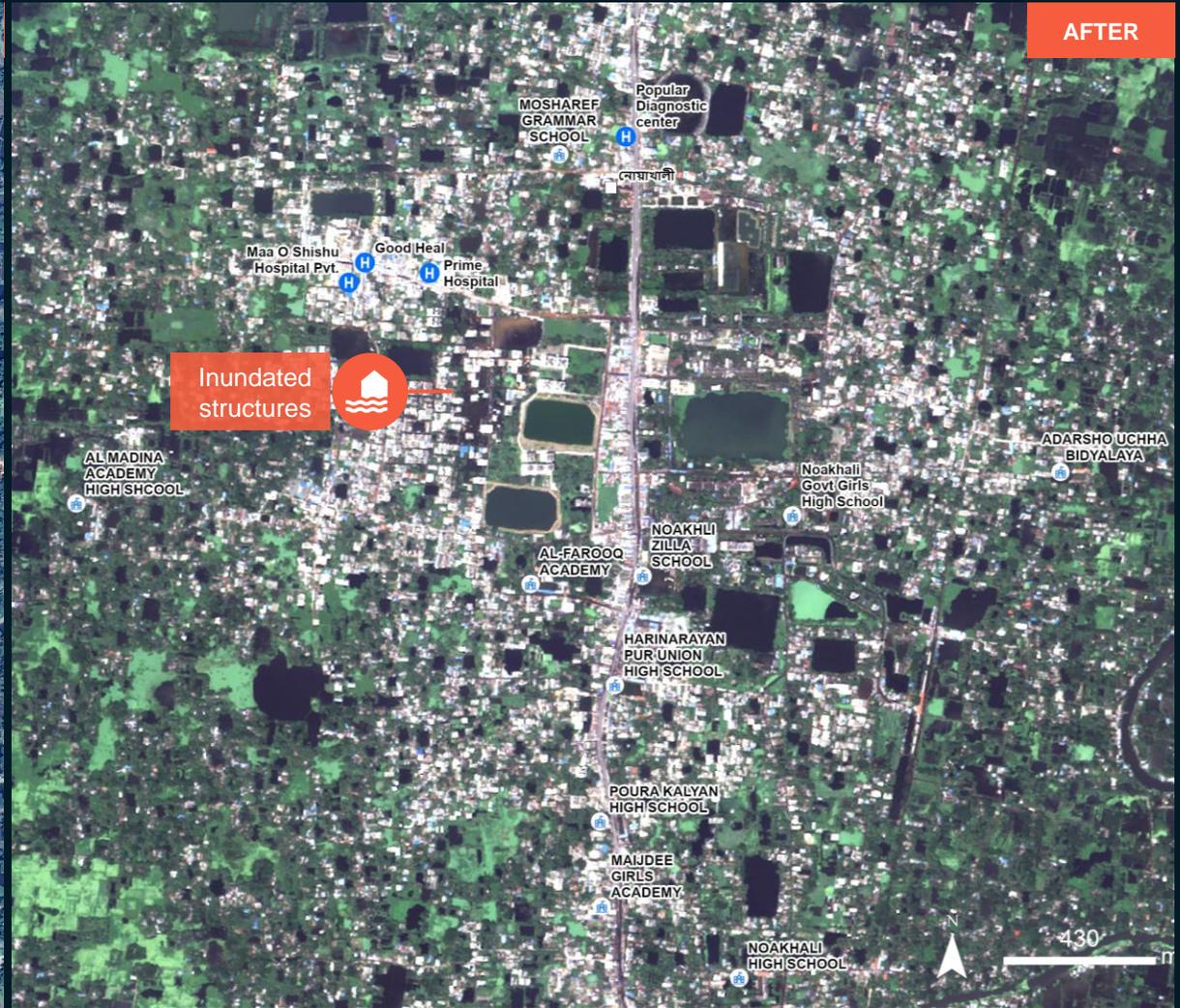
AOI1- NOAKHALI CITY, NOAKHALI DISTRICT, CHATTOGRAM DIVISION

Inundated structures observed

Image center:
91°5'50"E
22°52'1"N



Pleiades / 04 September 2024



Kompsat3 / 29 August 2024

AOI2- CHATTOGRAM CITY, CHATTOGRAM DISTRICT, CHATTOGRAM DIVISION

No major flood observed

Image center:
91°50'13"E
22°19'10"N



AFTER

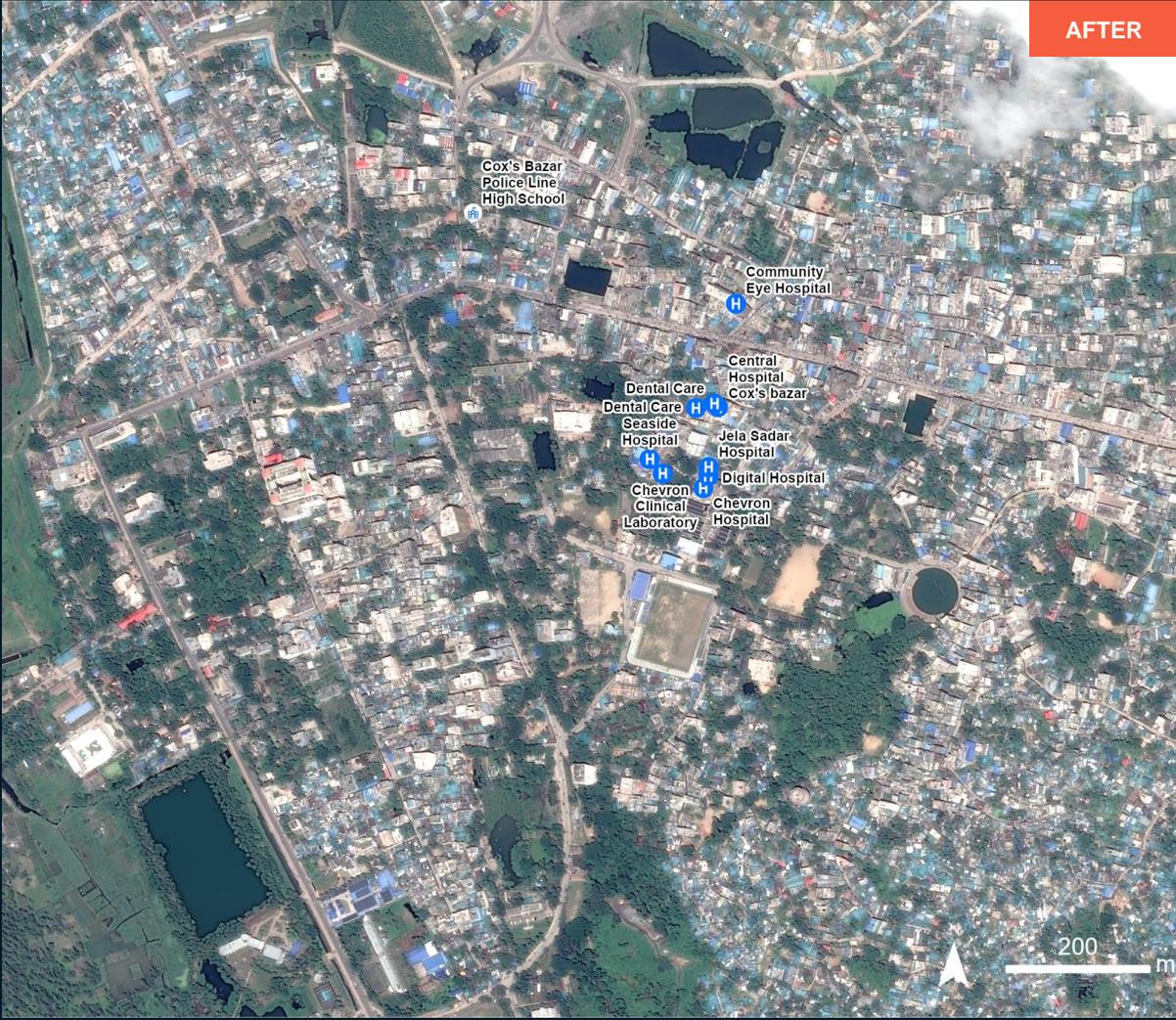
Kompsat3 / 11 March 2024

Pleiades / 30 August 2024

AOI3- COX'S BAZAR CITY, COX'S BAZAR DISTRICT, CHATTOGRAM DIVISION

No major flood observed

Image center:
91°58'30"E
21°26'31"N



GeoEye-1 / 20 January 2024

Pleiades / 04 September 2024

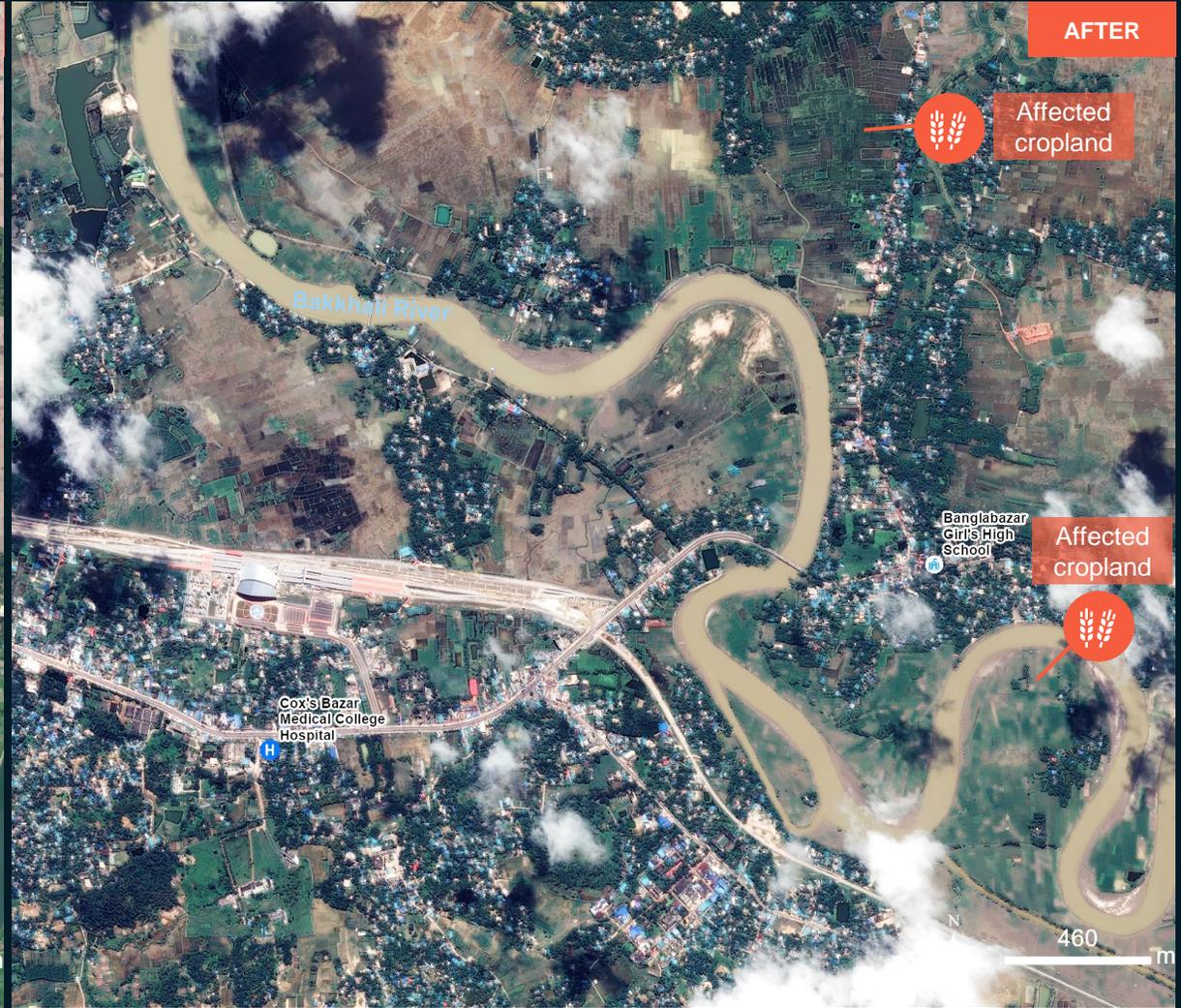
AOI4- COX'S BAZAR CITY, COX'S BAZAR DISTRICT, CHATTOGRAM DIVISION

Affected cropland

Image center:
92°1'26"E
21°25'56"N



GeoEye-1 / 20 January 2024



Pleiades / 04 September 2024

SUMMARY OF FINDINGS

- Inundated structures observed in Noakhali City, Noakhali District, Chattogram Division, as of 29 August 2024;
- No major flood observed in Chattogram City, Chattogram District, Chattogram Division as of 30 August 2024;
- Inundated cropland observed in Cox's Bazar City, Cox's Bazar District, Chattogram Division as of 4 September 2024.

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Data sources:

(1) Post image

Satellite Data: Pleiades

Imagery Dates: 30 August and 04 September 2024

Resolution : 50cm

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Source : Airbus D&S

(2) Post image

Satellite Data: Kompsat3

Imagery Dates: 29 August 2024

Resolution : 2.8 m

Copyright : © KARI (2024)

Source : KARI / KOMPSAT3

(3) Pre-image

Satellite Data: Kompsat3

Imagery Dates: 11 March 2024

Resolution : 2.8 m

Copyright : © KARI (2024)

(4) Pre-image

Satellite Data: GeoEye-1

Imagery Dates: 20 January 2024

Resolution : 50cm

Copyright: © 2024 Maxar

(5) Ancillary data

Boundary data: Bangladesh Bureau of Statistics (BBS)

Populated place: OpenStreetMap

Waterways: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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