



15 May 2023

# PRELIMINARY SATELLITE-DERIVED DAMAGE ASSESSMENT

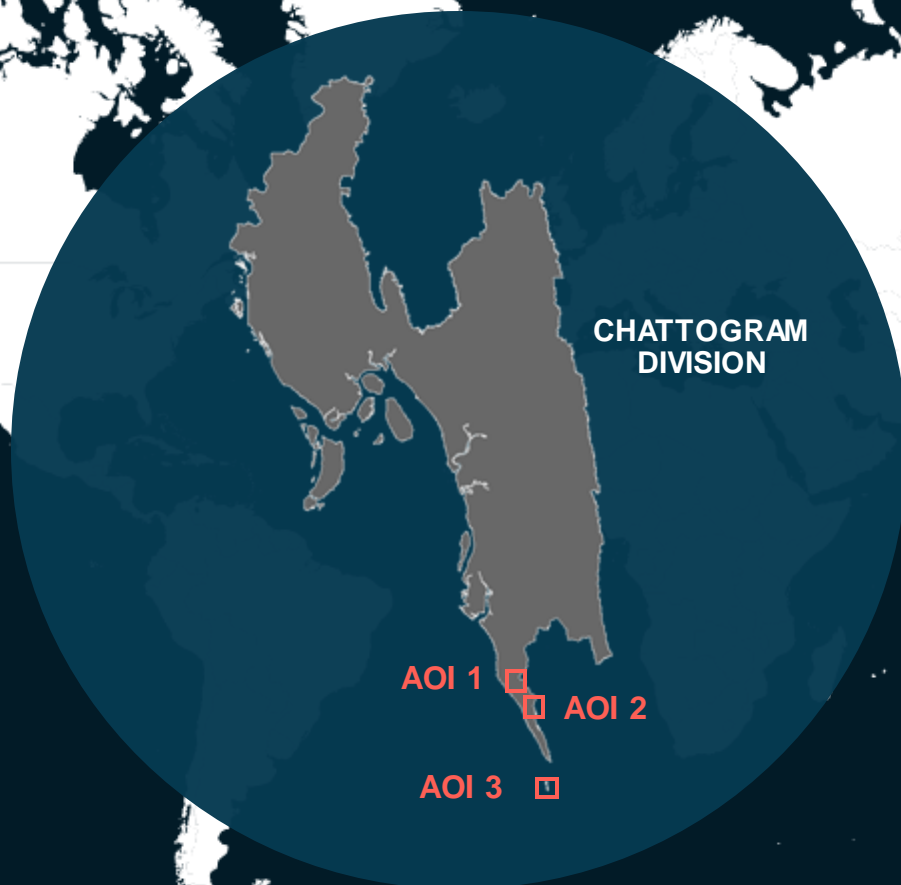
Southern Parts of Chittagong Division, Bangladesh

 Status: Damaged structures observed

 Further action(s): continue monitoring



# BANGLADESH





# AOI 1 : CAMP 21 (CHAKMARKUL), TEKNAF, COX'S BAZAR

No major visible floods or damage

CHATTOGRAM  
DIVISION

AOI 

AOI 1-1

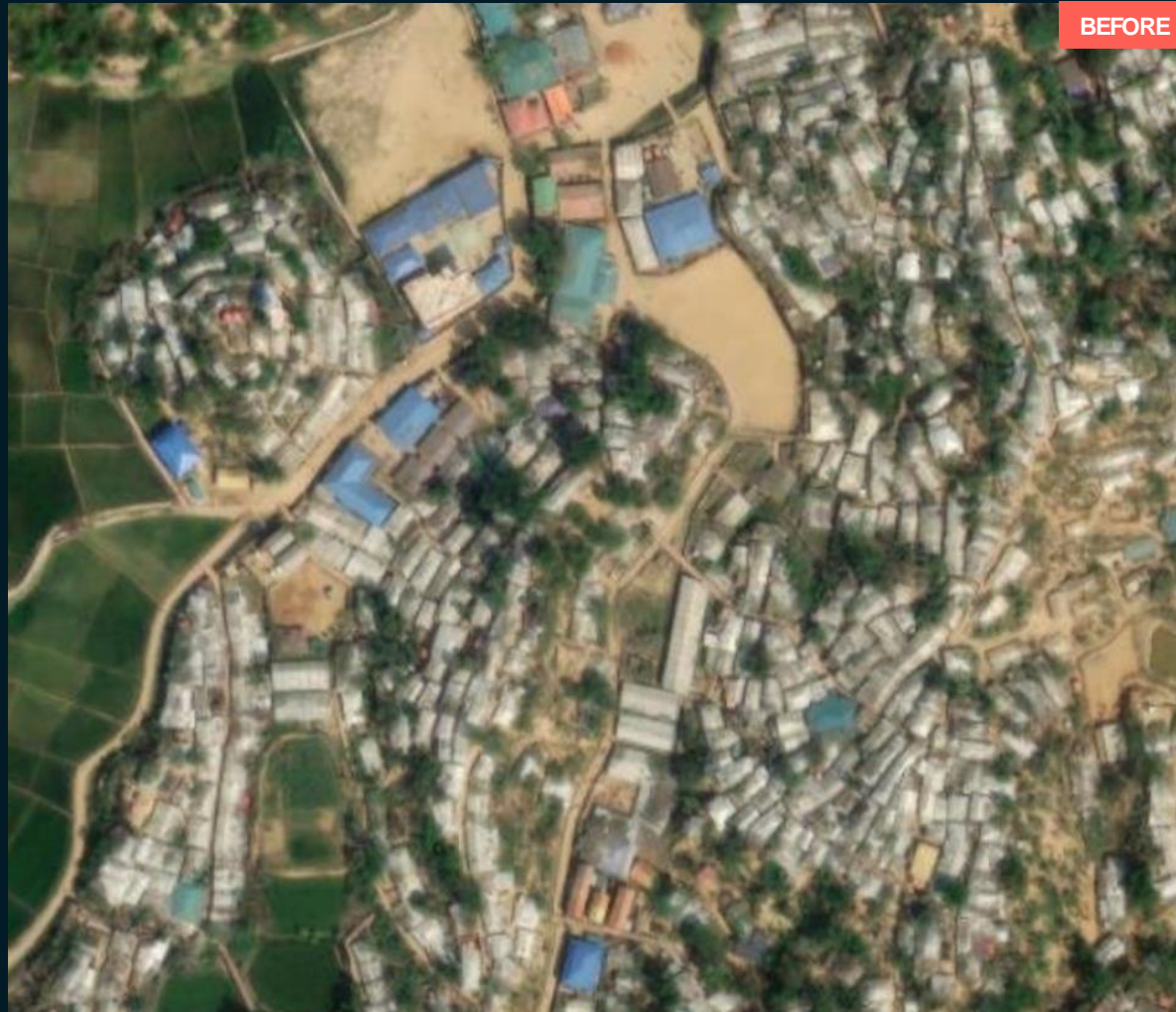
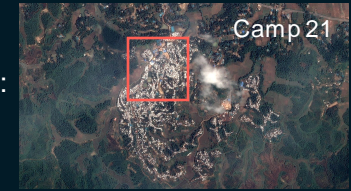
AOI 1-2



# AOI 1-1 : CAMP 21 (CHAKMARKUL), TEKNAF, COX'S BAZAR

No major visible floods or damage

Image center:  
92°9'29"E  
21°8'04"N



BEFORE

ESRI Based map / GeoEye / 19 February 2022



AFTER

Pléiades / 15 May 2023



# AOI 1-2 : CAMP 21 (CHAKMARKUL), TEKNAF, COX'S BAZAR

No major visible floods or damage

Image center:  
92°9'39"E  
21°7'42"N



ESRI Based map / GeoEye / 19 February 2022



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# AOI 2 : CAMP 22 (UNCHIPRANG), TEKNAF, COX'S BAZAR

Damaged structure observed at the southern part of camp 22



AOI 2-1

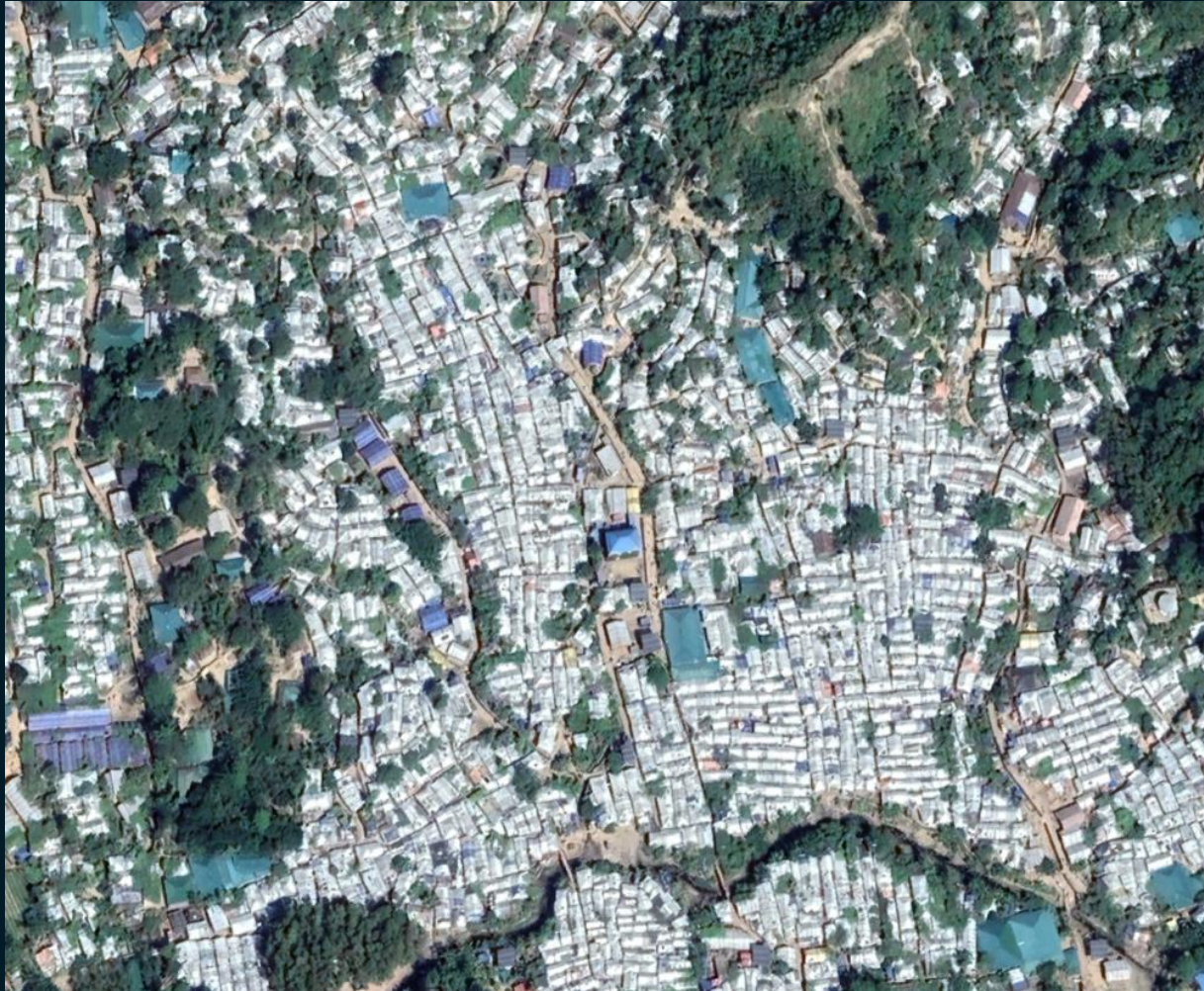
AOI 2-2



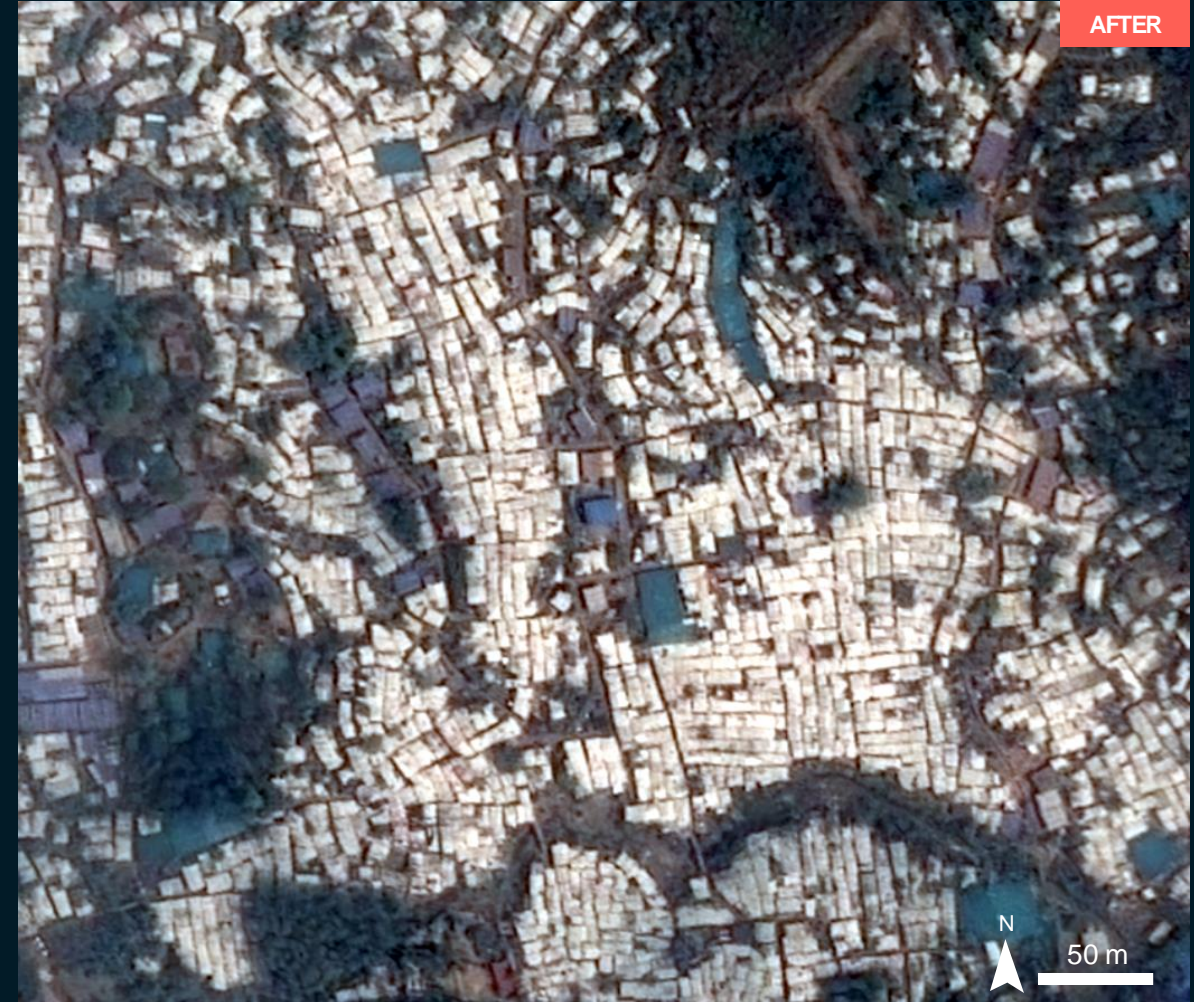
# AOI 2-1 : CAMP 22 (UNCHIPRANG), TEKNAF, COX'S BAZAR

No major visible floods/landslides or damage

Image center:  
92°11'53"E  
21°5'18"N



ESRI Based map / WorldView-3 / December 2022



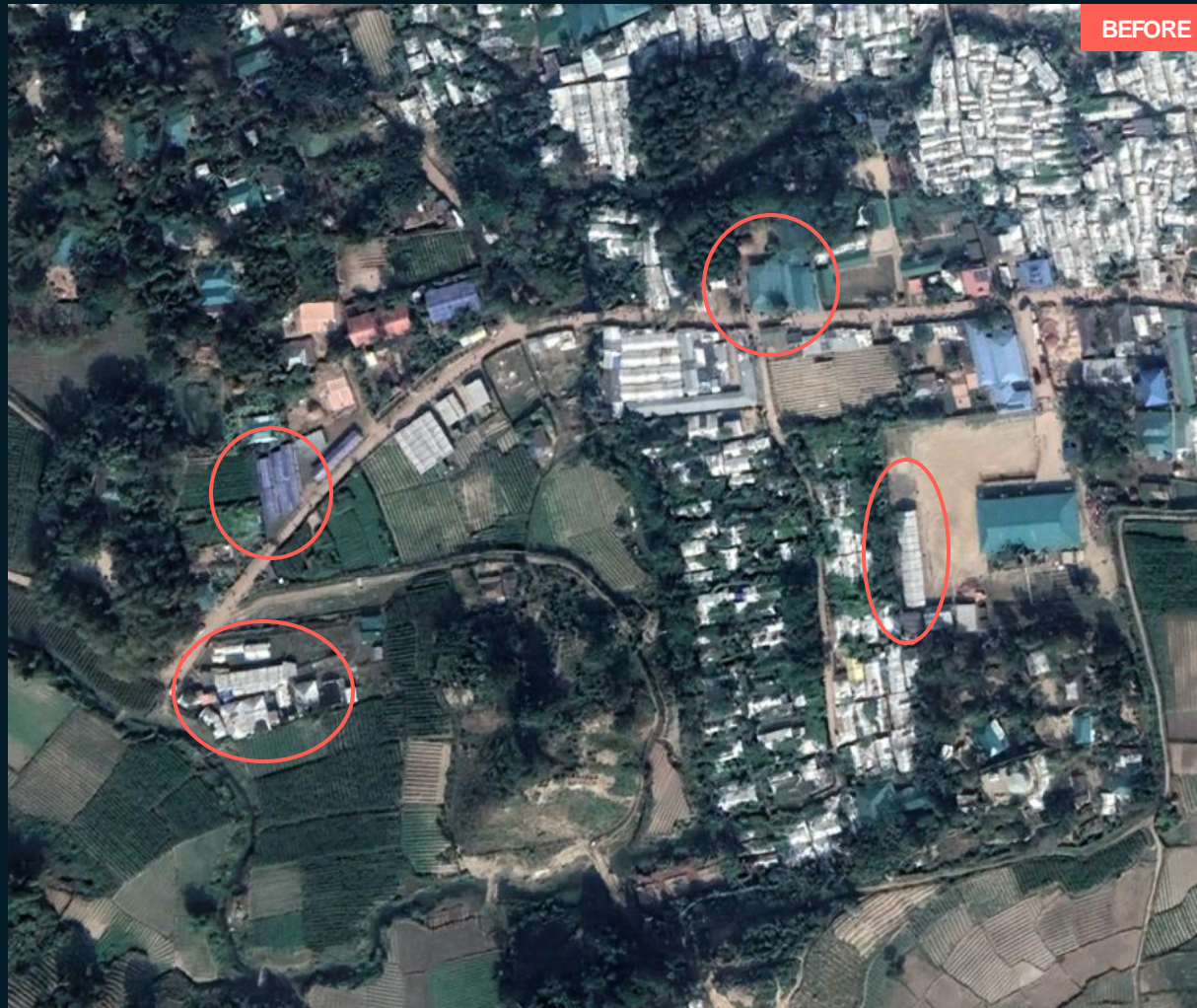
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# AOI 2-2 : CAMP 22 (UNCHIPRANG), TEKNAF, COX'S BAZAR

Damaged structure observed

Image center:  
92°9'29"E  
21°8'04"N



ESRI Based map / WorldView-3 / December 2022



Pléiades / 15 May 2023



# AOI 3-1 SAINT MARTIN'S ISLAND NORTH BEACH

Damaged structures and flooded coastal areas caused by the storm surge

Image center:  
20°38'06"N  
92°19'33"E



ESRI Based map / WorldView-2/13 March 2023



Pléiades / 15 May 2023



# AOI 3-2 SAINT MARTIN'S ISLAND WEST BEACH

Damaged structures and flooded coastal areas caused by the storm surge

Image center:  
20°37'56"N  
92°19'09"E



ESRI Based map / WorldView-2/13 March 2023



Pléiades / 15 May 2023



# AOI 3-3 SAINT MARTIN'S ISLAND WEST BEACH

Damaged structures and flooded coastal areas caused by the storm surge

Image center:  
20°37'47"N  
92°19'01"E



ESRI Basemap /WorldView-2/13 March 2023



Pléiades / 15 May 2023



# SUMMARY OF FINDINGS

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- Major damage observed along the coast of Saint Martin's Island (Teknaf Upazila, Bangladesh) as of 15 May 2023;
- No major visible flood and no major damage to structures observed in Camp 21 (Chakmarkul) as of 15 May 2023;
- Damaged structure observed in the southern part of Camp 22 (Unchiprang) as of 15 May 2023.



# COPYRIGHTS & SOURCES

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## Data sources:

(1) Satellite Image (Post-event): Pleiades

Acquisition date : 15 May 2023

Resolution: 50 cm

Copyright: Includes material © CNES (2023),

Distribution Airbus D&S

Source: CNES

(2) Satellite Image (Pre-event): ESRI Based map

(3) Ancillary data

Administrative boundaries: Bangladesh Bureau of Statistics (BBS)

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)



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