



17 November 2023

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT



Baydhabo City, Baydhaba District, Baydhaba Region, Somalia

 Status: Flood impacted structures and affected transportation network observed

 Further action(s): continue monitoring

SOMALIA

14 Nov. 2023



AOI 1: BAYDHABO CITY, BAYDHABA DISTRICT, BAYDHABA REGION

Affected road

Image center:
43°38'49"E
3°7'56"N



WorldView-3 / 16 June 2023



Pleiades / 16 November 2023

AOI 2: BAYDHABO CITY, BAYDHABA DISTRICT, BAYDHABA REGION

Flooded structures and affected road

Image center:
43°39'31"E
3°7'53"N



WorldView-3 / 16 June 2023

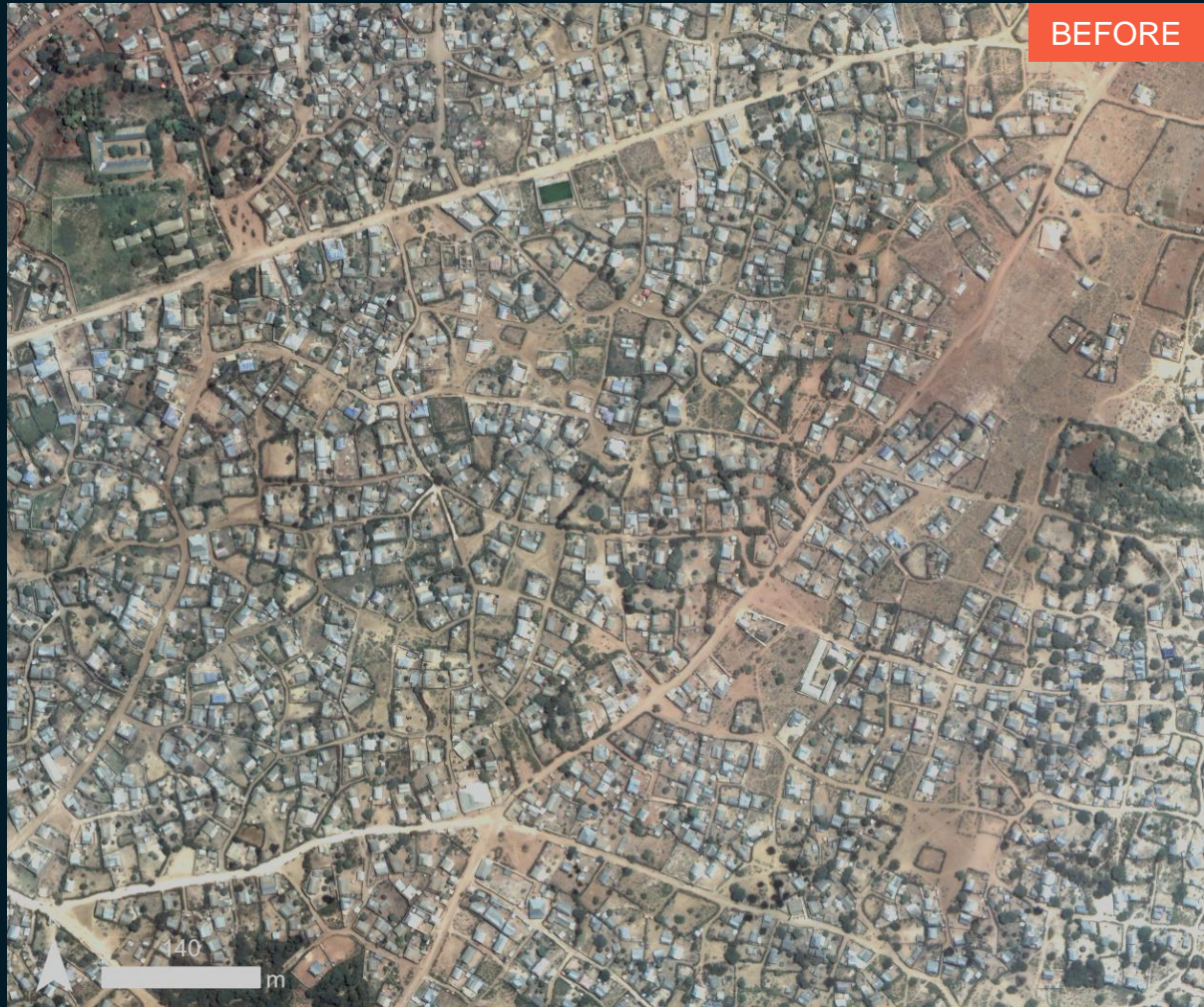


Pleiades / 16 November 2023

AOI 3: BAYDHABO CITY, BAYDHABA DISTRICT, BAYDHABA REGION

No major flood

Image center:
43°40'19"E
3°7'3"N



WorldView-3 / 16 June 2023

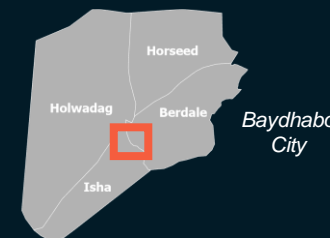


Pleiades / 14 November 2023

AOI 4: BAYDHABO CITY, BAYDHABA DISTRICT, BAYDHABA REGION

Flooded structures and affected road

Image center:
43°38'56"E
3°6'26"N



WorldView-3 / 16 June 2023

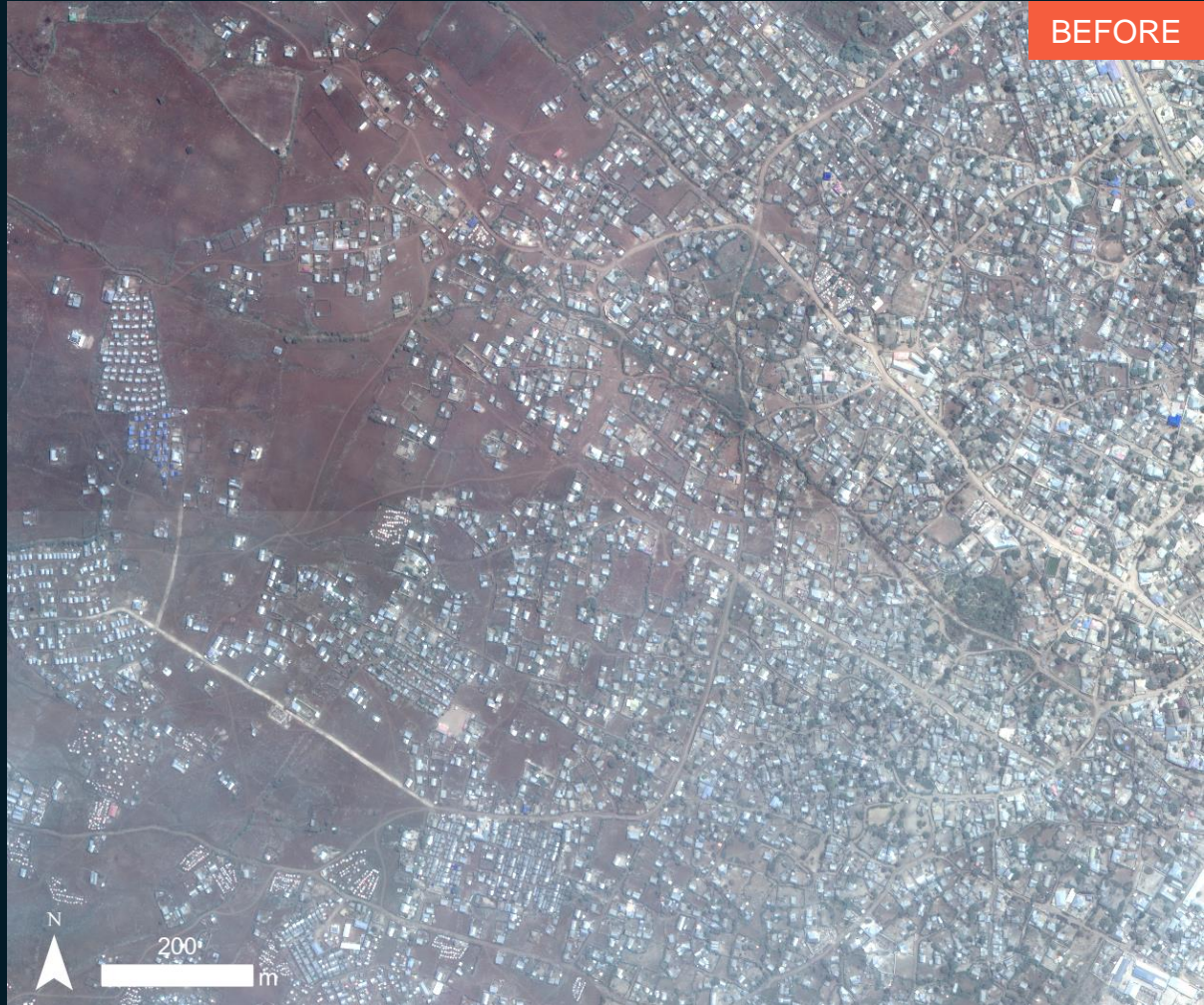


Pleiades / 16 November 2023

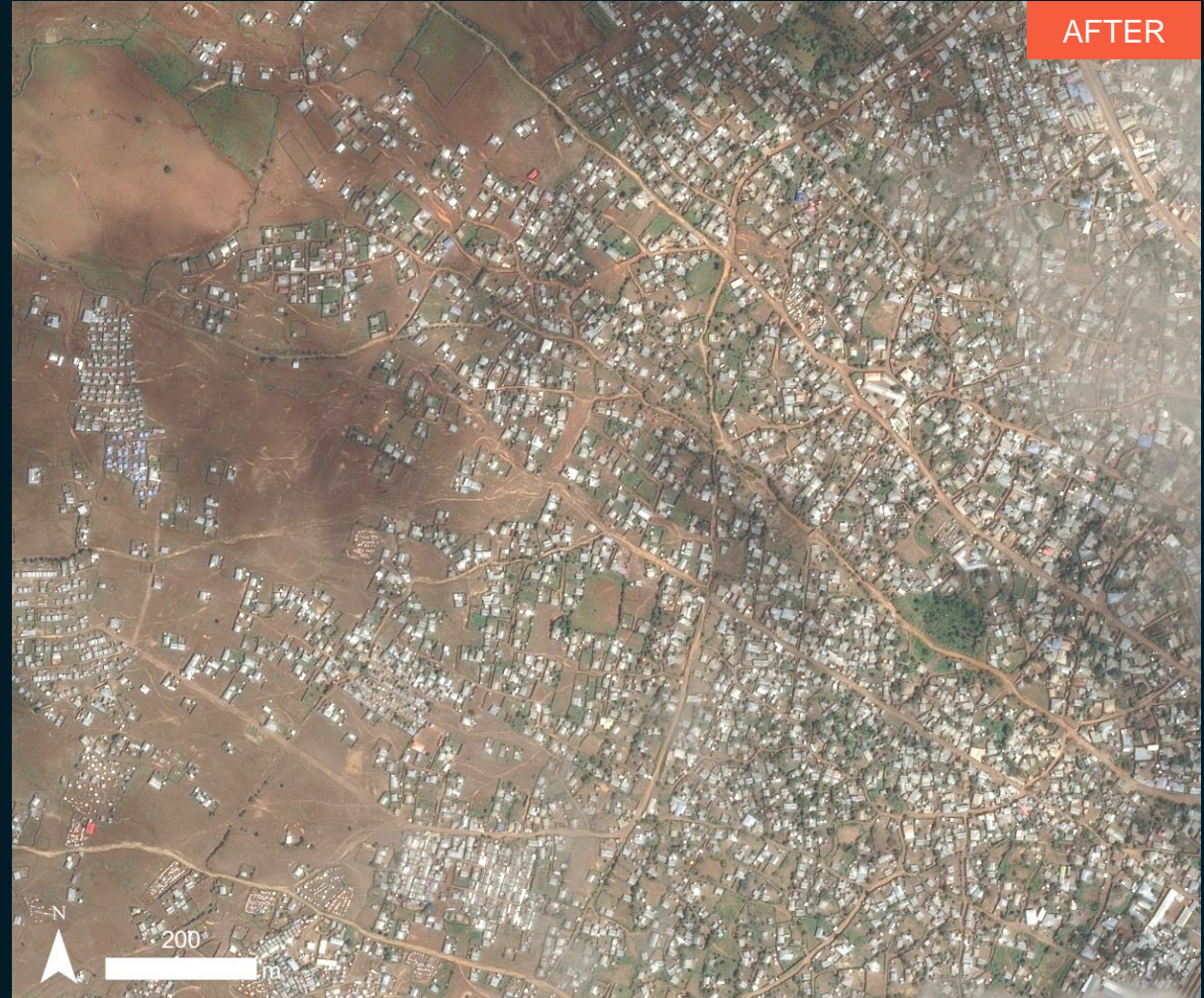
AOI 5: BAYDHABO CITY, BAYDHABA DISTRICT, BAYDHABA REGION

No major flood

Image center:
43°38'4"E
3°7'11"N



WorldView-3 / 16 June 2023



Pleiades / 14 November 2023

SUMMARY OF FINDINGS

- Waters increase is observed along the river in Baydhabo city as of 16 November 2023;
- Affected structures and roads observed in a small area in the eastern part of the Baydhabo City as of 16 November 2023;
- No major floods could be observed in the western part of Baydhabo city as of 14 November 2023.

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Data sources:

(1) Satellite Image (Post-event):

Satellite data: Pléiades

Acquisition date : 14 &16 November 2023

Resolution: 50cm

Copyright: ©CNES(2023), distributed by Airbus D&S

Source: Airbus D&S

(2) Satellite Image (Pre-event):

Satellite data: WorldView-3

Acquisition date : 16 June 2023

Copyright: © DigitalGlobe, Inc. (2023)

Source: USGS / HDDS and the International Charter Space and Major Disasters

(3) Ancillary data

Administrative boundaries: UNOCHA

Populated place: OpenStreetMap

Waterway: OpenStreetMap

Road data: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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