

31 May 2023

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT



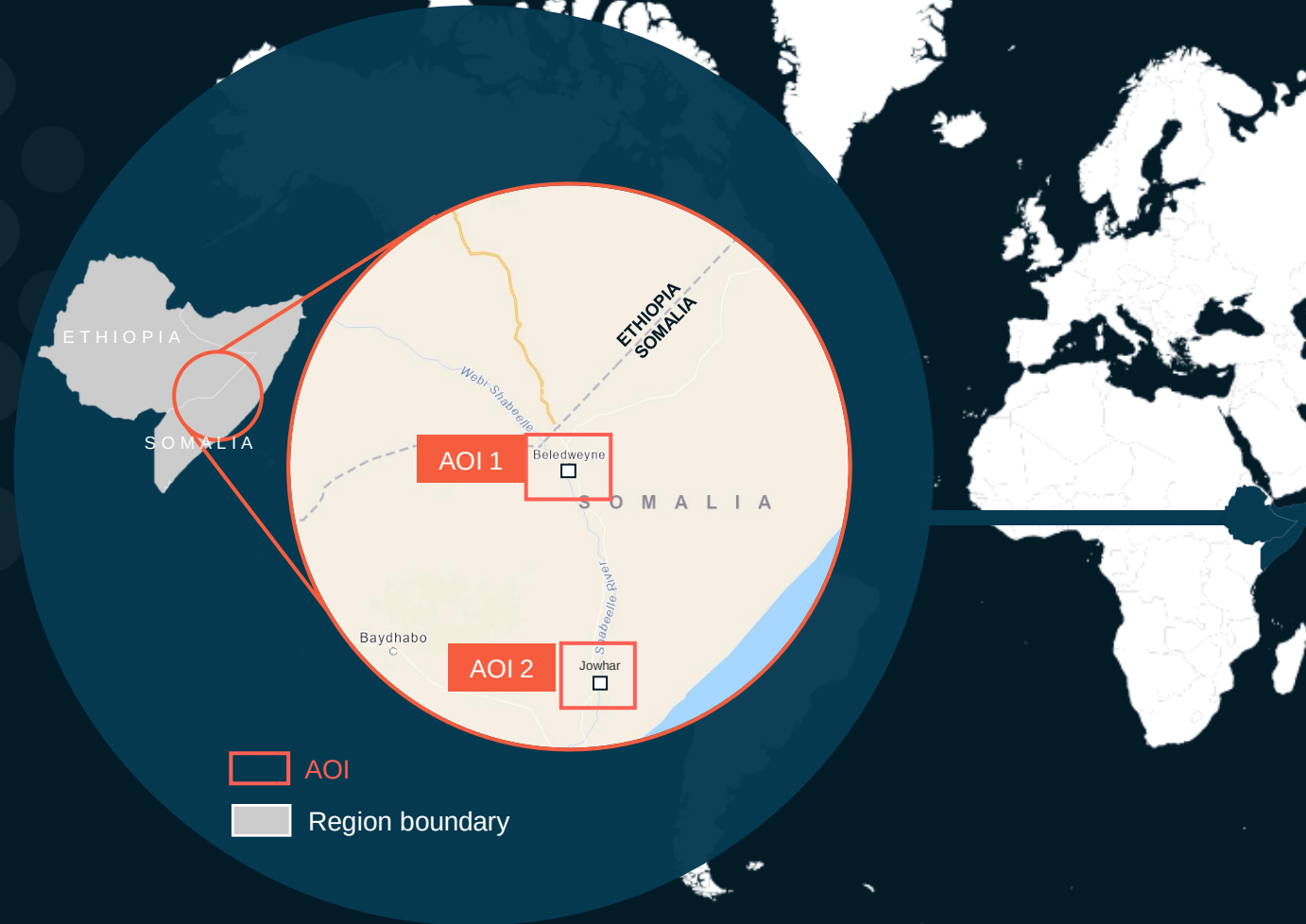
Beledweyne City, Hiraan Region, and Jowhar City, Middle Shebelle Region Somalia

 Status: Increased water extent along the Shabelle River observed

 Further action(s): Continue monitoring

SOMALIA

31 May 2023



AO11 BELEDWEYNE CITY, BELED WEYNE DISTRICT, HIRAAN REGION

Flooded infrastructures and roads- Water recede observed in some areas



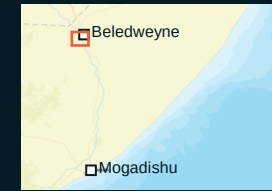
Pleiades Image acquired on 29 May 2023
Image center : 4°44'39"N 45°12'16"E



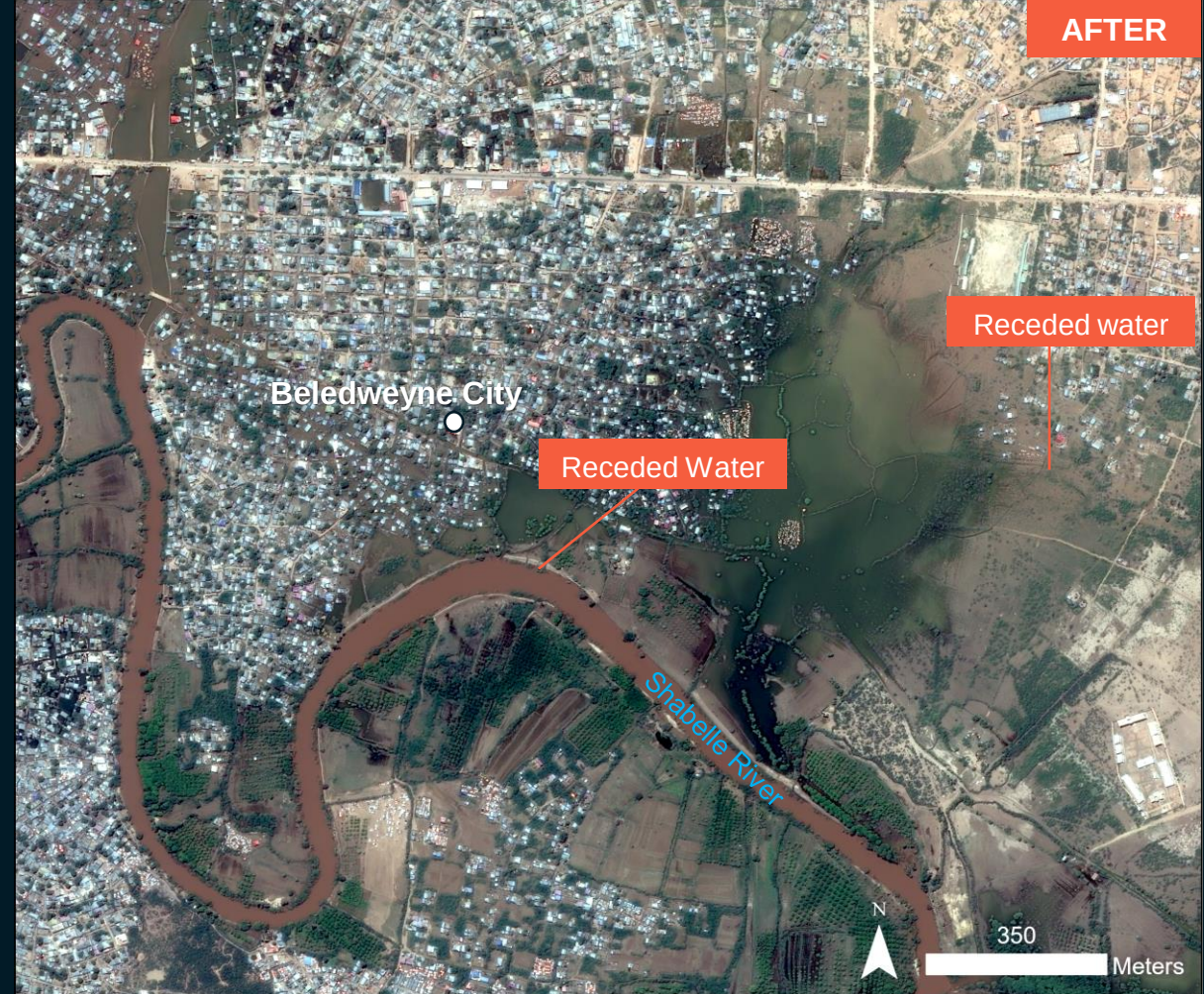
AOI1 BELEDWEYNE CITY, BELED WEYNE DISTRICT, HIRAAN REGION

Flooded area and receding water along the Shabelle River

Image center:
45°17'11"E
4°44'7"N



Pleiades / 25 May 2023

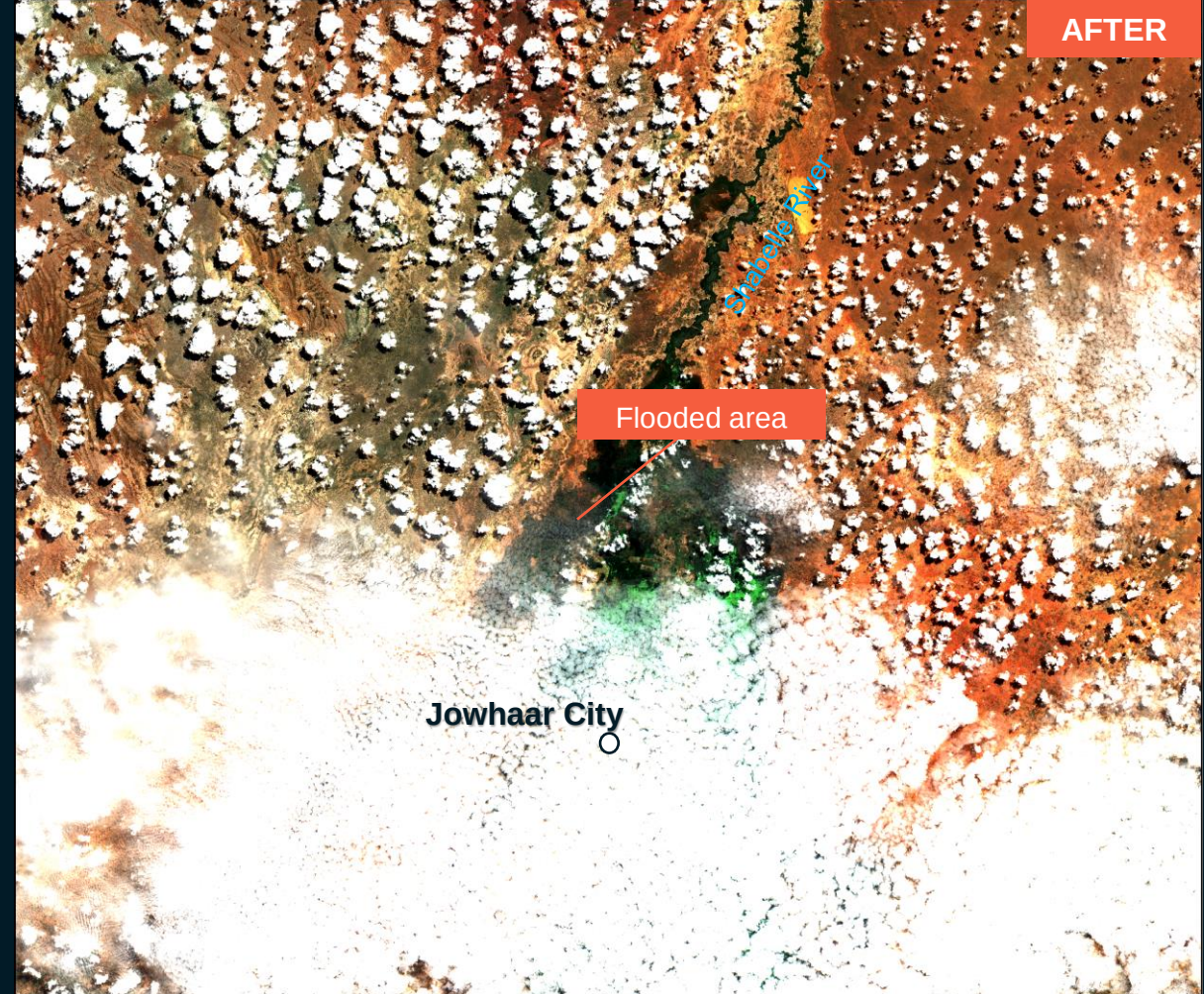
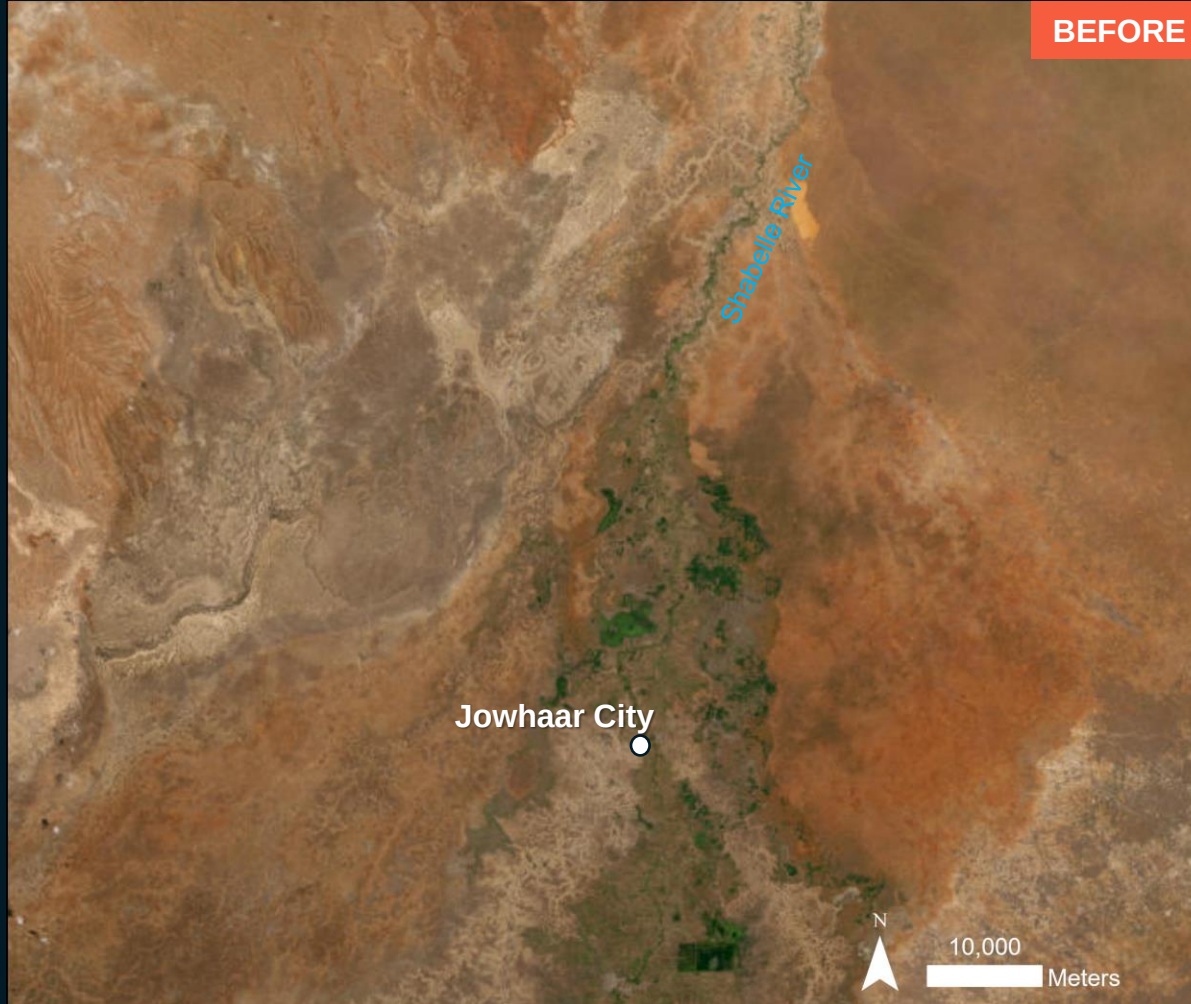


Pleiades / 29 May 2023

AOI 2 JOWHAAR CITY AND SURROUDINGS, MIDDLE SHABELLE REGION

Flooded area observed north of Jowhaar City

Image center:
45°32'3"E
2°58'3"N



AOI 2 JOWHAAR CITY, JOWHAAR DISTRICT, MIDDLE SHABELLE REGION

No major floods observed



Pleiades Image acquired on 30 May 2023
Image center : 2°46'50"N 45°29'58"E



SUMMARY OF FINDINGS

- Flooded areas, structures and roads observed in Beledweyne City as of 29 May 2023;
- Decrease of water extent observed in Beledweyne City as of 29 May 2023;
- Floods observed downstream of the Shabelle River north of Jowhaar City as of 29 May 2023;
- No major floods could be observed in Jowhaar City as of 30 May 2023.

COPYRIGHTS & SOURCES

Data sources:

(1) Satellite Image (Post-event): Pleiades
Imagery Date: 25, 29 and 30 May 2023
Resolution: 50 cm
Copyright: © CNES (2023), Distribution Airbus DS.
Source: Airbus D&S

(2) Satellite Image (Post-event): Sentinel-2
Acquisition date: 29 May 2023
Resolution: 10 m
Copyright : Contains modified Copernicus Sentinel data [2023]
Source : ESA

(3) Satellite Image (Pre-event): ESRI Basemap

(4) Ancillary data

Administrative boundaries: OCHA Regional Office for Southern and Eastern Africa (ROSEA)
Populated place: OpenStreetMap
Waterway: OpenStreetMap

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

The boundaries and names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations. The United Nations Satellite Centre - UNOSAT is not responsible for the misuse or misrepresentation of the map.

 **@UNOSAT**

 **@UNITAR.unosat**



UNOSAT, United Nations Institute for Training
and Research (UNITAR)
7 bis, Avenue de la Paix, CH-1202 Geneva 2,
Switzerland

T +41 22 917 4720
E unosat@unitar.org
www.unosat.org