


28 March 2023

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT



Hiraan Region, Somalia & Somali Region,
Ethiopia

 Status: Increased water extent along the Shabelle River

 Further action(s): continue monitoring

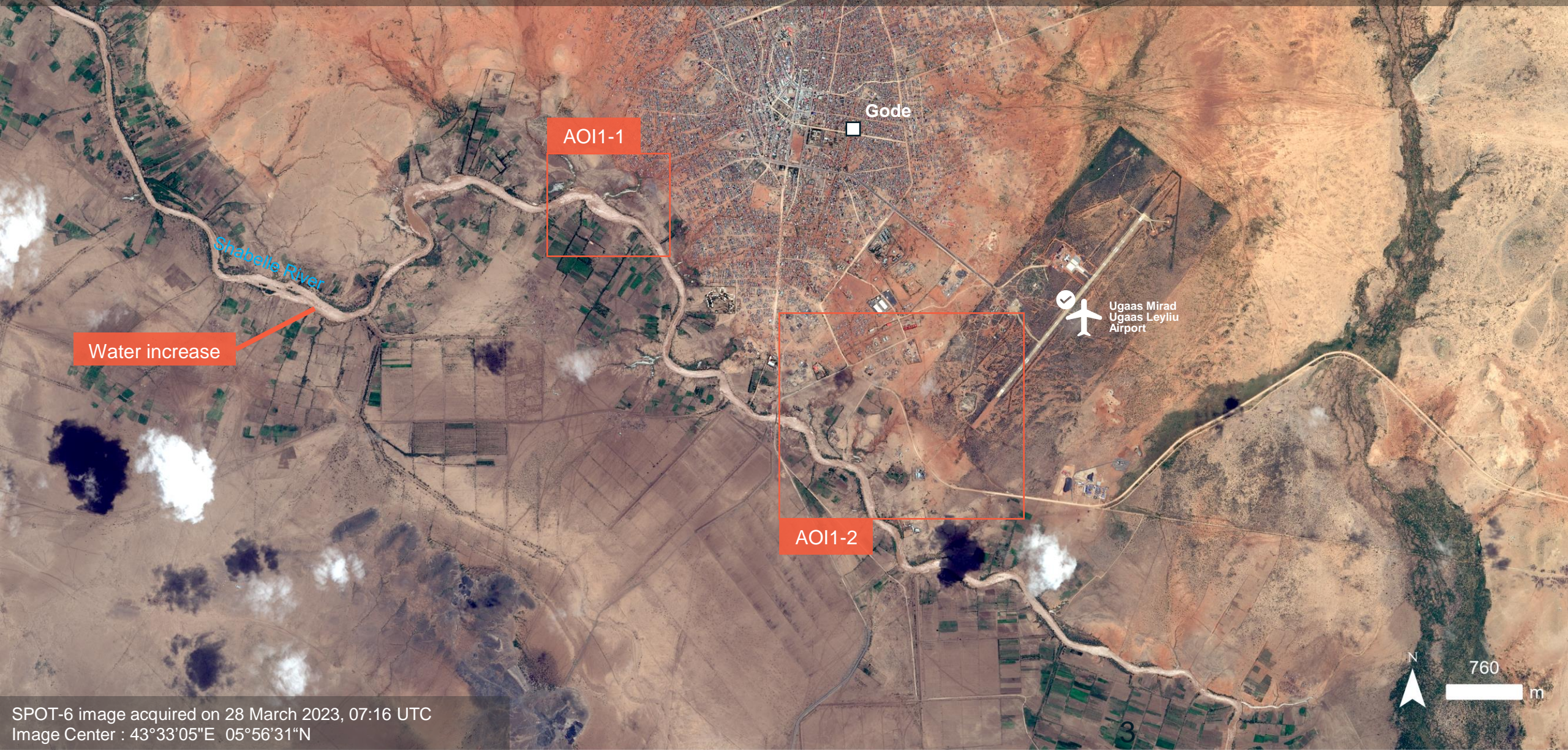
SOMALIA & ETHIOPIA

28 March 2023



AOI 1: Shabelle District, Somali Region, Ethiopia

Increased water along the Shabelle River



Water increase

Shabelle River

AOI1-1

Gode

Ugaas Mirad
Ugaas Leyliu
Airport

AOI1-2



760 m

AOI 1 – 1: Shabelle District, Somali Region, Ethiopia

Image center:
05°56'12"N
43°32'27"E



Potentially affected structures



AOI 1 – 2: Shabelle District, Somali Region, Ethiopia

Image center:
05°55'25"N
43°33'50"E



Airport not affected



ESRI Basemap / 23 August 2019



SPOT-6 / 28 March 2023

AOI 2 – 1: Bacad Town, Belet Weyne District, Hiraan Region , Somalia

Increased water along the Shabelle River

Image center:
4°52'05.2"N
45°09'25.0"E



ESRI Basemap / 06 March 2022



SPOT-6 / 28 March 2023

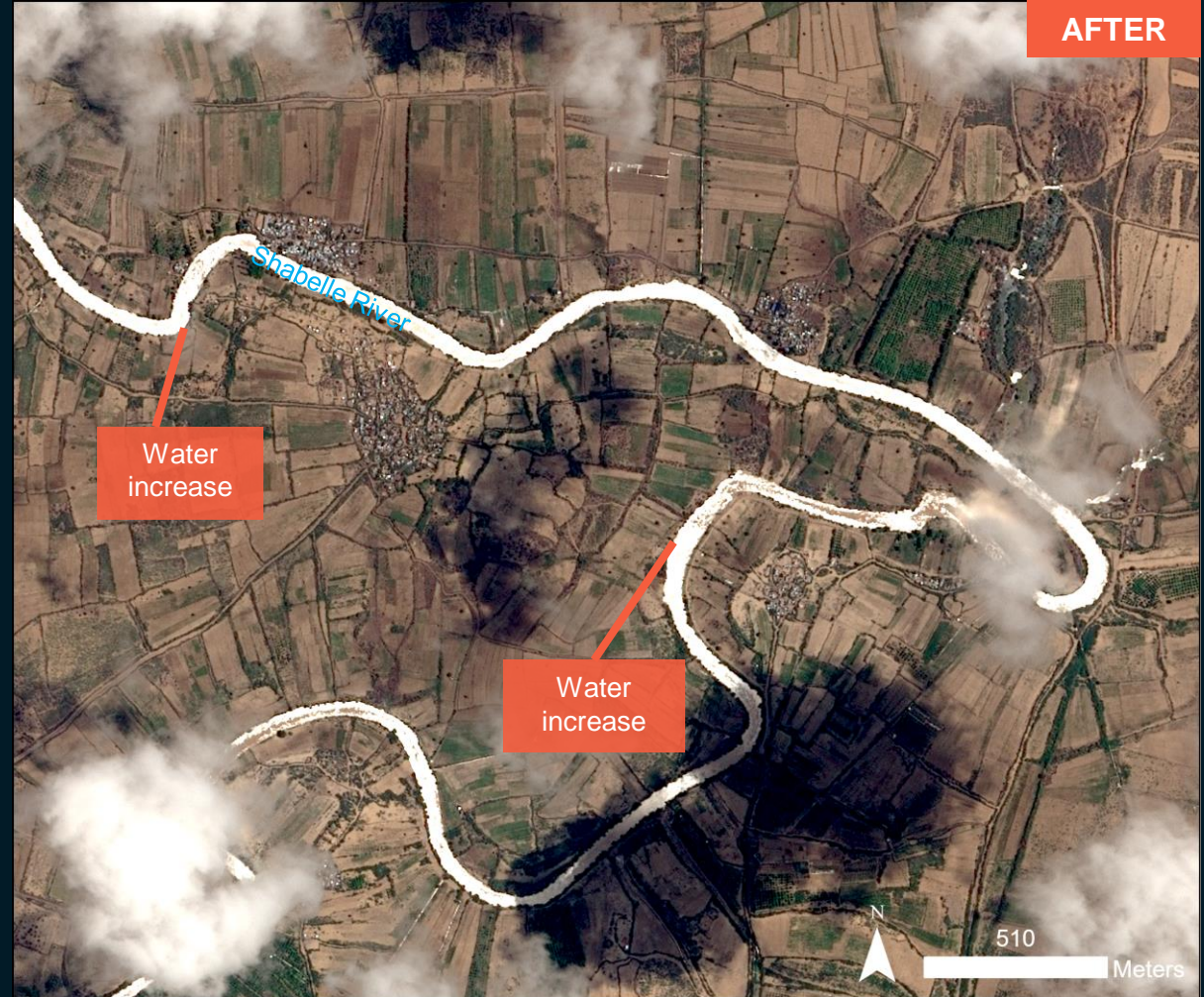
AOI 2 – 2: Belet Weyne District, Hiraan Region , Somalia

Increased water along the Shebelle River

Image center:
4°47'22.5"N
45°12'03.0"E



BEFORE



AFTER

Water increase

Water increase

AOI 3: Belet Weyne City, Belet Weyne District, Hiraan Region, Somalia

Increased water along the Shabelle River



Water increase

Belet Weyne

Shabelle River

AOI3-1

Water increase



AOI 3 – 1: Belet Weyne City, Belet Weyne District, Hiraan Region , Somalia

Image center:
4°44'08"N
45°12'01"E



Increased water along the Shabelle River and potentially affected structures



ESRI Basemap / 06 March 2022

SPOT-6 / 28 March 2023

SUMMARY OF FINDINGS

- Swollen Shabelle River between Gode and Beletdweyne as of 28 March 2023;
- Potentially affected structures observed in Gode, Shabelle District, Somali Region, Ethiopia as of 28 March 2023;
- Potentially affected structures observed in Beletdweyne City, Belet Weyne District, Hiraan Region , Somalia as of 28 March 2023.

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Data sources:

(1) Satellite Image (Post-event): SPOT-6

Acquisition date : 28 March 2023

Resolution: 1.5 m

Copyright: Includes material © AIRBUS DS (2023)

Source: CNES / SPOT6

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

(3) 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)

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