

3 February 2022

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT

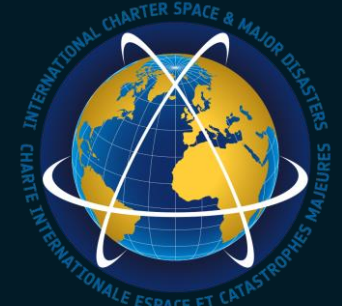
Namwala Town, Namwala District, Southern Province, Zambia



Status: Flood impacted structures and affected transportation network observed



Further action(s): continue monitoring



ZAMBIA



- ★ Capital city
- Town
- Area of Interest (AOI)
- Province Boundary
- District Boundary



NAMWALA TOWN, NAMWALA DISTRICT, SOUTHERN PROVINCE

Floods trails and affected road

Namwala



Namwala

Image center:
26°24'59.455"E
15°45'21.654"S



Namwala Town

Kafue River

Floods trail

Floods trail

Floods trail

Affected road

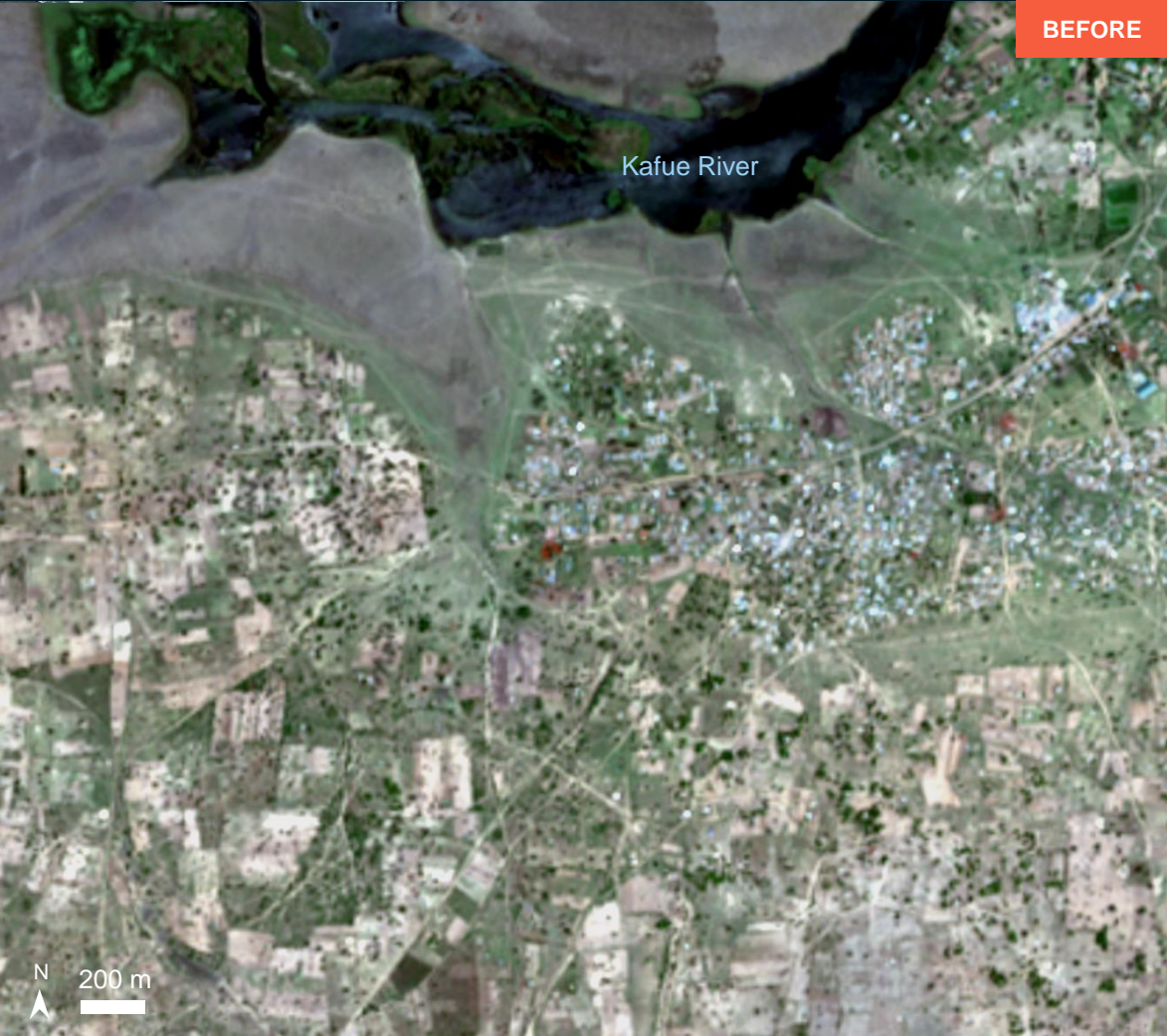
N
200 m

Newsat image acquired on 31 Jan 2023 at 13:18 local time
Image center: 26°24'59.455"E, 15°45'21.654"S

NAMWALA TOWN, NAMWALA DISTRICT, SOUTHERN PROVINCE

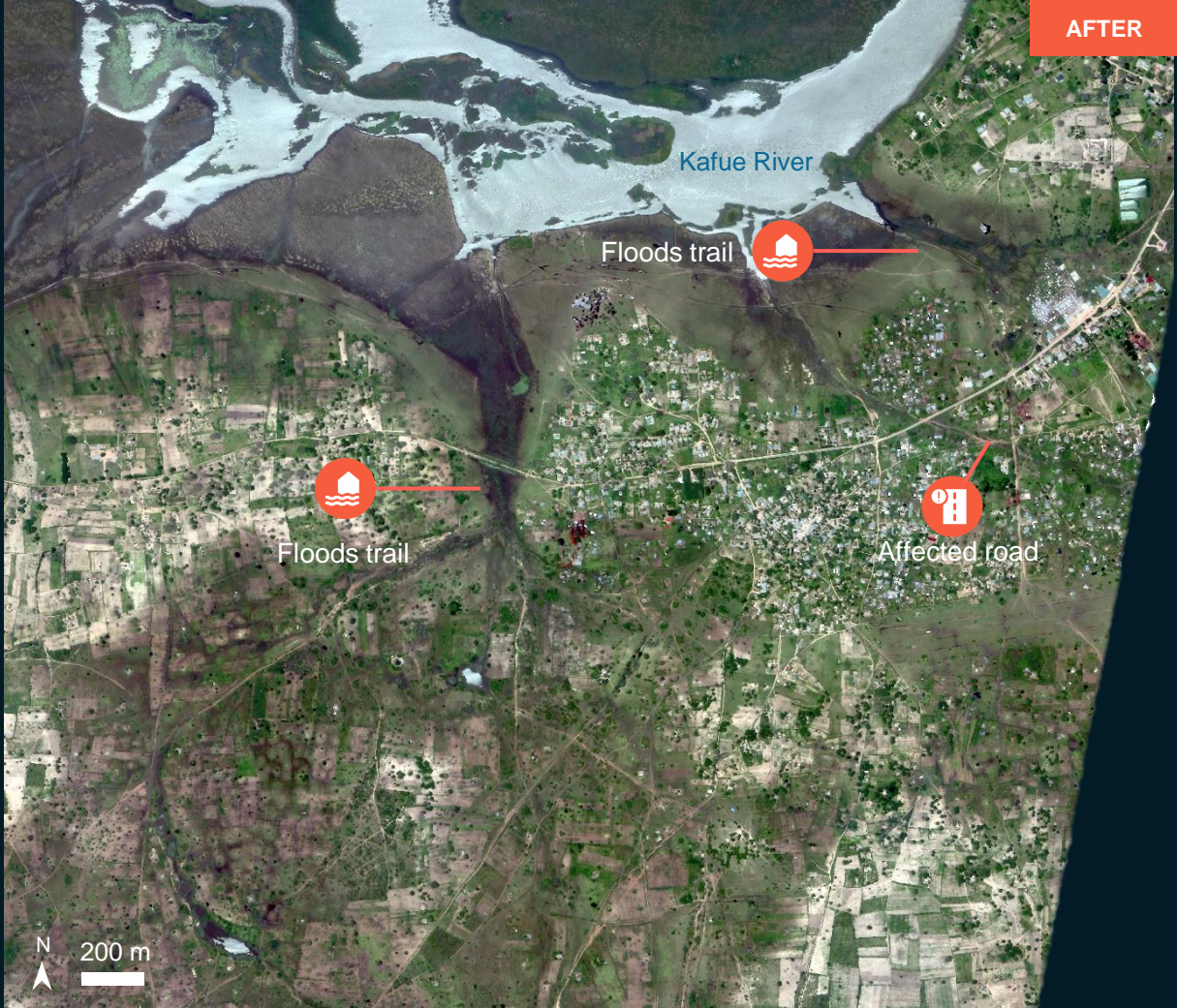
Floods trails and affected road

Image center:
26°25'5.824"E
15°45'44.855"S



BEFORE

Sentinel-2 / 3 Dec. 2022



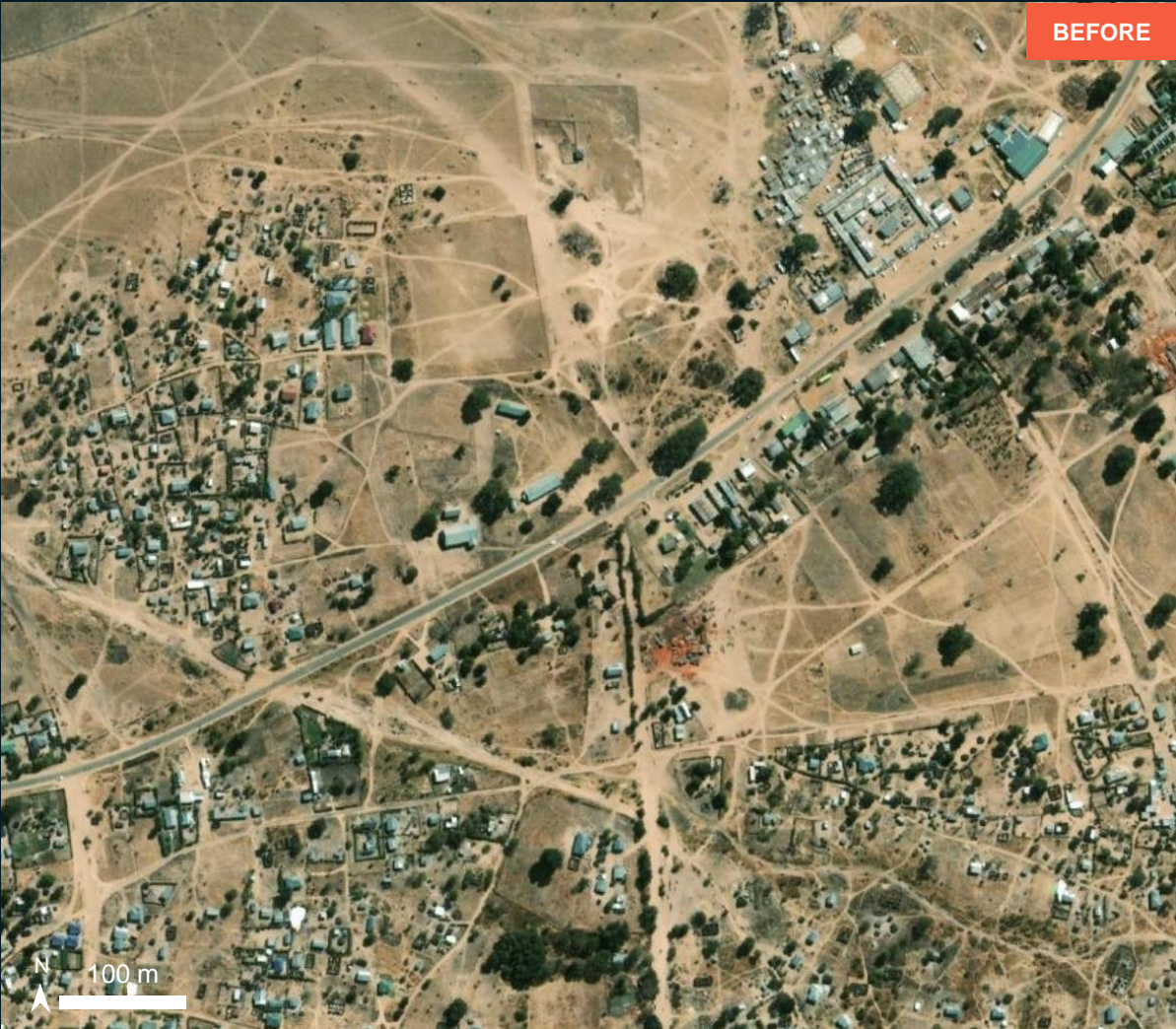
AFTER

Newsat/ 31 Jan. 2023

NAMWALA TOWN, NAMWALA DISTRICT, SOUTHERN PROVINCE

Affected structures and affected roads

Image center:
26°25'51.006"E
15°45'32.169"S



Sentinel-2 / 3 Dec. 2022

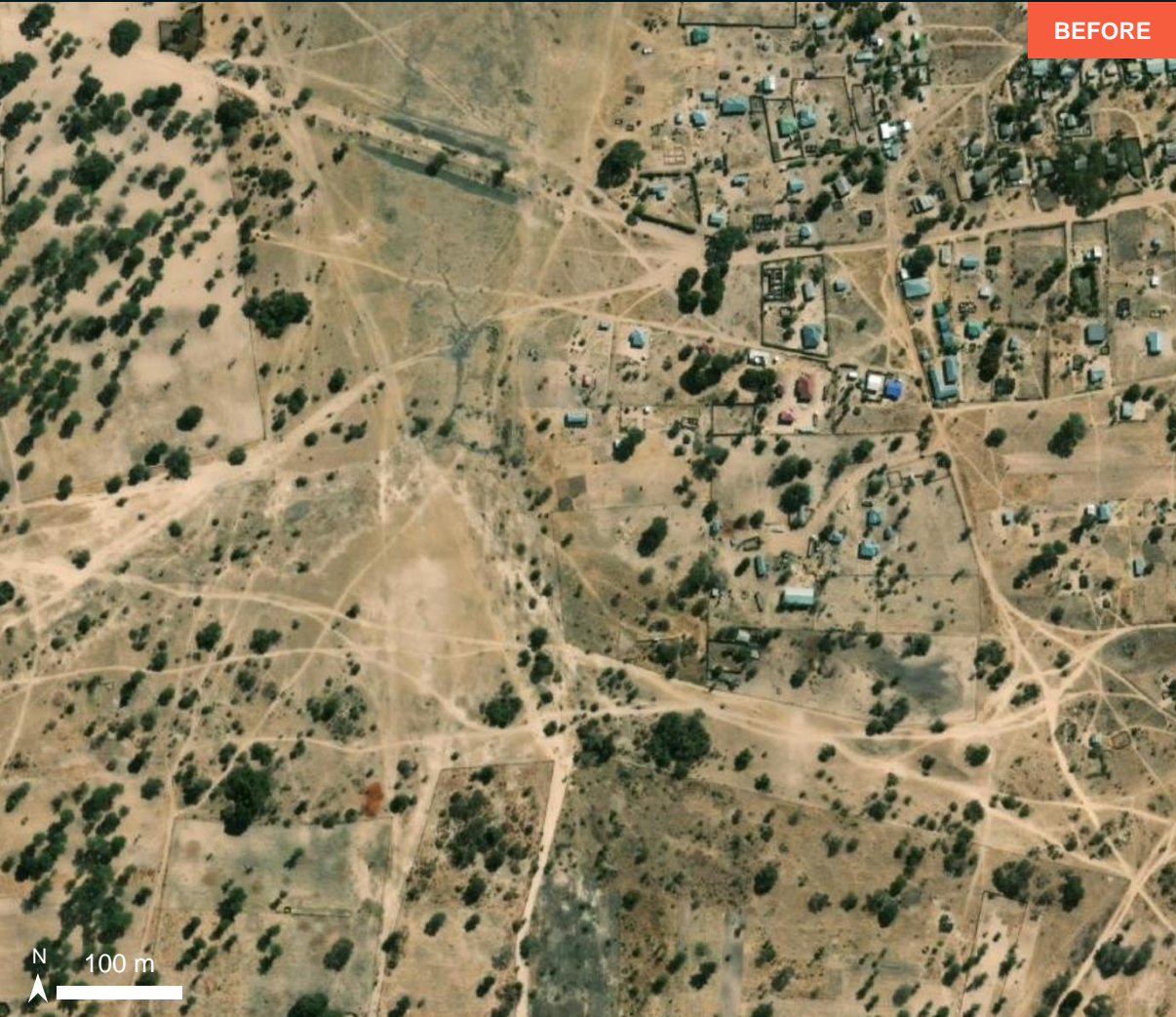


Newsat/ 31 Jan. 2023

NAMWALA TOWN, NAMWALA DISTRICT, SOUTHERN PROVINCE

Floods trail and affected structures

Image center:
26°24'54.073"E
15°45'53.021"S



Sentinel-2 / 3 Dec. 2022



Newsat/ 31 Jan. 2023

SUMMARY OF FINDINGS

- Flood waters along the Bahr Nzili and Kafue River observed as of 31 Jan. 2023;
- Affected structures in Namwala Town, Namwala District, Southern Province observed as of 31 Jan. 2023;
- Affected roads in Namwala Town, Namwala District, Southern Province observed as of 31 Jan. 2023;

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Data sources:

(1) Satellite Image (Post-event)

Newsat : 31 Jan 2023 at 11:18 UTC

Resolution: 0.7 m

Copyright: © Satellogic (2023) Map produced by National Remote Sensing Centre, ISRO

Source: Satellogic

(2) Satellite Image (Pre-event)

Sentinel-2 : 3 Dec 2022 at 08:12 UTC

Resolution: 10 m

Copyright: Contains modified Copernicus Sentinel data [2023]

Source: ESA

(3) Ancillary data

Administrative boundaries: Disaster Management and Mitigation Unit (DM MU) Zambia
Analysis: UNITAR-UNOSAT

Production: UNITAR-UNOSAT



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