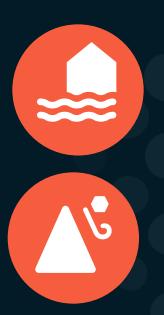




8 May 2023

PRELIMINARY SATELLITE-FLOOD AND LANDSLIDE **ASSESSMENT REPORT**

Rutsiro and Karongi Districts, Western Province, Rwanda





Status: Landslides and affected structures and affected transportation network observed

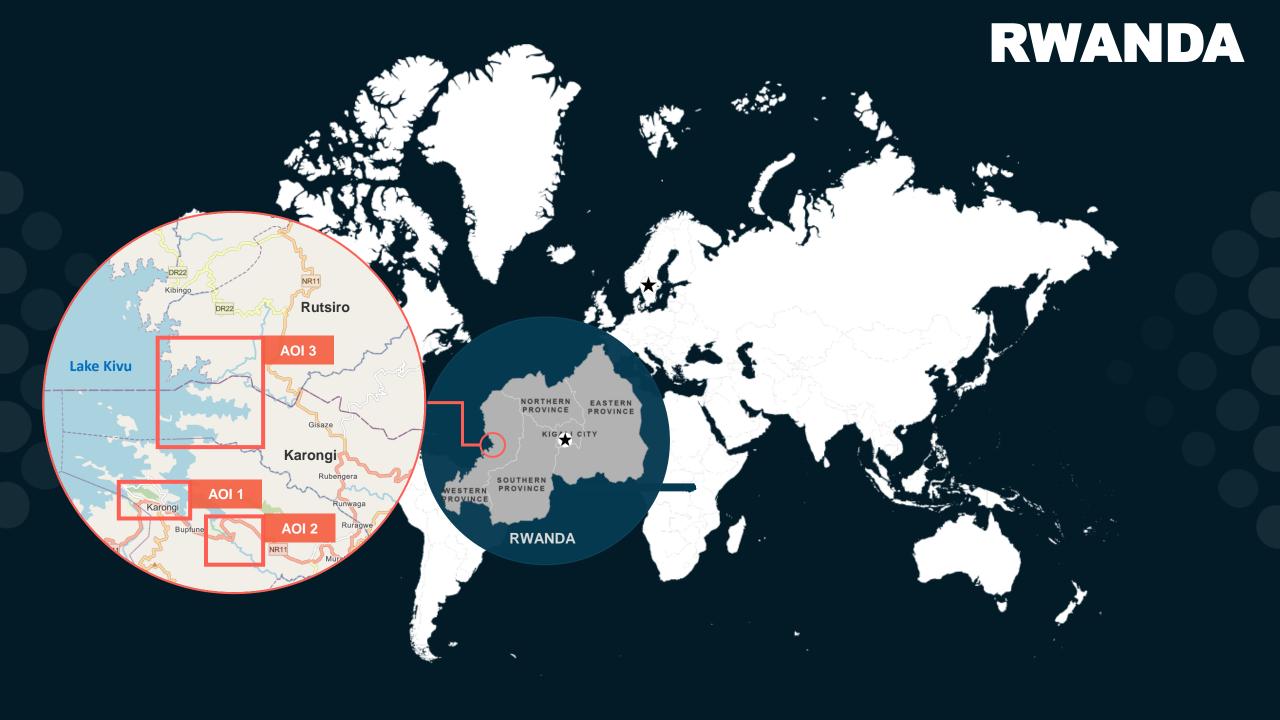


Further action(s): continue monitoring











AOI 1-1 KARONGI TOWN, KARONGI DISTRICT, WESTERN PROVINCE

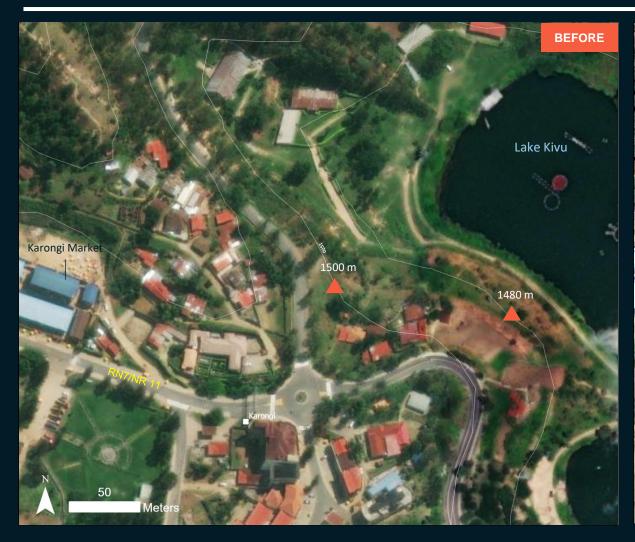
Affected road

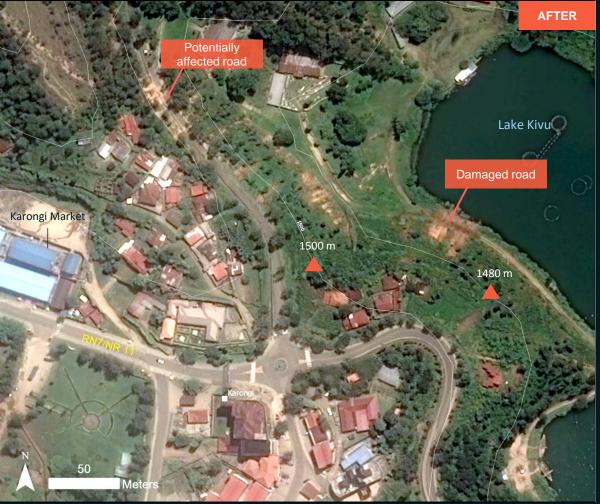
Image center:

2°04'11.1"S 29°21'10.7"E







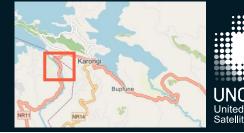


AOI 1-2 KARONGI TOWN, KARONGI DISTRICT, WESTERN PROVINCE

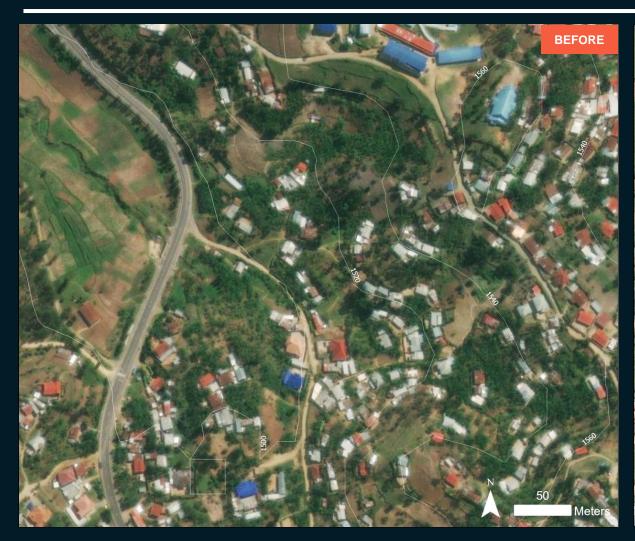
Potentially affected structures

Image center:

2°04'20.9"S 29°20'43.0"E









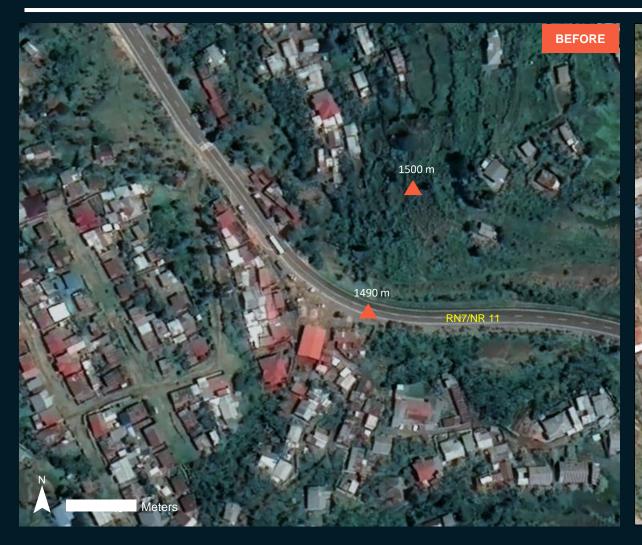
AOI 1-3 BUPFUNE VILLAGE, KARONGI DISTRICT, WESTERN PROVINCE

Image center: 2°04'41"S 29°21'43"E





Affected road and affected structures







AOI 2-1 ALONG NYABAHANGA RIVER, KARONGI DISTRICT, WESTERN PROVINCE

Image center: 2°05'25.7"S 29°22'59.4"E





Affected road and Potentially affected structures





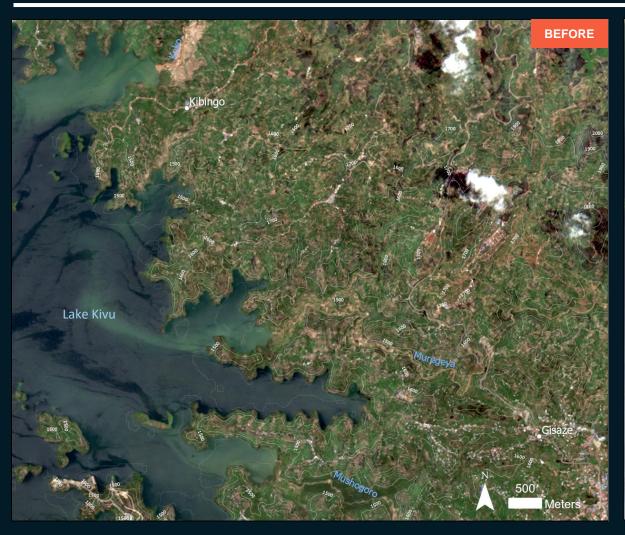
AOI 3 RUTSIRO AND KARONGI DISTRICTS, WESTERN PROVINCE

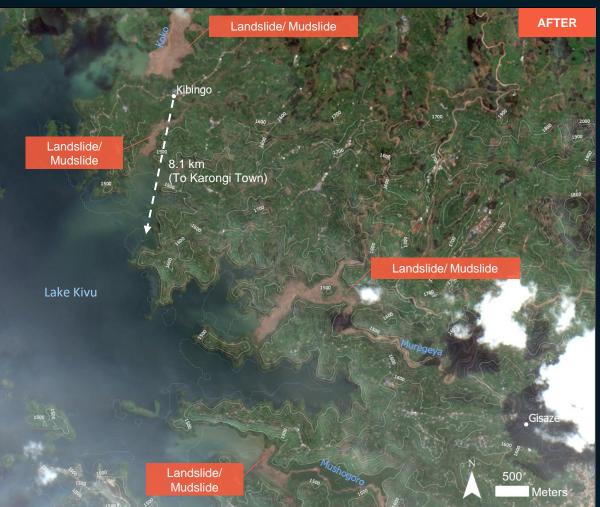
2°01'12.4"S 29°22'28.0"E





Landslides along the Koko, Muregeya, and Mushogoro rivers





SUMMARY OF FINDINGS



- Landslides /mudslides and washed away area observed along the Nyabahanga River in Karongi District, and along Koko, Muregeya, and Mushogoro rivers in Rutsiro Western Province as of 7 May 2023;
- Damaged roads and affected structures by landslide/mudslide observed in Karongi Town, Karongi District,
 Western Province as of 7 May 2023;
- Damaged roads and affected structures by landslide/mudslide observed in Bupfune Village, Karongi District,
 Western Province as of 7 May 2023;
- Damaged roads and affected structures by landslide/mudslide observed along the Nyabahanga River in Karongi District, Western Province as of 7 May 2023.

NOTE: This is a preliminary analysis and has not yet been validated in the field.

COPYRIGHTS AND SOURCES



Data sources:

(1) Satellite Images (Post-event)

Satellite Data : Pleiades Imagery Date : 7 May 2023

Resolution: 50 cm

Copyright: CNES (2023), distribution Airbus D&S

Source : Airbus DS

(2) Satellite Images (Post-event)

Satellite Data: Sentinel-2 Imagery Date: 7 May 2023

Resolution: 10 m

Copyright: Contains modified Copernicus Sentinel data [2023]

Source: ESA

(3) Satellite Images (Pre-event)

Satellite Data : Sentinel-2

Imagery Date: 8 March 2023

Resolution: 10 m

Copyright: Contains modified Copernicus Sentinel

data [2023] Source : ESA

(4) Satellite Images (Pre-event)

ESRI Basemap Google Earth (5) Ancillary data

Administrative boundaries: National Institute of Statistics of Rwanda (NISR)

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