23 March 2023

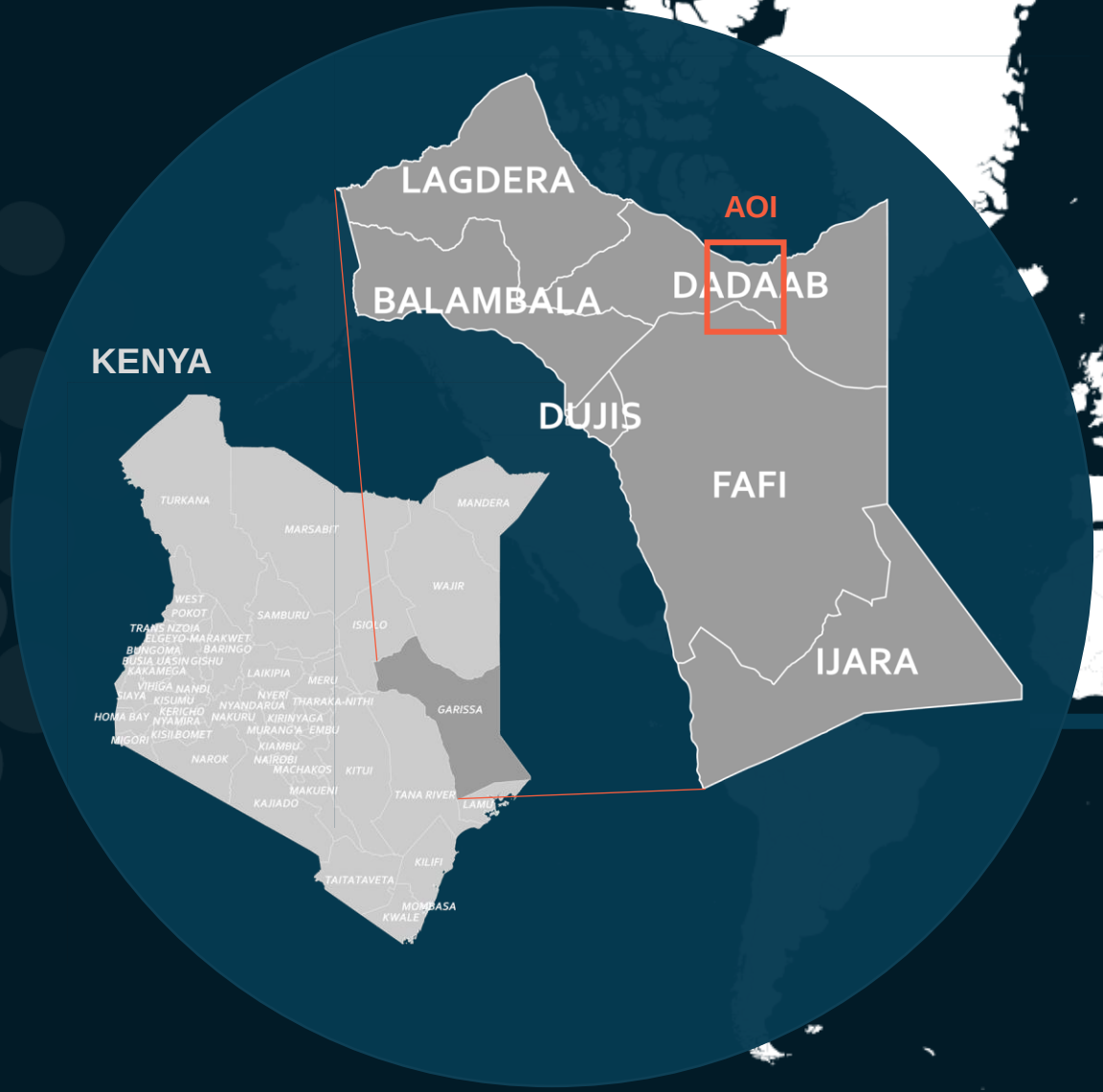
PRELIMINARY SATELLITE-FLOOD ASSESSMENT REPORT

Dadaab Refugee Camp, Kenya

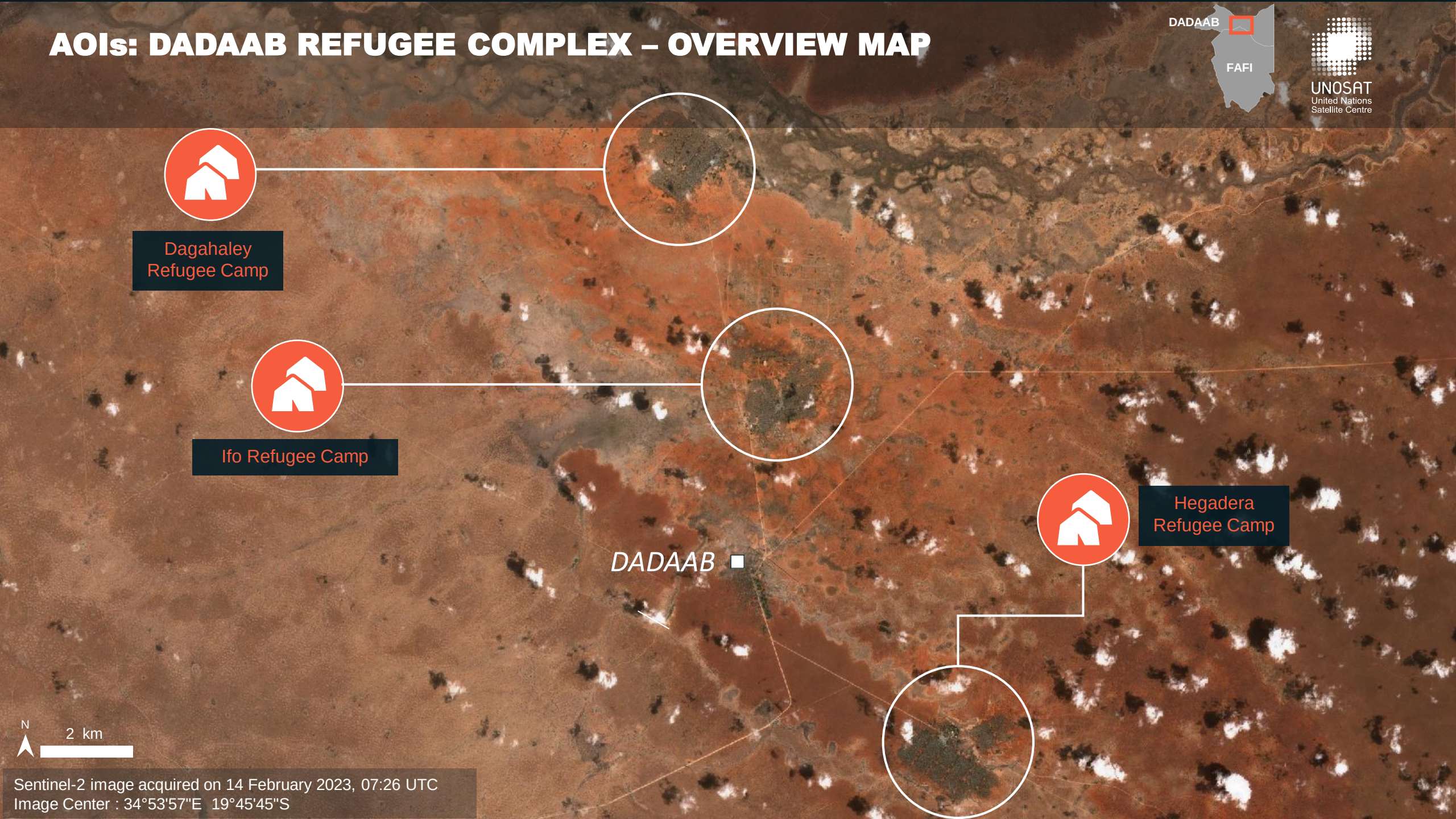
Status: Increased water extent observed

Further action(s): continue monitoring

KENYA


LAGDERA
AOI
BALAMBALA
DADAAB
KENYA
DUJIS
FAFI
IJARA
TURKANA
MANDERA
MARSABIT
WAJIR
WEST POKOT
SAMBURU
ISIOLO
TRANS NZOIA
ELGEYO-MARAKWET
BUNGOMA
BARINGO
BUSIA
UASIN GISHU
KAKAMEGA
LAIKIPIA
MERU
VIHIGA
NANDI
KISUMU
NYERI
THARAKA-NITHI
SIAYA
NYANDARUA
GARISSA
KERICHO
NAKURU
KIRINYAGA
HOMA BAY
NYAMIRA
MURANG'A
EMBU
KISII
BOMET
KIAMBU
NAROK
NAIROBI
MACHAKOS
KITUI
MAKUENI
TANA RIVER
KAJIADO
LAMU
KILIFI
TAITATAVETA
MOMBASA
KWALE

AOIs: DADAAB REFUGEE COMPLEX – OVERVIEW MAP



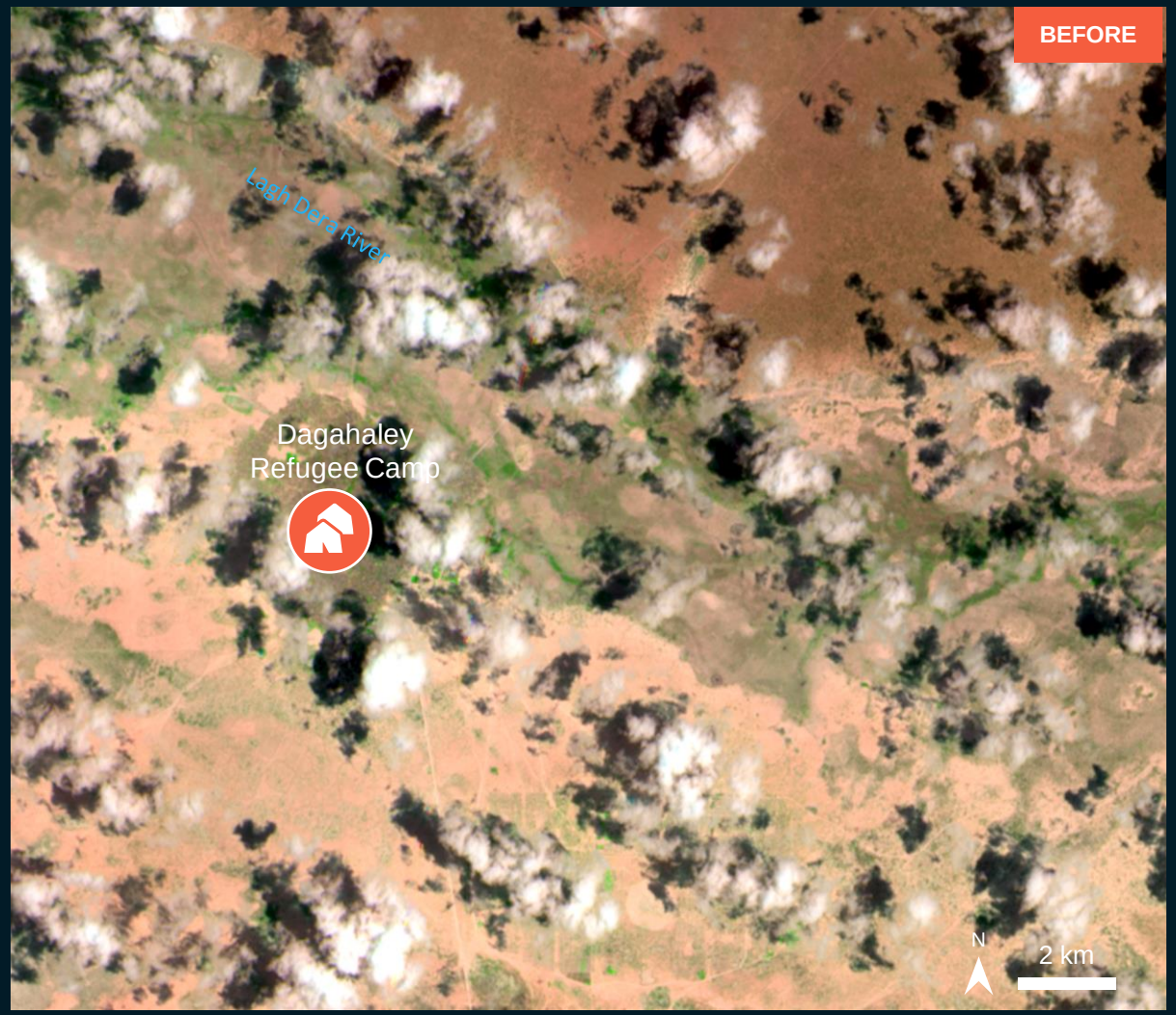
AOI 1 – 1: Dagahaley Refugee Camp, Dadaab sub-county, Garissa county

Dagahaley Refugee Camp covered by clouds and increased water along Lagh Dera River north of Dadaab

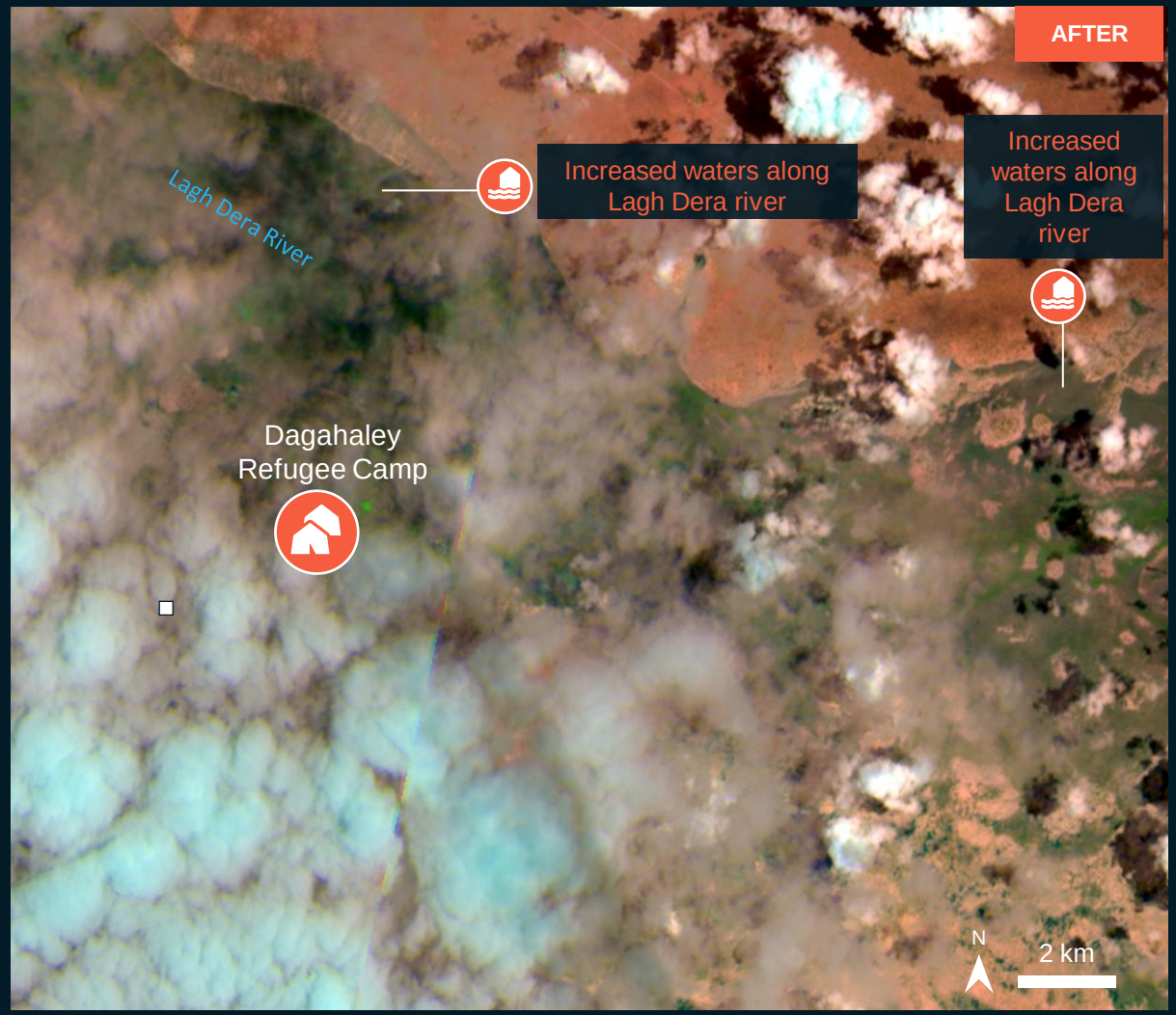
Image center:
0°11'11.1"N
40°17'13.6"E



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Sentinel-2 / SWIR / 1 March 2023



Sentinel-2 / SWIR / 21 March 2023

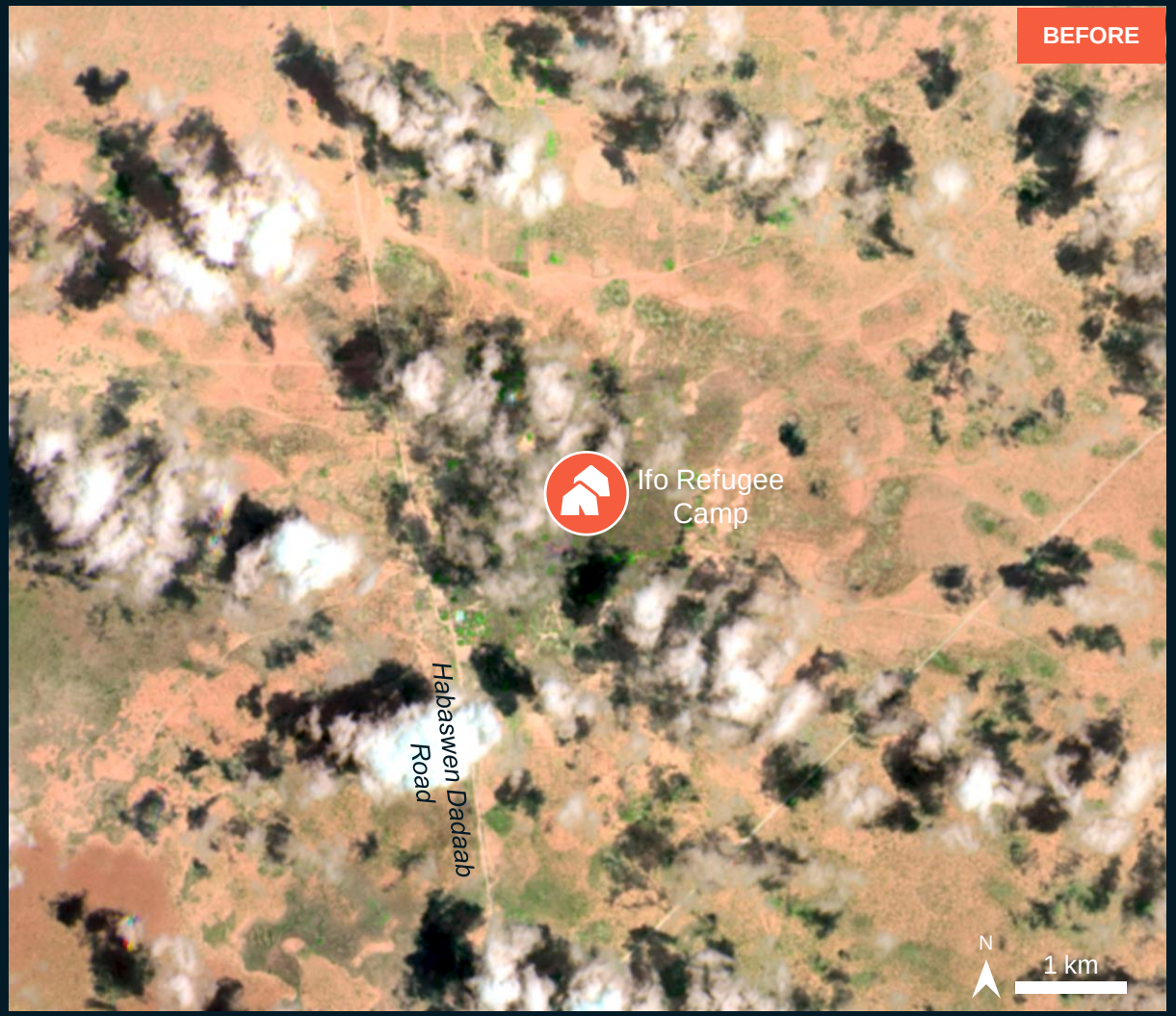
AOI 1 – 2: Ifo Refugee Camp, Dadaab sub-county, Garissa county

Cloud covered

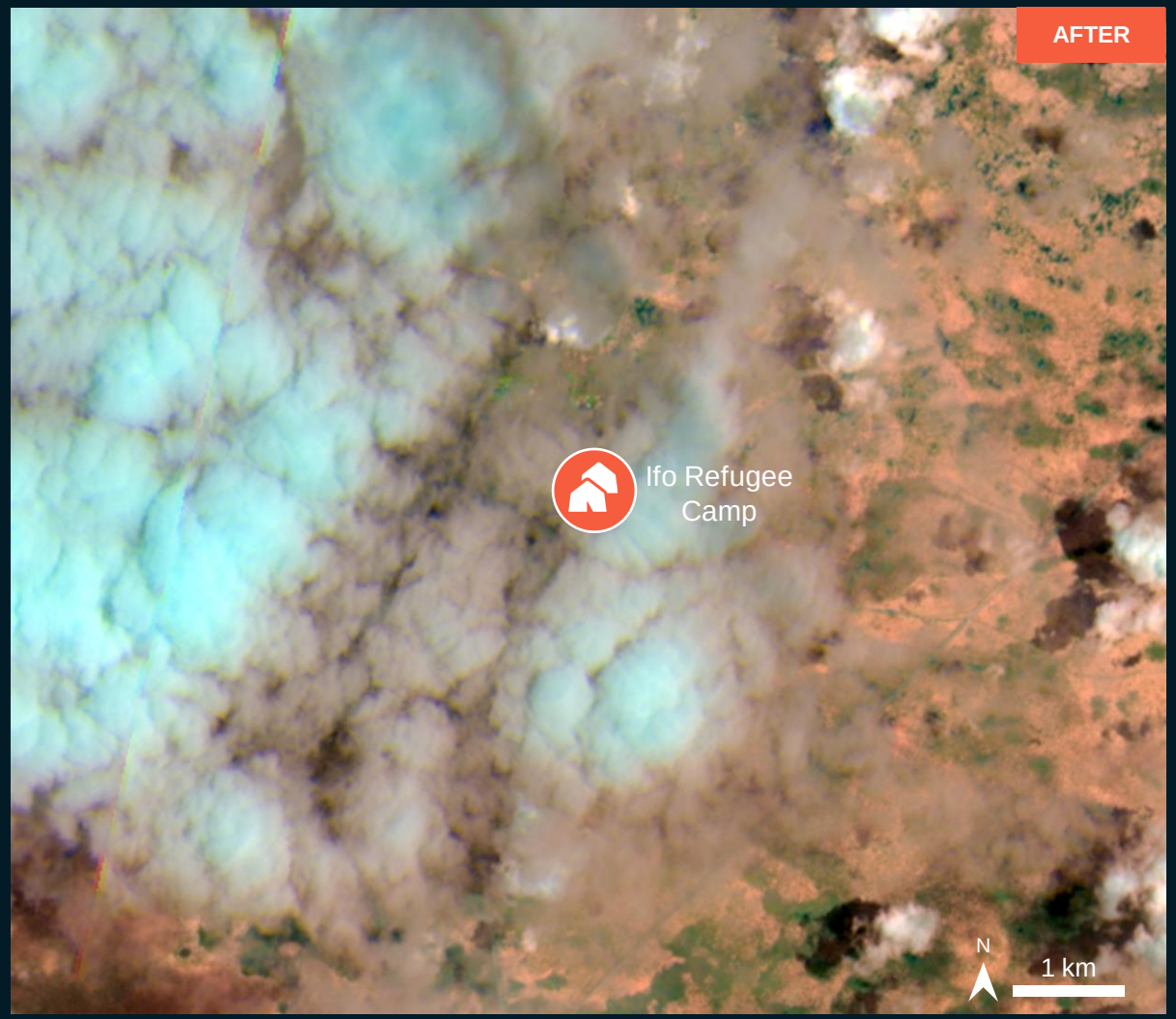


Image center:
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40°19'10.3"E

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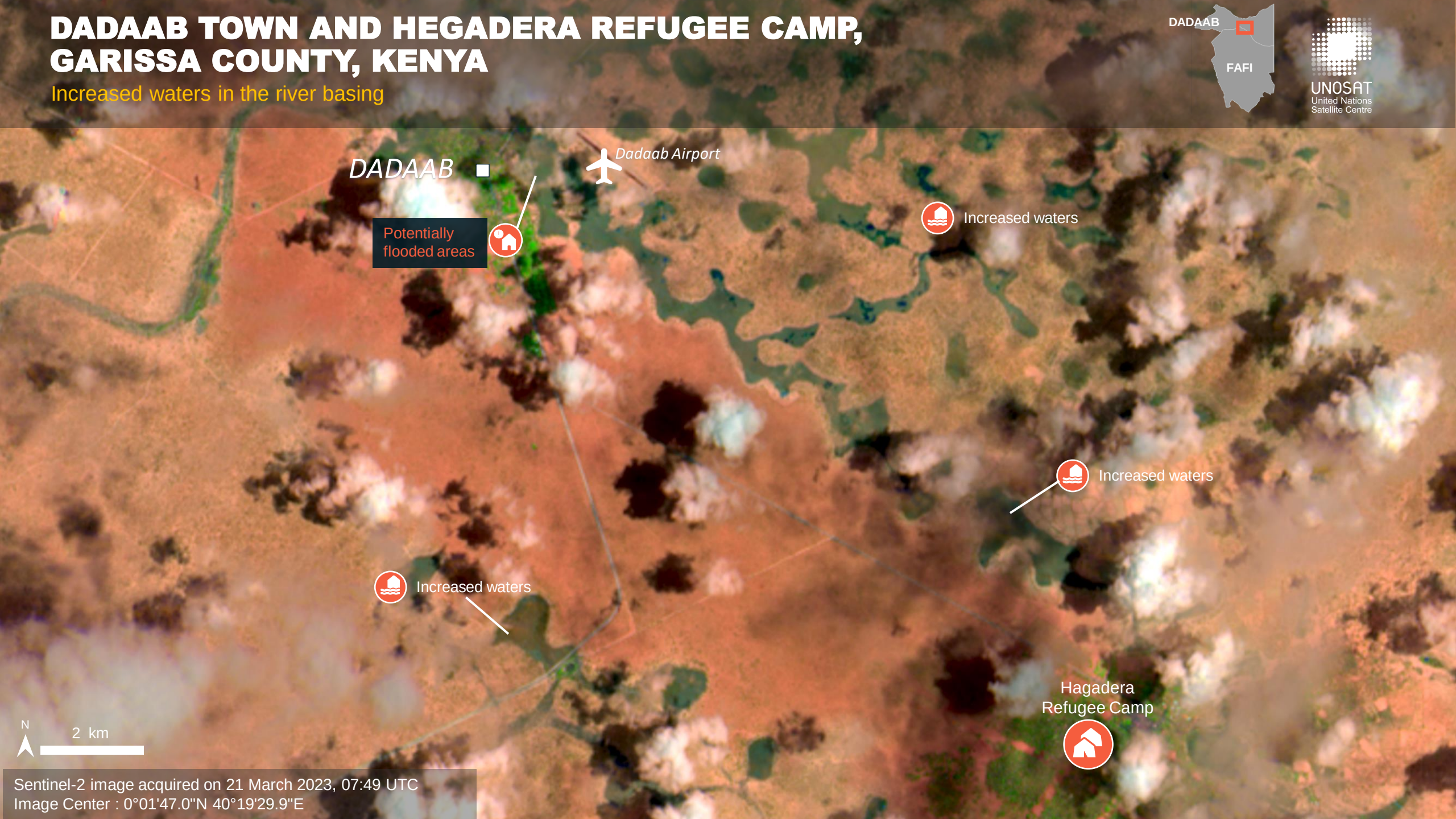
Sentinel-2 / SWIR / 1 March 2023



Sentinel-2 / SWIR / 21 March 2023

DADAAB TOWN AND HEGADERA REFUGEE CAMP, GARISSA COUNTY, KENYA

Increased waters in the river basing



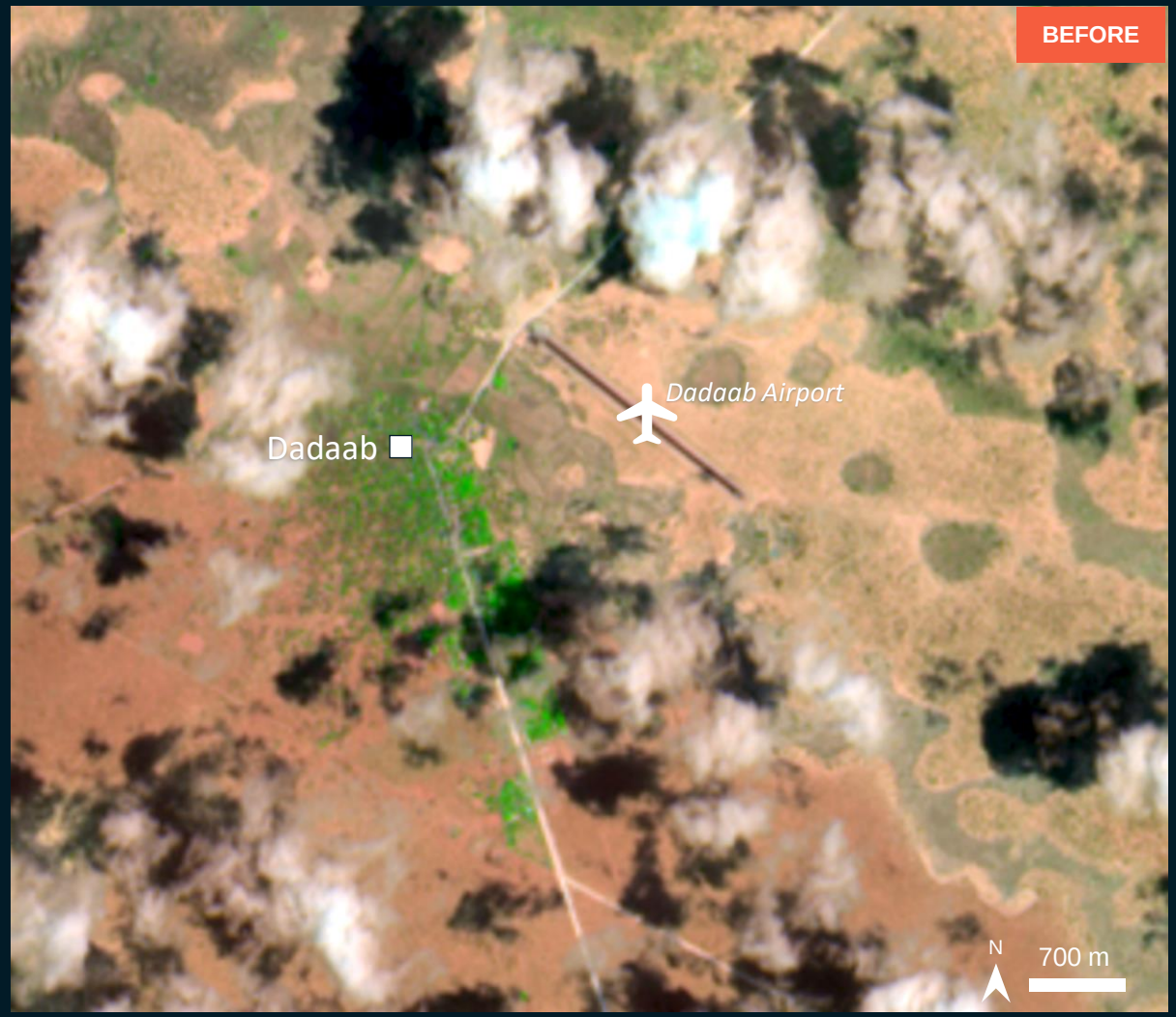
AOI 1 – 3: Dadaab Town, Dadaab sub-county, Garissa County

Increased waters and potentially flooded areas in Dadaab town

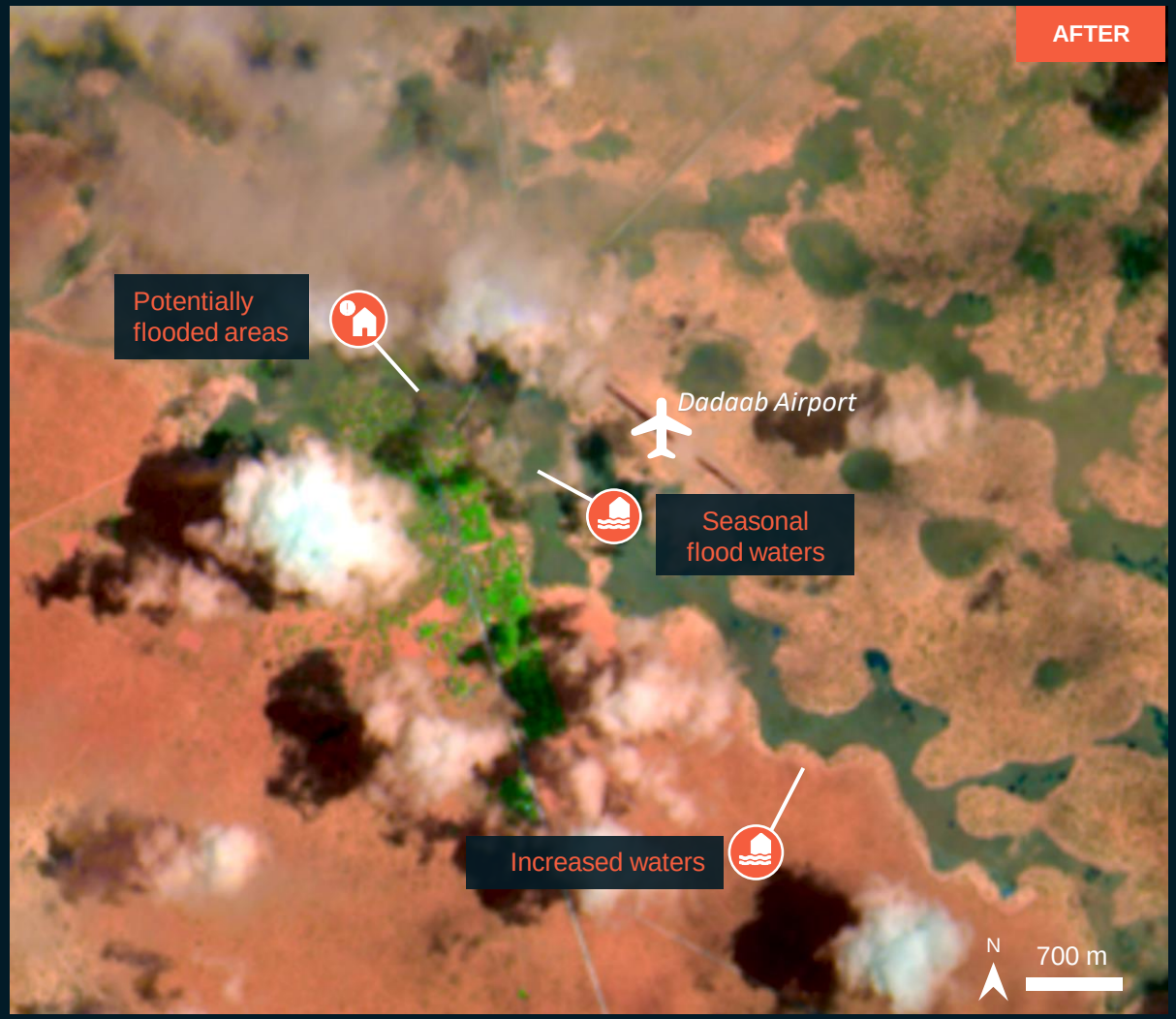


Image center:
0°03'20.8"N
40°18'47.3"E

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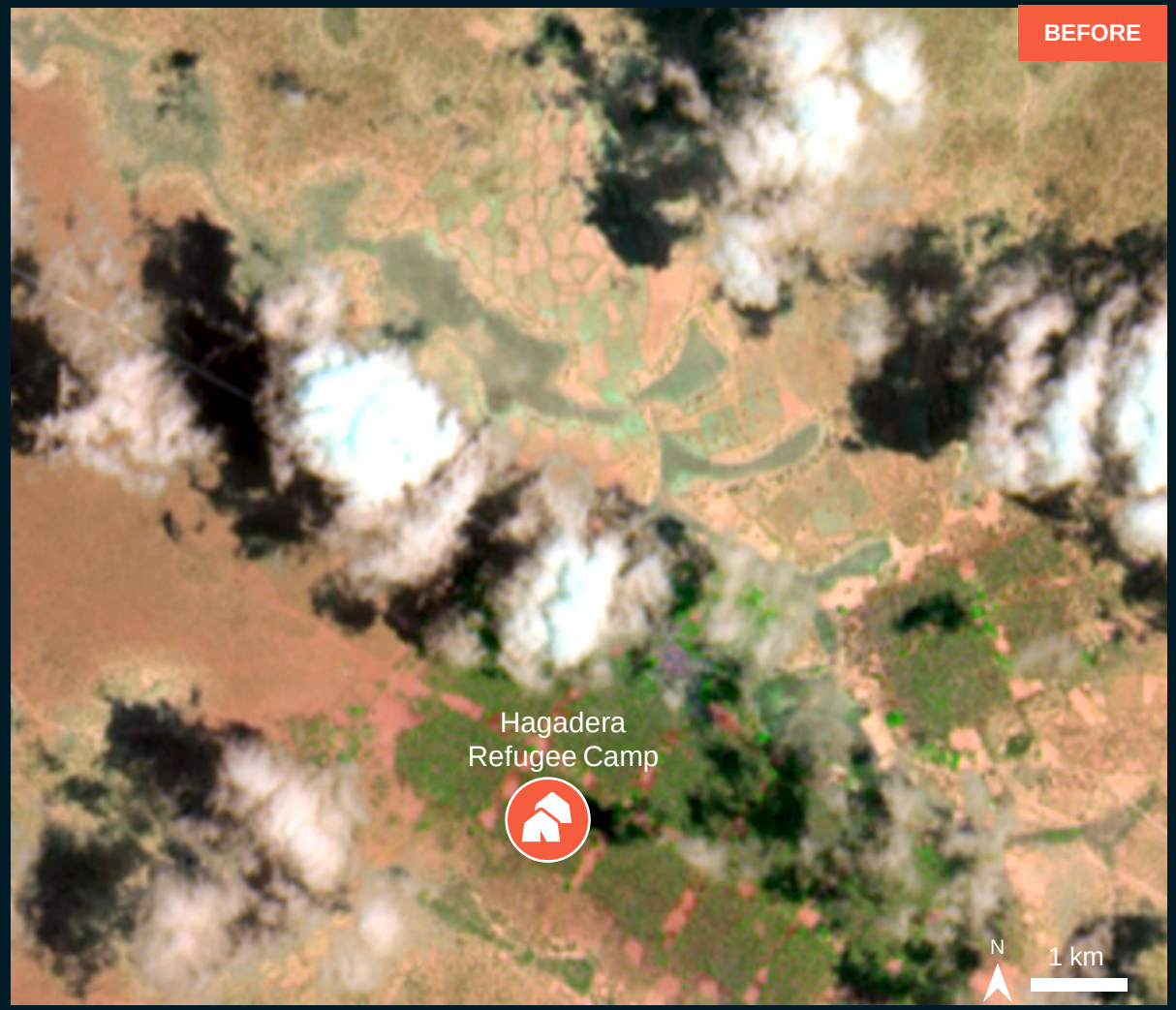
AOI 1 – 4: Hagadera Refugee Camp, Fafi sub-county, Garissa county

Increased waters along the river basin

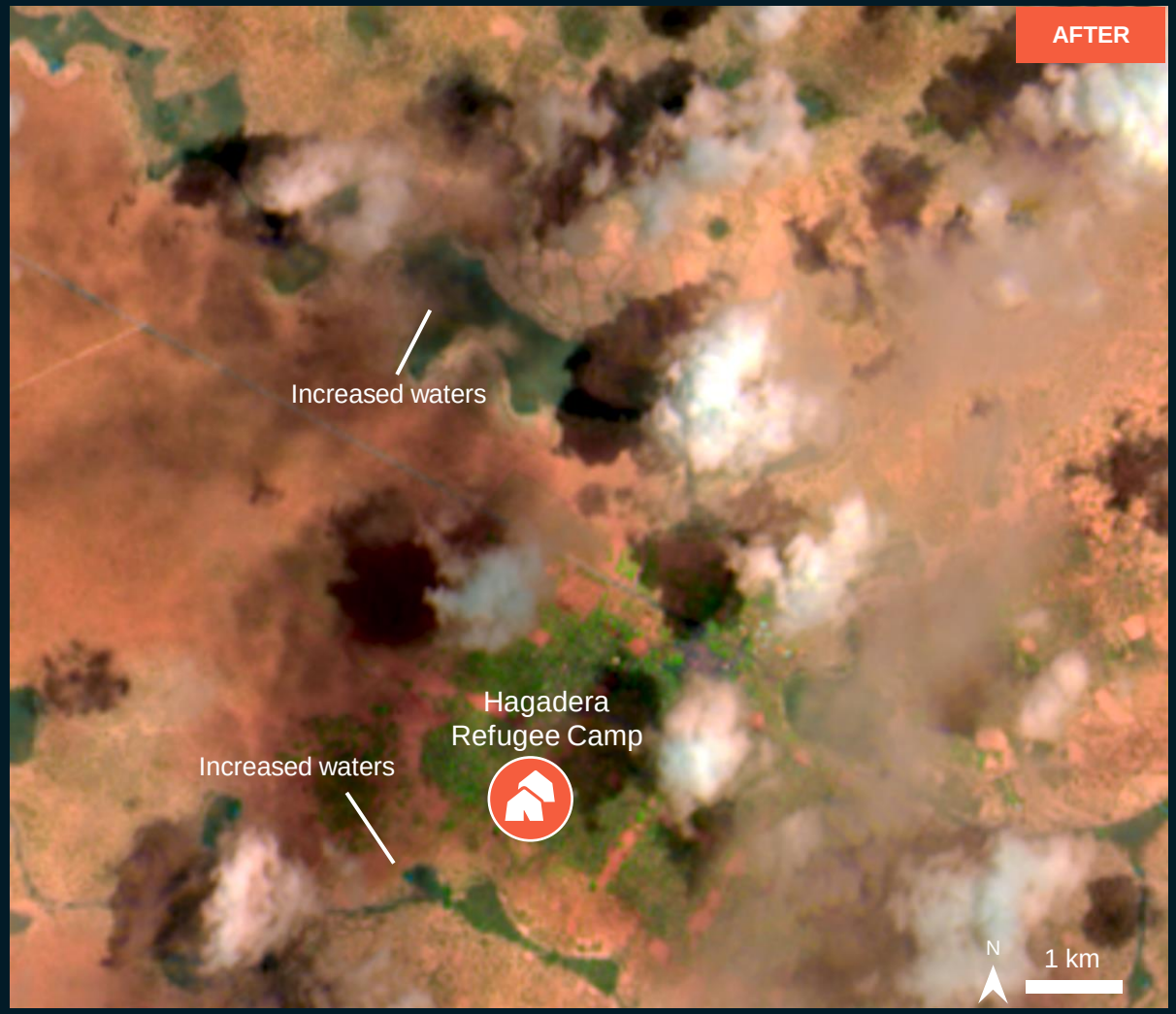
Image center:
0°01'03.9"N
40°20'47.8"E



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Sentinel-2 / SWIR / 21 Mar. 2023

SUMMARY OF FINDINGS

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- Increased water observed along Lagh Dera River in the vicinity of Dagahaley Refugee Camp as of 21 March 2023;
- Cloud cover over Dagahaley and Ifo Refugee Camp as of 21 March 2023;
- Potentially flooded areas observed in Dadaab town as of 21 March 2023;
- Increased water in the whole river basin observed around the Dadaab Refugee Complex as of 21 March 2023.

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

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Data sources:

(1) Satellite Image (Post-event)
Satellite : Sentinel-2
Acquisition date : 21 March 2023
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2022]
Source: ESA

(2) Satellite Image (Pre-event)

Satellite : Sentinel-2
Acquisition date : 1 March 2023
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2022]
Source: ESA

(3) Ancillary data

Administrative boundaries: OCHA Regional Office for Southern and Eastern Africa (ROSEA)

Analysis: United Nations Satellite Centre (UNOSAT)
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