



04 MAY 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT IN BARDHERE AND BELETWEYNE TOWN, SOMALIA

STATUS: NO FLOOD DETECTED WITHIN THE TOWN

FURTHER ACTION(S): CONTINUE MONITORING



OVERVIEW / BASED ON AOIs ASSESSED

Date of assessment validity:

Impact and severity*:

- undetected
- limited impact potentially detected
- significant impact potentially detected

Data sources:

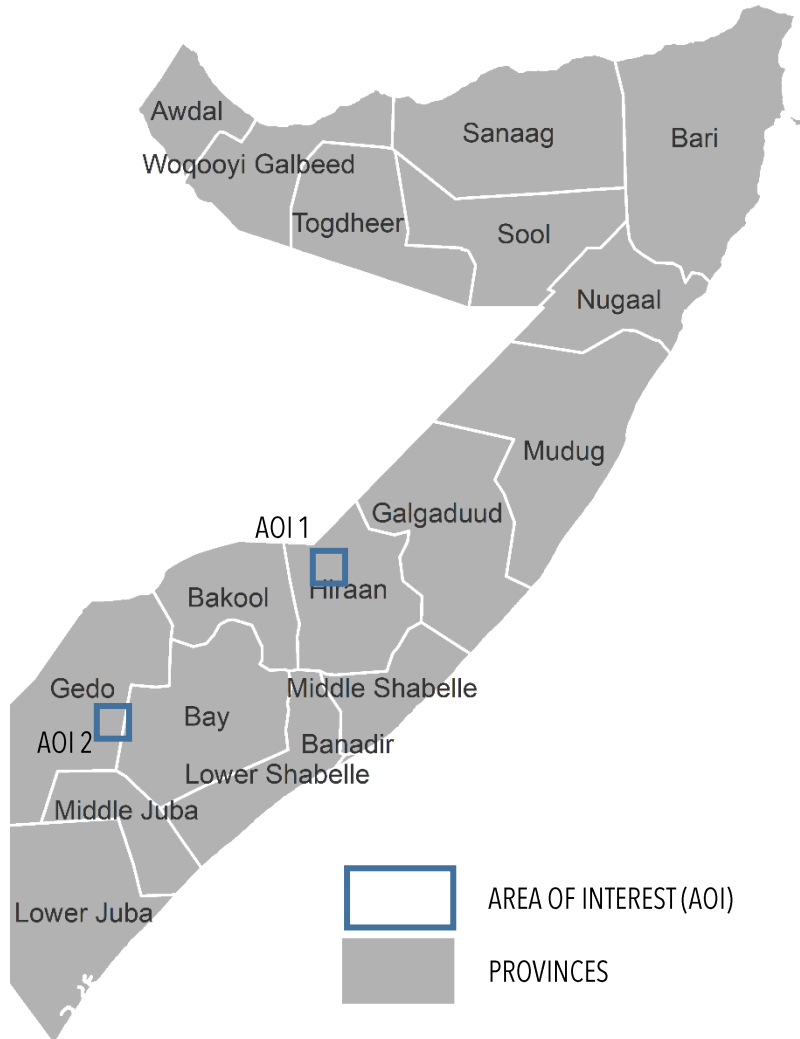
(1) pre-event (reference) image:
 Bing (2020)
 WorldView-3, 01 March 2020, (2020) DigitalGlobe,
 Source: USGS/HDDS
 (2) post-event images:
 Pleiades, 03 - 04 May 2020, CNES (2020),
 distribution Airbus D&S
 (3) baseline data

- administrative boundaries: OCHA

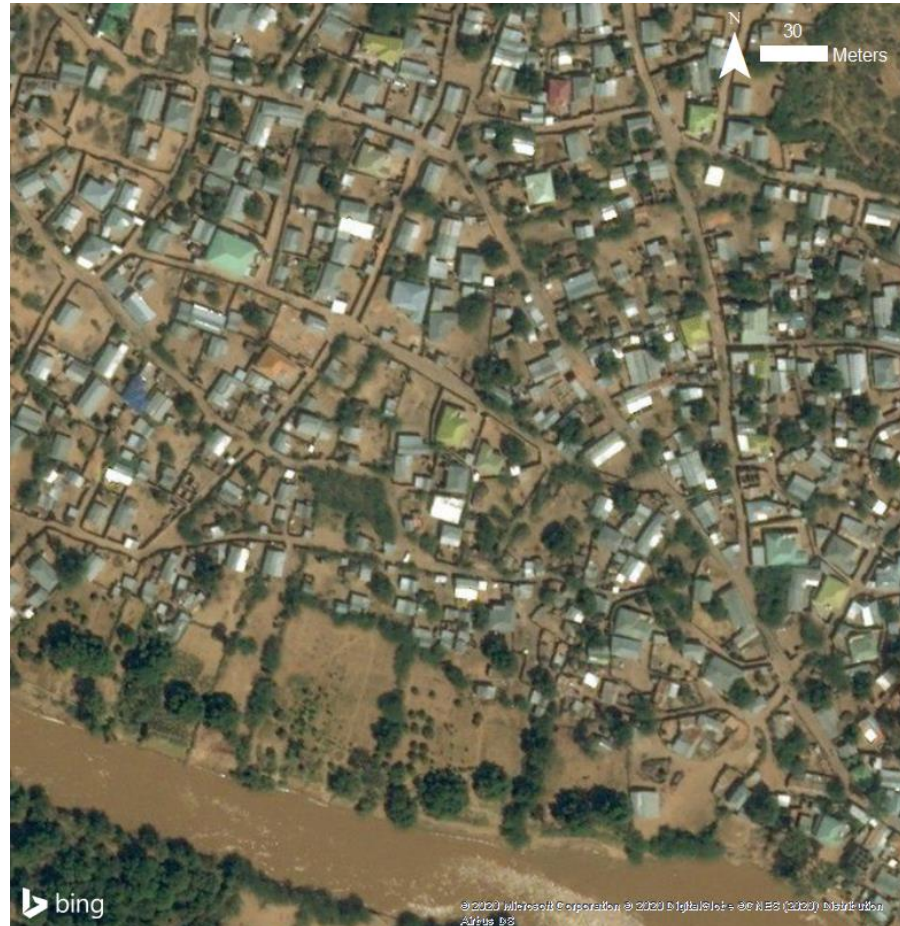
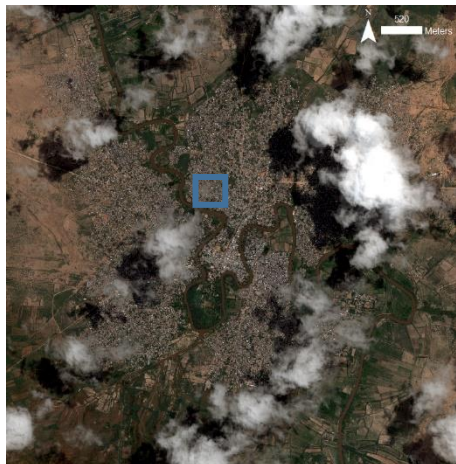
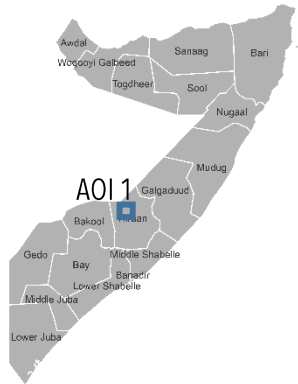
Potentially affected elements at risk (indicate all that are applicable):

- buildings - residential
- buildings - commercial/industry
- vulnerable structures (e.g. schools, hospitals, water, sanitation, power stations, etc.)
- internally displaced persons (IDP) camps
- transportation network
- agriculture
- other:

* disclaimer (i.e. assessment has yet to be validated with field-based information)



AOI 1 RADAR NEIGHBORHOOD, BELETWEYNE DISTRICT, HIRAAN REGION, SOMALIA / SATURATED SOIL

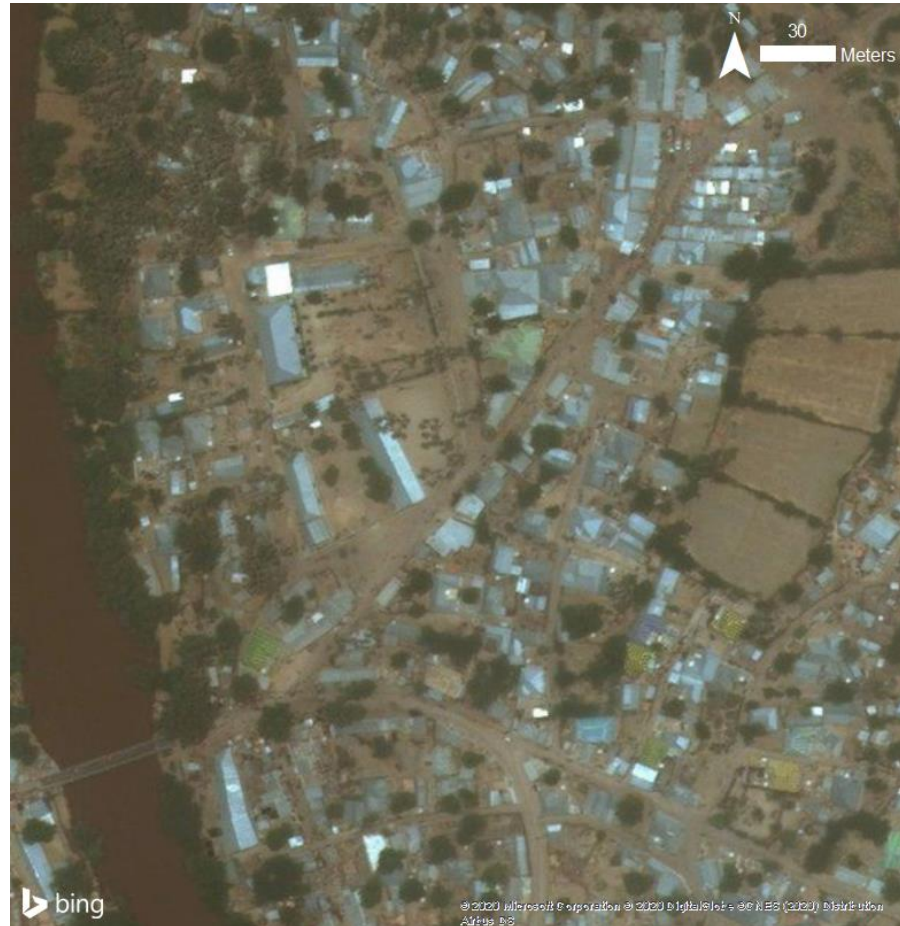
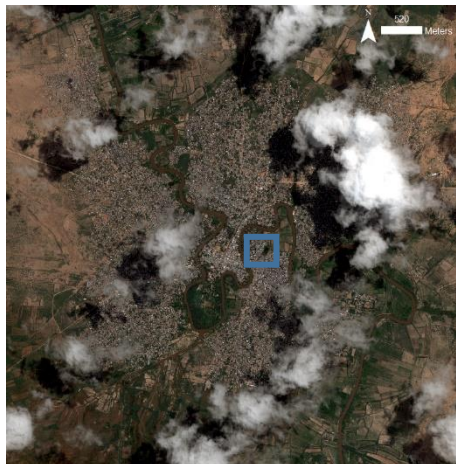
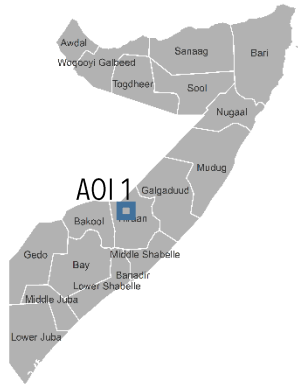


BING Base Map (pre-event)



PLEIADES / 04 MAY 2020

AOI 1 BUNDAWEYN NEIGHBORHOOD, BELETWEYNE DISTRICT, HIRAAN REGION, SOMALIA / SATURATED SOIL

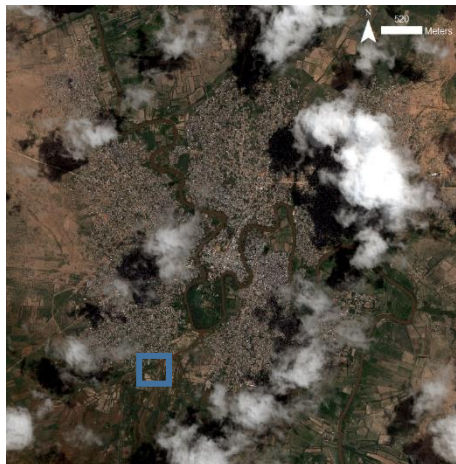
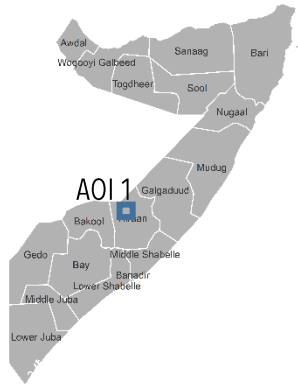


BING Base Map (pre-event)



PLEIADES / 04 MAY 2020

AOI 1 BUNDAWEYN NEIGHBORHOOD, BELETWEYNE DISTRICT, HIRAAN REGION, SOMALIA / INCREASED WATER LEVEL

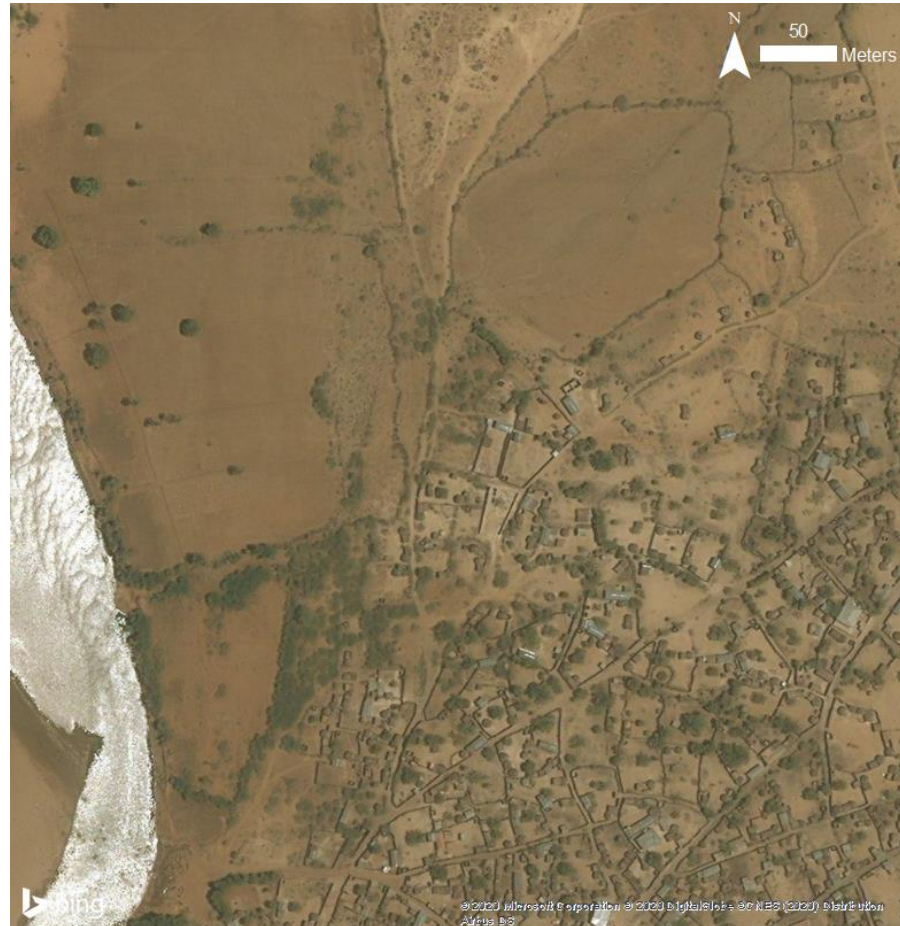
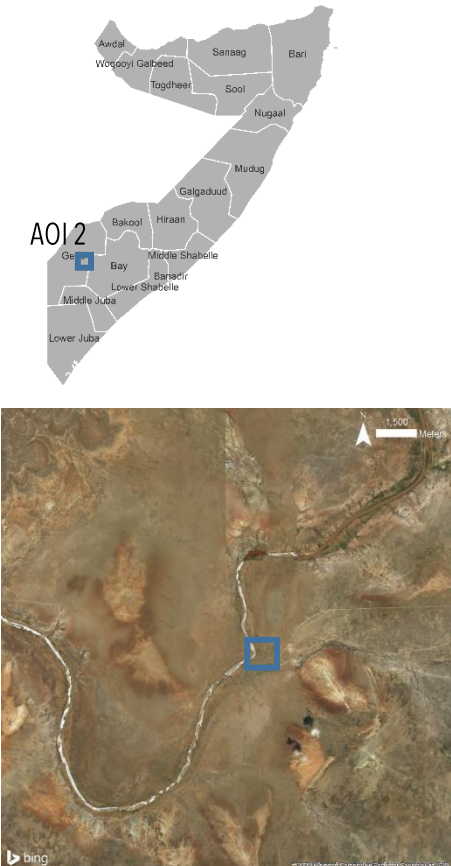


BING Base Map (pre-event)



PLEIADES / 04 MAY 2020

AOI 2 BARDHERE DISTRICT, GEDO REGION, SOMALIA / INCREASED WATER LEVEL & NO FLOODS IN URBAN AREAS



BING Base Map (pre-event)



PLEIADES / 04 MAY 2020

AOI 2 BARDHERE DISTRICT, GEDO REGION, SOMALIA / SATURATED SOIL & NO FLOODS IN URBAN AREAS



WORLDVIEW-3 / 01 MARCH 2020



PLEIADES / 03 MAY 2020

AOI 2 BARDHERE DISTRICT, GEDO REGION, SOMALIA / INCREASED WATER LEVEL & NO FLOODS IN URBAN AREAS



WORLDVIEW-3 / 01 MARCH 2020



PLEIADES / 04 MAY 2020

AOI 2 BARDHERE DISTRICT, GEDO REGION, SOMALIA / NO FLOODS IN URBAN AREAS



WORLDVIEW-3 / 01 MARCH 2020



PLEIADES / 03 MAY 2020



SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 04 May 2020

Preliminary observations, impact and severity *:

AOI1:

- Increase of river level affecting some agricultural fields along the Shabelle as of 04 May 2020;
- Saturated wet soils detected in some streets of Beletweyne as of 04 May 2020;
- No floods detected in the cloud free zones over Beletweyne town as of 04 May 2020.

AOI2:

- Increase of river level affecting some agricultural fields in the vicinity of Jubba river as of 04 May 2020;
- No flood waters detected in the cloud free zones over Bardhere as of 04 May 2020.

Further/ anticipated actions from UNOSAT:

- no impact detected/ discontinue monitoring over specific AOI
- potential impact detected continue monitoring over specific AOIs full assessment to be conducted
- more data and/ or information needed to confirm impact severity
- 1 & 2

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