27 NOVEMBER 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT IN THE SEENAG, BARI, SOOL, NUGAAI AND TOGDLER REGIONS, SOMALIA

STATUS: FLOODS OBSERVED

FURTHER ACTION(S): CONTINUE MONITORING
OVERVIEW / BASED ON AOIs ASSESSED

Date of assessment validity: 24 November 2020

Impact and severity*:
- undetected
- limited impact potentially
- significant impact potentially

Potentially affected elements at risk (indicate all that are applicable):
- buildings - residential
- buildings - commercial/
- vulnerable structures (e.g. schools, hospitals, water, sanitation, power
- internally displaced persons (IDP) camps
- transportation network
- agriculture
- other:

Data sources:
(1) Pre-event (reference) image: Sentinel-1 Imagery / 24 and 25 November 2020
(2) Post-event images: Sentinel-1 Imagery / 7 and 20 November 2020
Copyright: Contain modified Copernicus Sentinel Data [2020]
Source: ESA
(3) baseline data
Administrative boundaries of Honduras:

* disclaimer (i.e. assessment yet to be validated with field-based information)
AOI 1 ISKUSHUBAN DISTRICT, BARI REGION : FLOODS OBSERVED IN HURDIYO CITY

Image Center : 51°7'39.883"E 10°31'51.092"N

Legend:
- Water Extent
- Land/Trend
- Cloud
- Cloud shadow
- Vegetation

Sentinel-1/ 7 November 2020

2 km

Sentinel-1/ 24 November 2020

Potentially affected city
Increased water

AREA OF INTEREST (AOI)
AOI 2 CEERIGAABO DISTRICT, SANAAG REGION: NO FLOODS OBSERVED IN HADAAMTIMO CITY

Image Center:
48°52'6.807"E
10°44'37.498"N

Legend:
- Water Extent
- Land/Tundra
- Cloud
- Shadow
- Vegetation

Sentinel-1/ 20 November 2020
Sentinel-1/ 25 November 2020
AOI 3 CAYNABO DISTRICT, SOOL REGION: NO FLOODS OBSERVED IN CAYNABO CITY

Image Center:
46°24'3.08"E
8°56'53.996"N

Legend:
- Water Extent
- Land/Cotton
- Cloud
- Cloud shadow
- Vegetation
AOI 4 XUDUN AND LAAS CAANOOD DISTRICT, SOOL REGION: FLOODS OBSERVED IN THE NORTHERN PART OF LAASCAANOOD CITY

Image Center:
47°21'39.818"E 8°41'30.623"N

AREA OF INTEREST (AOI)

Legend:
- Water Extent
- Land/Trend
- Cloud
- Cloud shadow
- Vegetation

Sentinel-1/ 20 November 2020

Before

Increased water

Sentinel-1/ 25 November 2020

After
AOI 5 BURTINLE DISTRICT, NUGAAAL REGION: NO FLOODS OBSERVED IN BURTINLE CITY

Image Center:
47°50'52.611"E
7°40'6.48"N

AREA OF INTEREST (AOI)
SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 27 November 2020

Preliminary observations, impact and severity *:

• Floods observed nearby Huriyo city as of 24 November 2020;

• Floods observed north of Laas噶anood City as of 25 November 2020;

• No floods observed in Sanaagband Nugaal regions as of 25 November 2020.

Further/ anticipated actions from UNOSAT:

- potential impact detected
- continue monitoring over specific AOIs 
- full assessment to be conducted
- more data and/or information needed to confirm impact

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