24 JANUARY 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT IN GWEMBE DISTRICT, SOUTHERN PROVINCE, ZAMBIA

STATUS: Evidences of flood waters detected along the river. No major floods impacted directly urban areas.

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

Date of assessment validity: 24 January 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/industry
- 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: ArcGIS Basemap and Google Earth
(2) post-event images: Pleiades, 23 January 2020 © CNES (2020), Distribution Airbus DS
(3) baseline data
  • administrative boundaries: OCHA, ROSEA 2020

* disclaimer (i.e. assessment has yet to be validated with field-based information)
AOI 5 GWEMBE DISTRICT, SOUTHERN PROVINCE, ZAMBIA / PARTIALLY AFFECTED BY THE FLOODS

Partially affected by floods as of 23 January 2020

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:

Pléiades 23 January 2020 08:10 UTC
SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 24 January 2020

Preliminary observations, impact and severity *:

- Evidences of flood waters detected in the agricultural zone along the river.
- No flood observed in the urban area.

Further/ anticipated actions from UNOSAT:

- Potential impact detected
- Continue monitoring over specific AOI
- Full assessment to be conducted
- More data and/or information needed to confirm impact

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