31 AUGUST 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT
SANTCHOU, MENOUA DEPARTMENT, WEST REGION,
CAMEROON

STATUS: EVIDENCE OF FLOODS

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

Date of assessment validity: 31 AUGUST 2020

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

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,
- internally displaced persons (IDP) camps
- transportation network
- agriculture
- other:

Data sources:
(1) pre-event (reference) image:
   - WORLDVIEW2, 30 JAN 2019 [2020 Digital Globe]
(2) post-event images:
   - Pleiades, 30 AUG 2020 [CNES (2020), distribution Airbus D&S]
(3) baseline data
   - Administrative boundaries: OCHA Cameroon
   - Waterway: OSM

* disclaimer (i.e. assessment has yet to be validated with field-based information)
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON: AFFECTED AGRICULTURAL FIELDS

Image Center:
09°58'42.941"E
05°17'55.480"N

WORLDVIEW-2 / 30 JANUARY 2019

PLEIADES / 30 AUGUST 2020
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON: AFFECTED AGRICULTURAL FIELDS
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON: AFFECTED AGRICULTURAL FIELDS
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON : FLOOD DETECTED

Image Center:
09°58’55.446"E
05°15’48.991"N

WORLDVIEW-2 / 30 JANUARY 2019

PLEIADES / 30 AUGUST 2020
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON: FLOODS OBSERVED

Before: 30 January 2019

After: 30 August 2020

Image Center:
09°58'15.864"E
05°16'13.904"N

Nkam River

Affected
Agricultural land

Flood Water
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON : MUDDY LAND SURFACES

Image Center:
09°58'12.325°E
05°16'47.413°N

WORLDVIEW-2 / 30 JANUARY 2019

Muddy Surface

PLEIADES / 30 AUGUST 2020
AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON: NO OBSERVED FLOODS

Image Center:
09°58'22.826"E
05°17'02.598"N

WORLDVIEW-2 / 30 JANUARY 2019

PLEIADES / 30 AUGUST 2020
SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 31 AUGUST 2020

Preliminary observations, impact and severity *:

- Several agricultural fields along Ménoua River and Nkam River are inundated;
- Several crops along these two rivers appear to be damaged;
- No major floods were observed inside Santchou urban area as of 30 August 2020;
- Some areas were not assessed because of the persistent cloud cover.

Further/anticipated actions from UNOSAT:

- no impact detected/ discontinue monitoring over specific ACI
- potential impact detected ✓ continue monitoring over specific ACIs
- full assessment to be conducted
- more data and/ or information needed to confirm impact

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