



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:

### Impact and severity\*:

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

### Data sources:

- (1) pre-event (reference) image:
  - WORLDVIEW-2, 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

### 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:

\* 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



Image Center :  
09°58'41.992"E  
05°17'34.214"N



WORLDVIEW-2 / 30 JANUARY 2019



PLEIADES / 30 AUGUST 2020

## AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON : AFFECTED AGRICULTURAL FIELDS



Image Center :  
09°58'51.213"E  
05°16'46.814"N



WORLDVIEW-2 / 30 JANUARY 2019

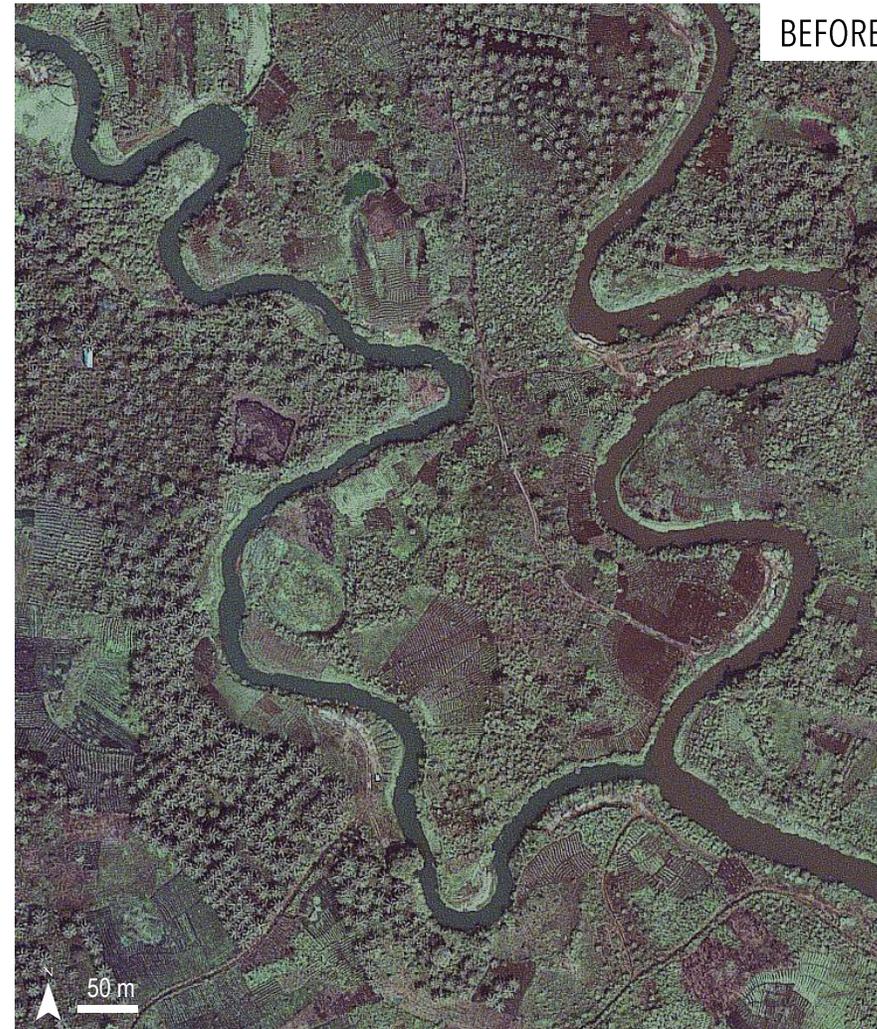


PLEIADES / 30 AUGUST 2020

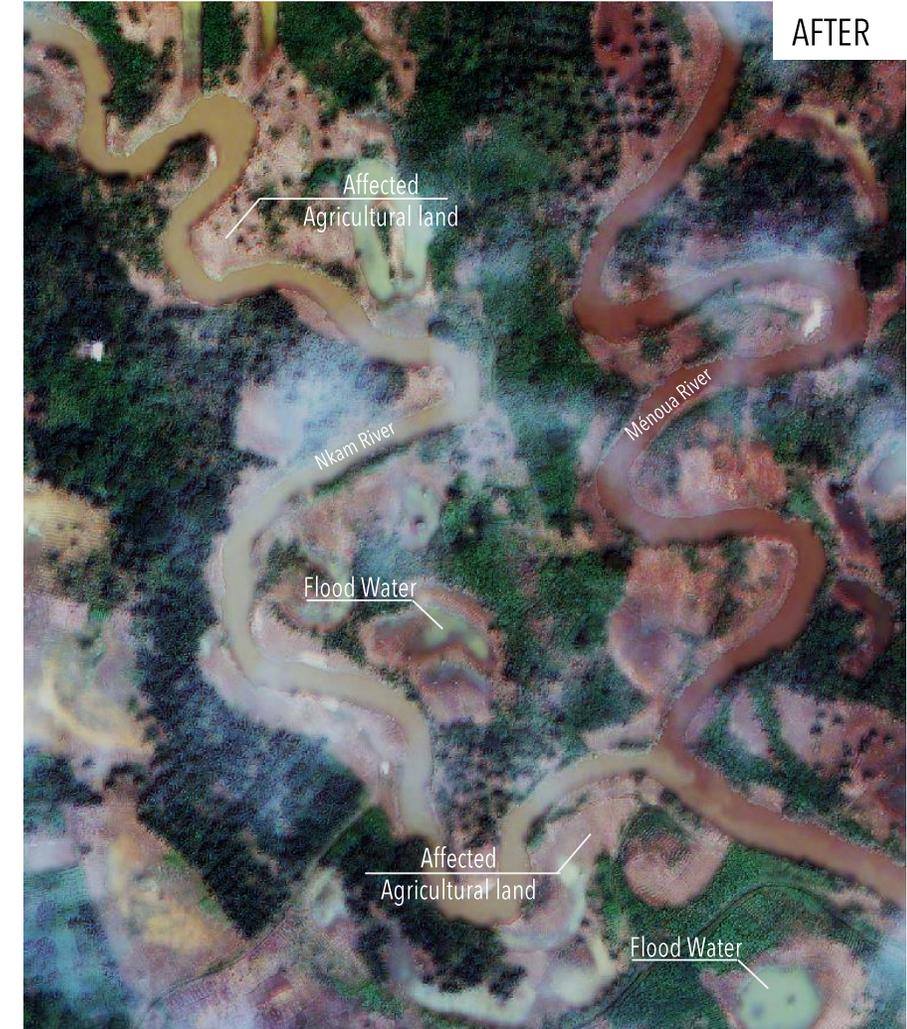
## AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON : FLOOD DETECTED



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



WORLDVIEW-2 / 30 JANUARY 2019



PLEIADES / 30 AUGUST 2020

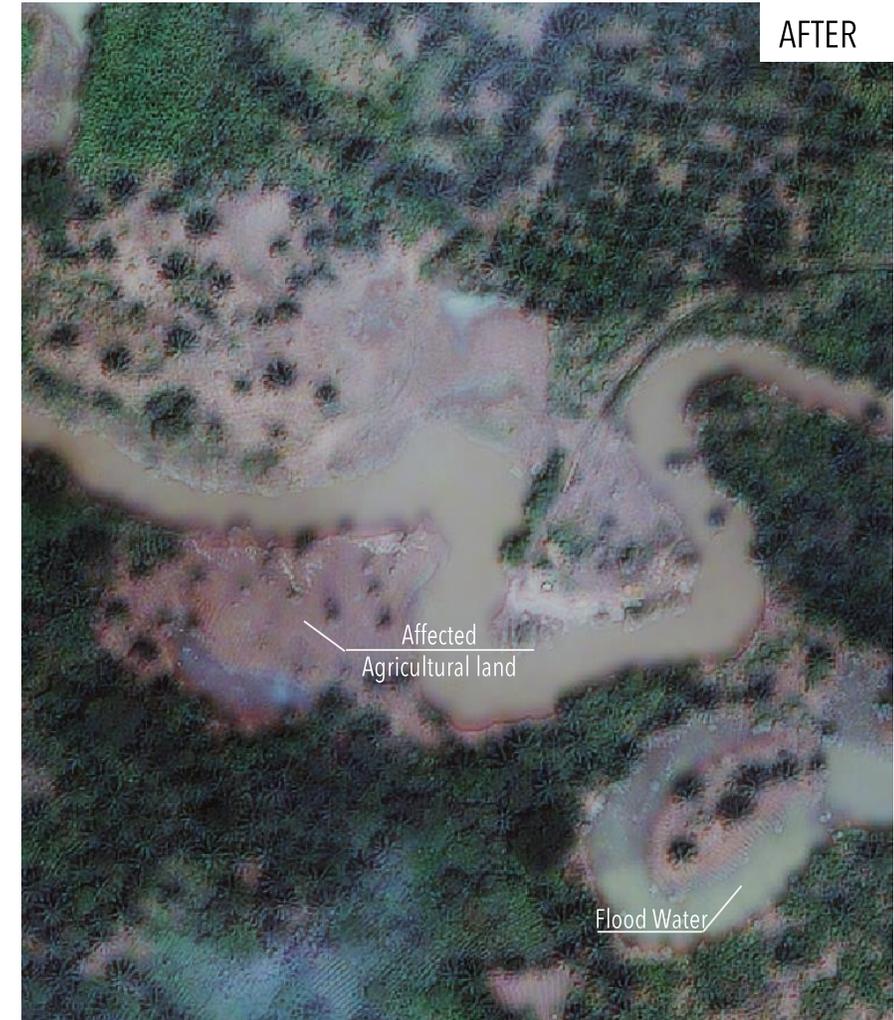
## AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON : FLOODS OBSERVED



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



WORLDVIEW-2 / 30 JANUARY 2019



PLEIADES / 30 AUGUST 2020

## 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

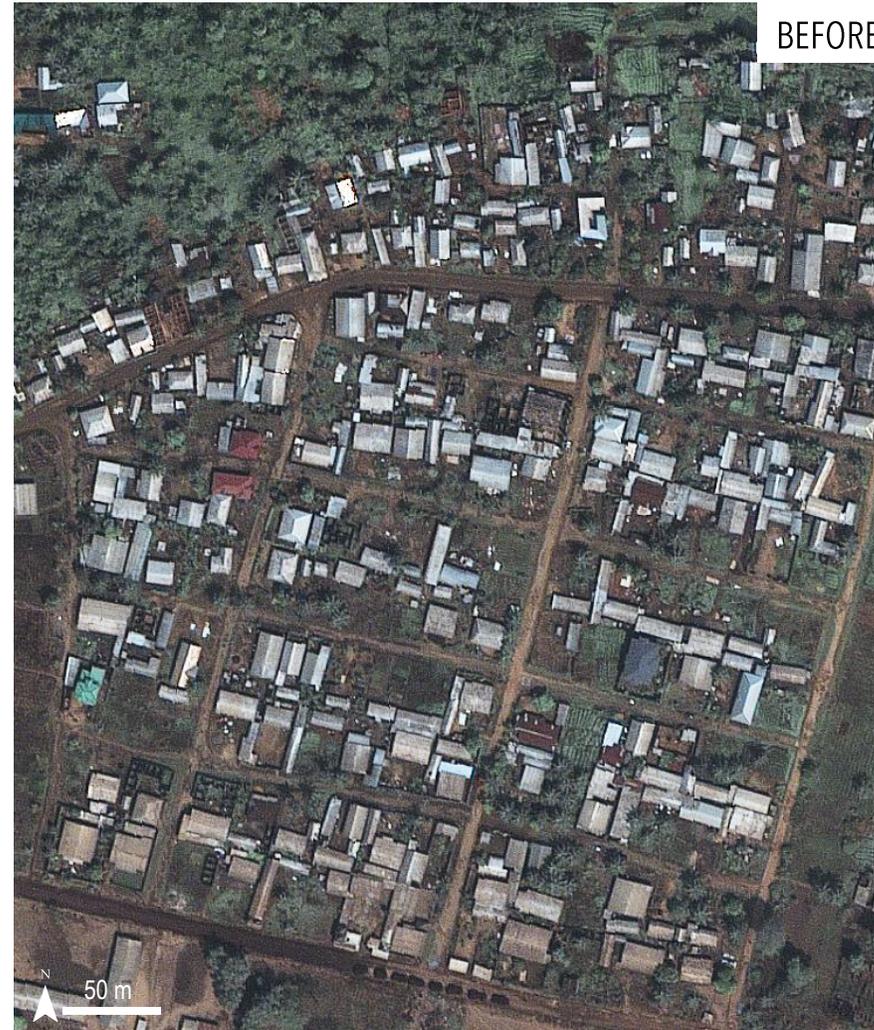


PLEIADES / 30 AUGUST 2020

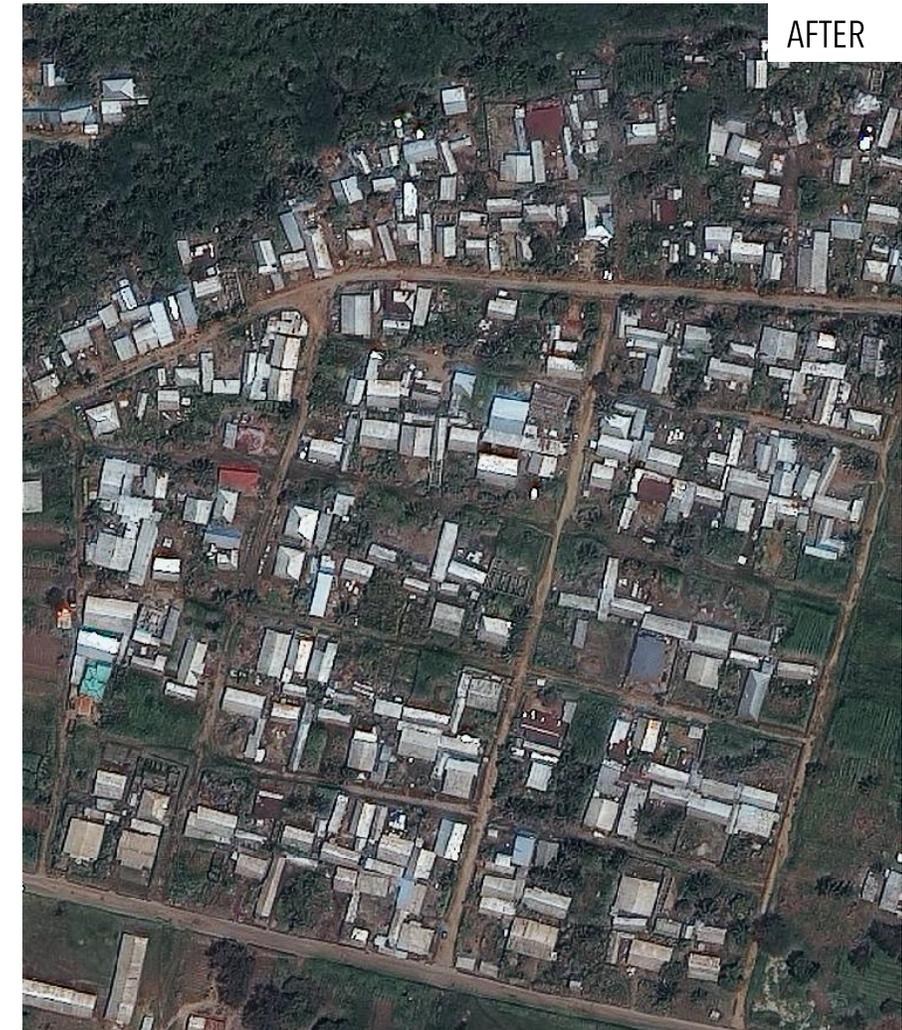
## AOI 1 SANTCHOU COMMUNE, MENOUA DEPARTMENT, WEST REGION, CAMEROON : NO OBSERVED FLOODS



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

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