27 AUGUST 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT IN DOUALA, LITTORAL REGION, CAMEROON

STATUS: FLOOD WATER DETECTED

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

Date of assessment validity: 27 AUGUST 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:
   - WORLDVIEW3, 5 APR 2020 [2020 Digital Globe]
2. post-event images:
   - Pleiades, 26 AUG 2020 [CNES (2020), distribution Airbus D&S]
3. baseline data
   - Administrative boundaries: OCHA Cameroon
   - Reference Water: JRC
   - Waterway: OSM

* disclaimer (i.e. assessment has yet to be validated with field-based information)
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON: NO DETECTED FLOODS

Image Center:
09°41'49.046"E
04°03'26.431"N

WORLDVIEW 3 / 5 APRIL 2020

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURLI DEPARTMENT, LITTORAL REGION, CAMEROON: NO DETECTED FLOODS

Image Center:
09°43'12.789"E
04°02'05.424"N

WORLDVIEW 3 / 5 APRIL 2020

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON: NO DETECTED FLOODS

Image Center:
09°47′4.824″E
04°1′46.055″N

WORLDVIEW 3 / 5 APRIL 2020

EPIC Douala Bethanie Church

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON: NO DETECTED FLOODS

Image Center: 09°44'40.091"E 04°00'38.118"N

WORLDVIEW 3 / 5 APRIL 2020

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON: FLOODS DETECTED

Image Center:
09°38'45.780"E
04°07'18.168"N

WORLDVIEW 3 / 5 APRIL 2020

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON : FLOODS DETECTED

Image Center:
09°39'21.096"E
04°05'53.832"N

WORLDVIEW 3 / 5 APRIL 2020

Public School De Sodiko

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON : NO DETECTED FLOODS

Image Center:
09°45'40.326"E
04°02'47.687"N

WORLDVIEW 3 / 5 APRIL 2020

Pleiades / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON: POTENTIALLY DAMAGED STRUCTURE DETECTED

Image Center:
09°44’18.105”E
04°04’16.803”N

WORLDVIEW 3 / 5 APRIL 2020

PLEIADES / 26 AUGUST 2020
AOI 1 DOUALA CITY, WOURI DEPARTMENT, LITTORAL REGION, CAMEROON: NO DETECTED FLOODS

Image Center:
09°48'29.616"E
04°06'49.638"N

WORLDVIEW 3 / 5 APRIL 2020

PLEIADES / 26 AUGUST 2020
SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 27 AUGUST 2020

Preliminary observations, impact and severity *:

- Flood waters observed in the western parts of Douala (Commune 4). Many houses appear to be affected;
- Potentially damaged structure detected in Douala V Commune close to the waterway;
- Several areas could not be assessed because of the cloud cover.

Further/anticipated actions from UNOSAT:

- no impact detected / discontinue monitoring over specific
- potential impact detected
- 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)