18 SEPTEMBER 2020

PRELIMINARY SATELLITE-DERIVED FLOOD ASSESSMENT IN SANTIAGO & BRAVA ISLANDS, REPUBLIC OF CABO VERDE

STATUS: POTENTIALLY DAMAGED STRUCTURES OBSERVED

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

Date of assessment validity: 18 September 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, etc.)
- internally displaced persons (IDP) camps
- transportation network
- agriculture
- other: 

Data sources:

1. pre-event (reference) image: Bing (2020)
2. post-event images:
3. baseline data
   - administrative boundaries: OCHA ROWCA
   - settlements: OCHA ROWCA
   - transportation network: OCHA ROWCA

* disclaimer (i.e. assessment has yet to be validated with field-based information)
AOI 1 / PRAIA CITY, PRAIA MUNICIPALITY, SANTIAGO ISLAND, CABO VERDE: POTENTIALLY DAMAGED ROAD OBSERVED
AOI 2 / FAJÃ DE AGUA VILLAGE, BRAVA MUNICIPALITY, BRAVA ISLAND, CABO VERDE: POTENTIALLY DAMAGED STRUCTURES OBSERVED

BEFORE

AFTER

Potentially damaged structure
Mud observed on the road

BING Basemap

WORLDVIEW-2 / 15 SEPTEMBER 2020
AOI 2 / FAJÃ DE AGUA AIRPORT, BRAVA MUNICIPALITY, BRAVA ISLAND, CABO VERDE: NO DAMAGED STRUCTURE OBSERVED
AOI 2 / NOSSA SENHORA DO MONTE VILLAGE, BRAVA MUNICIPALITY, BRAVA ISLAND, CABO VERDE: NO DAMAGED STRUCTURE OBSERVED
AOI 2 / FURNA VILLAGE, BRAVA MUNICIPALITY, BRAVA ISLAND, CABO VERDE: POTENTIALLY DAMAGED STRUCTURES OBSERVED
SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 18 September 2020

Preliminary observations, impact and severity *:

Santiago Island:
• Evidence of flash floods observed in Praia city as of 16 September 2020;
• Potentially damaged roads observed in Praia city as of 16 September 2020;
• No widespread structural damage could be observed in cloud free zones over Santiago Island as of 16 September 2020;

Brava Island:
• Potentially damaged structures observed in Furna and Fajã de Agua as of 15 September 2020;
• No widespread structural damage could be observed in cloud free zones over Brava Island as of 15 September 2020;

No satellite imagery available over Santo Antão Island & Ribeira da Barca and Picos in Santiago Island.

Further/anticipated actions from UNOSAT:

- no impact detected/discontinue monitoring over specific AOI
- potential impact detected  
- continue monitoring over specific AOIs
- full assessment to be conducted
- more data and/or information needed to confirm impact severity

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