


20 August 2021

# PRELIMINARY SATELLITE- DERIVED FLOODS ASSESSMENT



Grande'Anse, Nippes, South, and South-East Departments, Haiti

 Status: Increased water level and affected structures observed in south and South-East Departments

 Further action(s): continue monitoring

# HAITI

20 August 2021



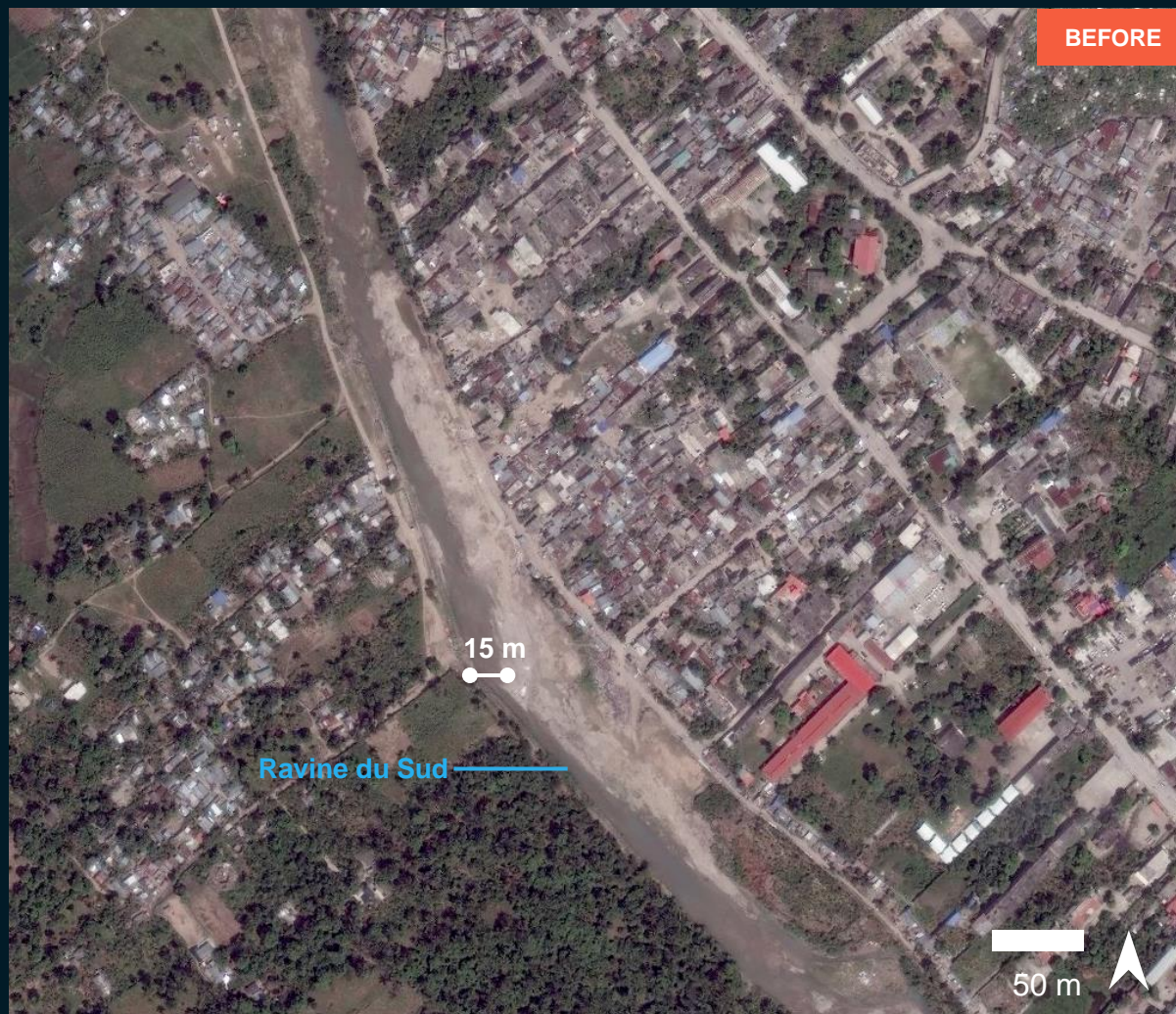


# AOI 1 LES CAYES COMMUNE, SOUTH DEPARTMENT

Image center:  
73°45'33.483"W  
18°11'46.049"N



Increased water observed



Worldview-2 / 15 Aug 2021



WorldView-1 / 18 Aug 2021

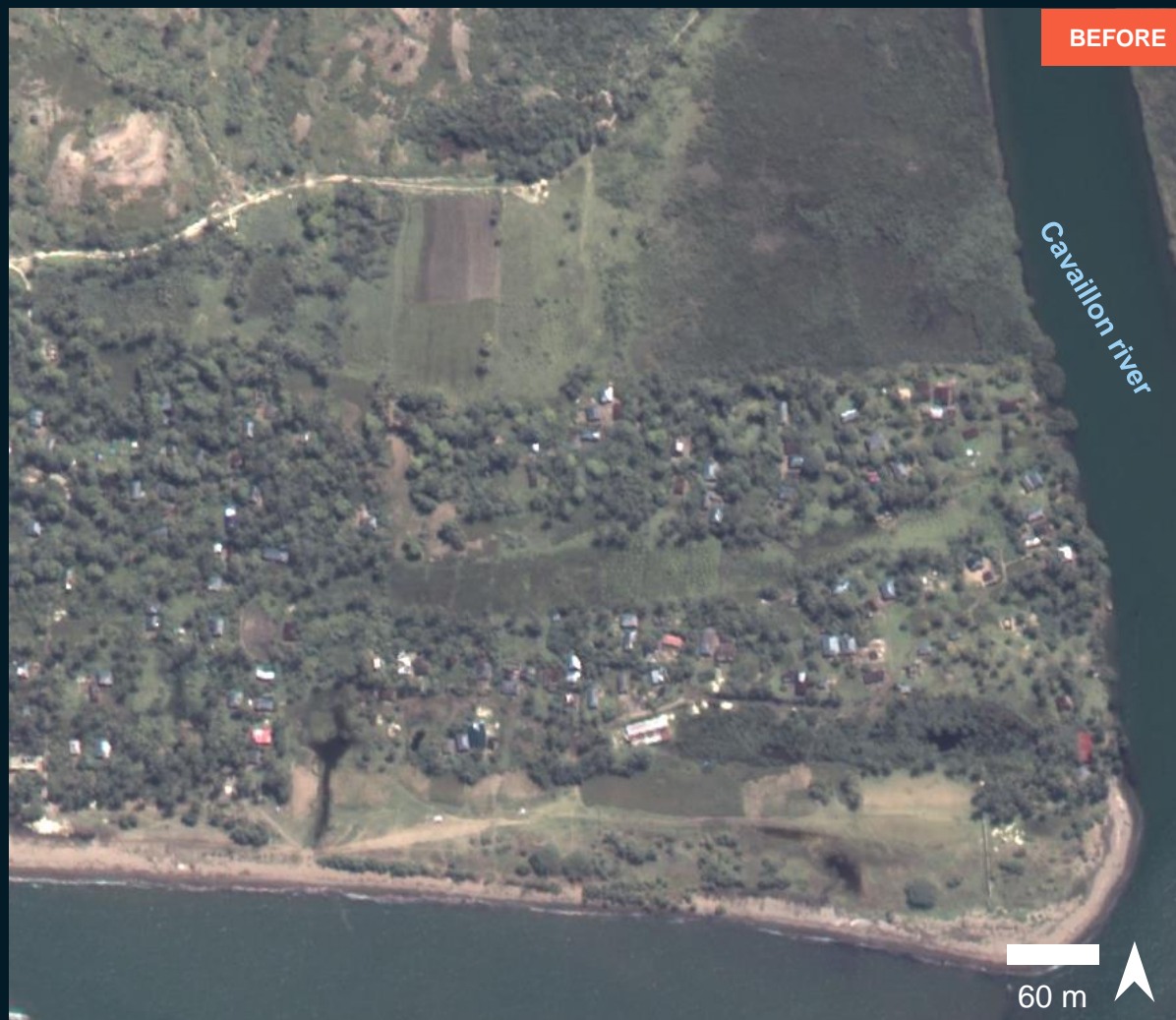


# AOI 1 LES CAYES COMMUNE, SOUTH DEPARTMENT

Image center:  
73°41'19.369"W  
18°14'23.081"N



## Floods and Inundated structures observed



Worldview-2 / 13 July 2021



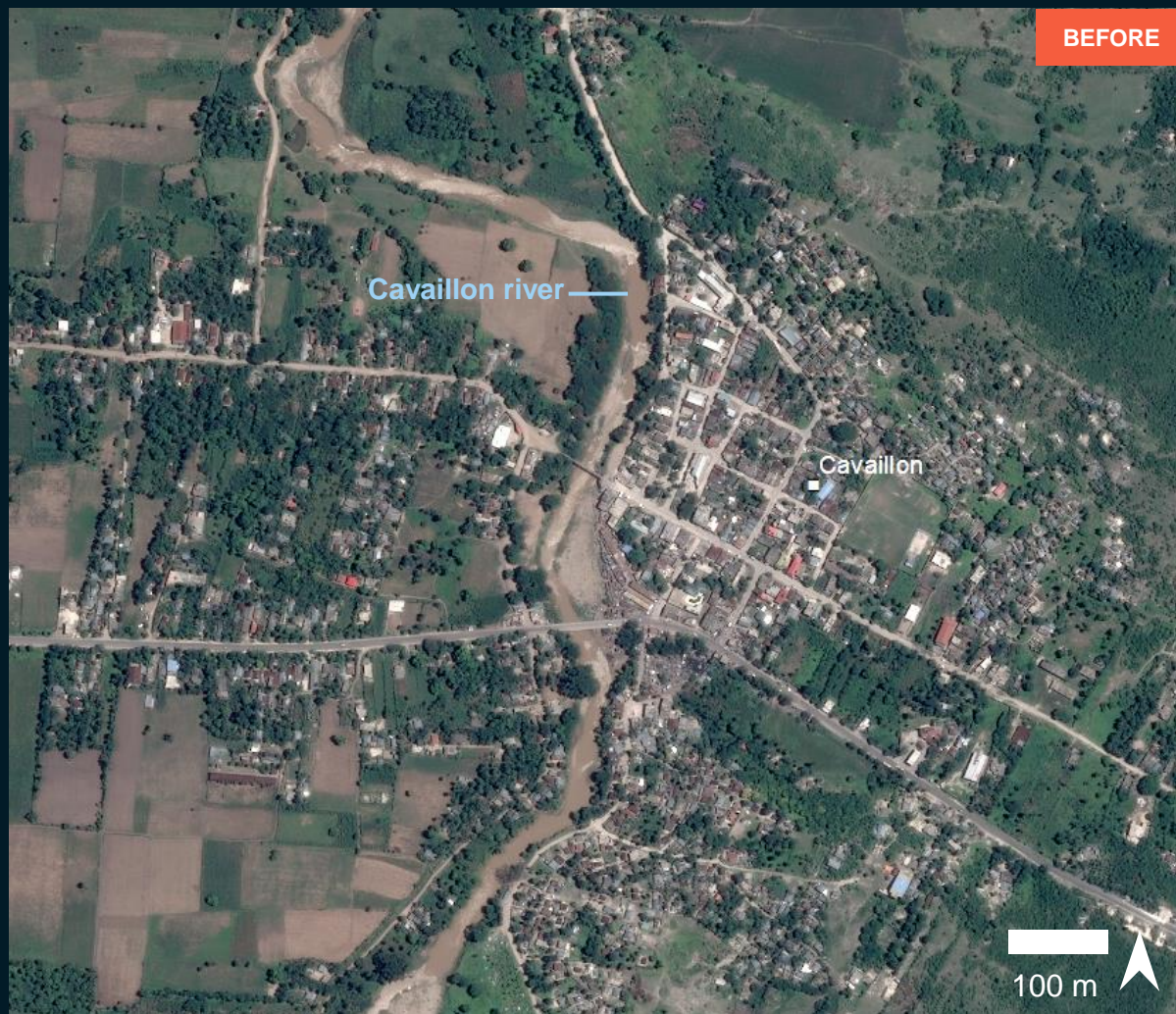
WorldView-1 / 18 Aug 2021



# AOI 2 CAVAILLON TOWN, CAVAILLON COMMUNE, SOUTH DEPARTMENT

No floods observed

Image center:  
73°39'18.328"W  
18°17'55.584"N



Worldview-2 / 13 July 2021



Worldview-1 / 18 Aug 2021

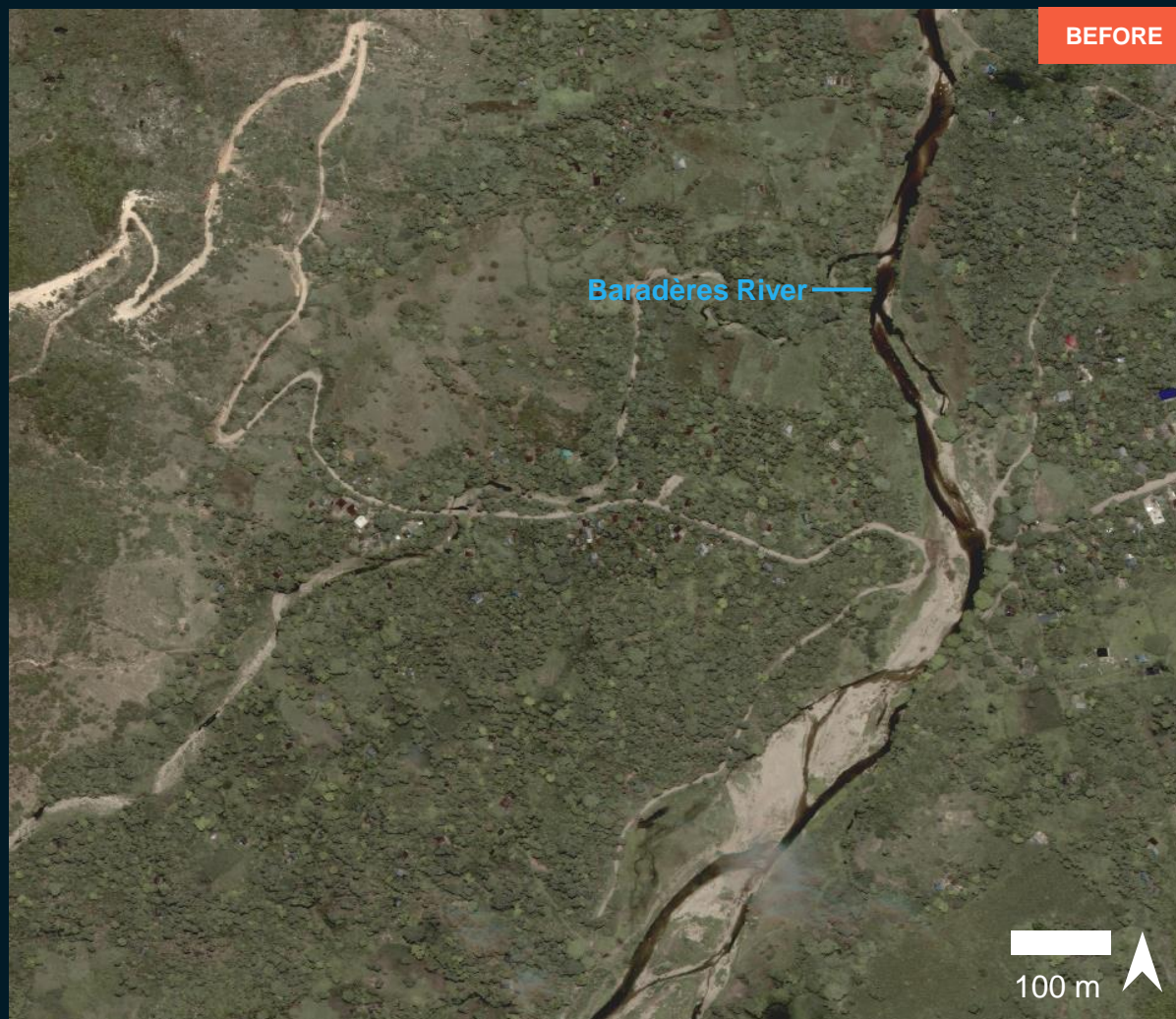


# AOI 3 BARADERES COMMUNE, NIPPES DEPARTMENT

Image center:  
73°40'36.754"W  
18°27'39.273"N



No floods observed



Worldview-2 / 29 Dec 2019

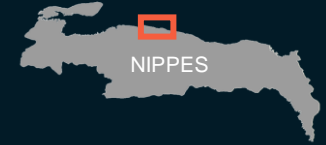


WorldView-1 / 18 Aug 2021



# AOI 4 ANSE-A-VEAU COMMUNE, NIPPES DEPARTMENT

Image center:  
73°18'17.038"W  
18°28'45.021"N



No floodwater observed



Pleiades / 27 Jan 2021



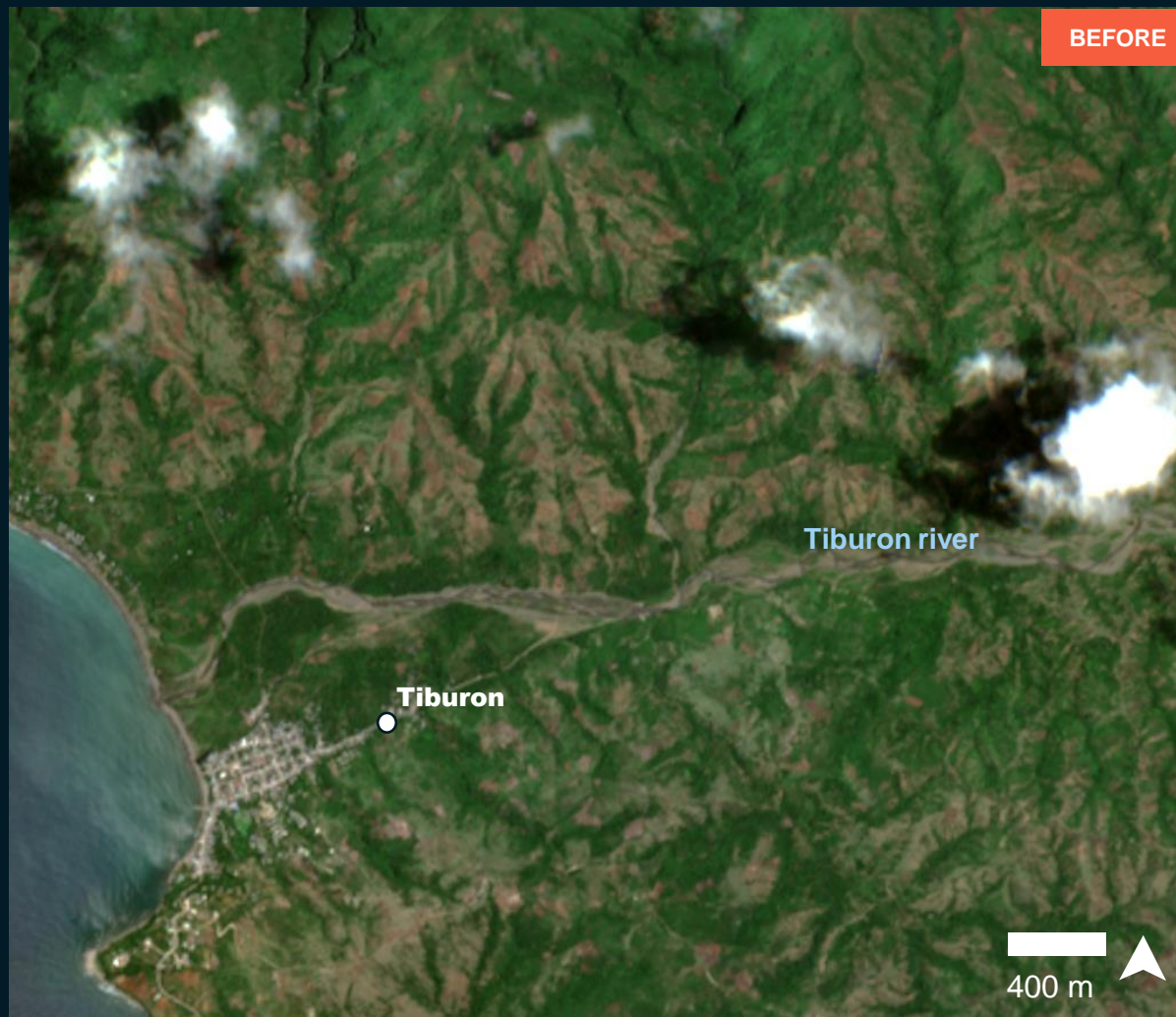
WorldView-1 / 18 Aug 2021



# AOI 5 TIBURON CITY, TIBURON COMMUNE, SOUTH DEPARTMENT

No floodwater or landslide observed

Image center:  
74°23'41.254"W  
18°19'36.943"N



Sentinel-2 / 4 Aug 2021



Planet 1 / 18 Aug 2021



# AOI 6 BAINET COMMUNE, SOUTH-EAST DEPARTMENT

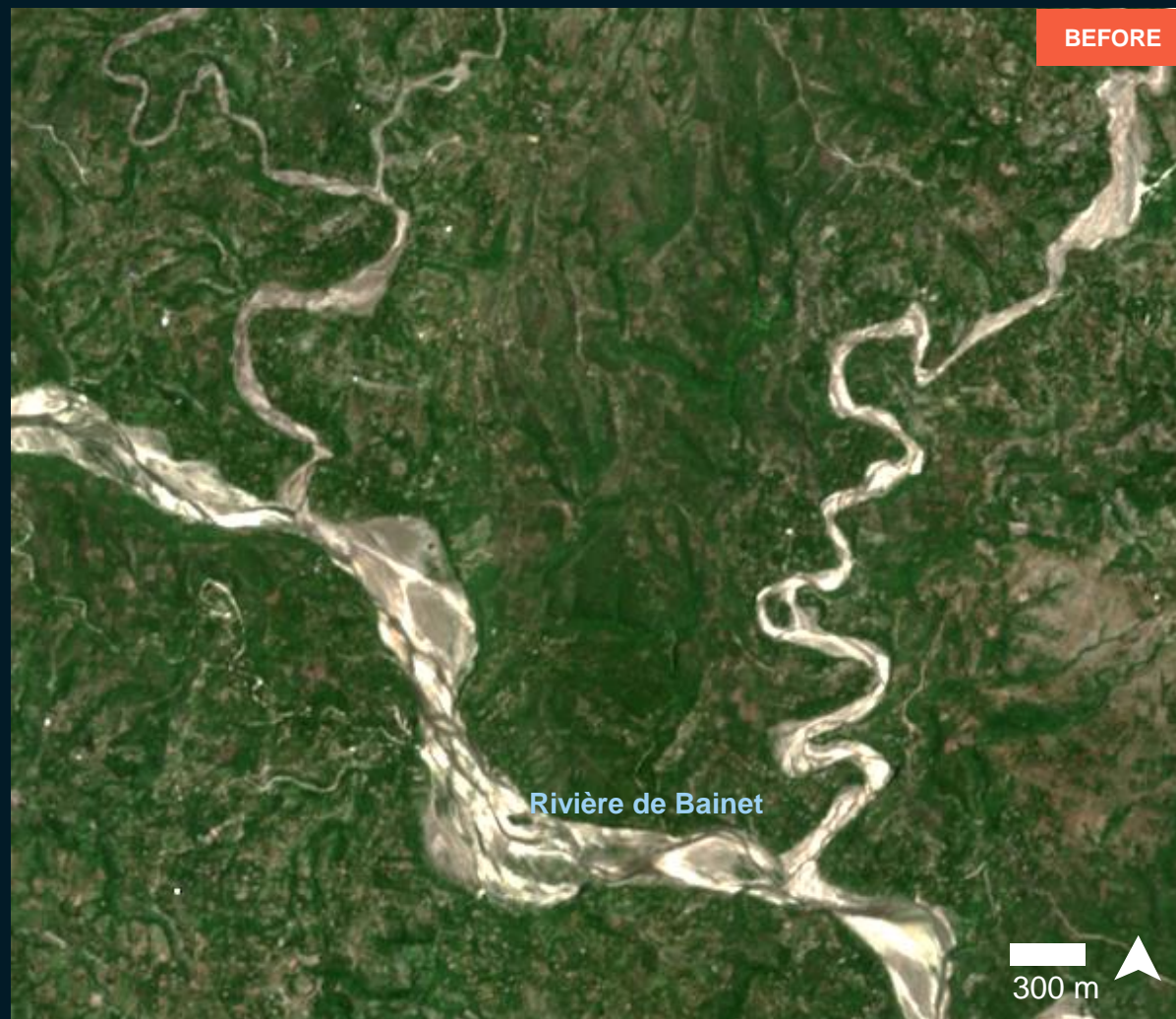
Image center:  
72°48'25.907"W  
18°12'11.142"N



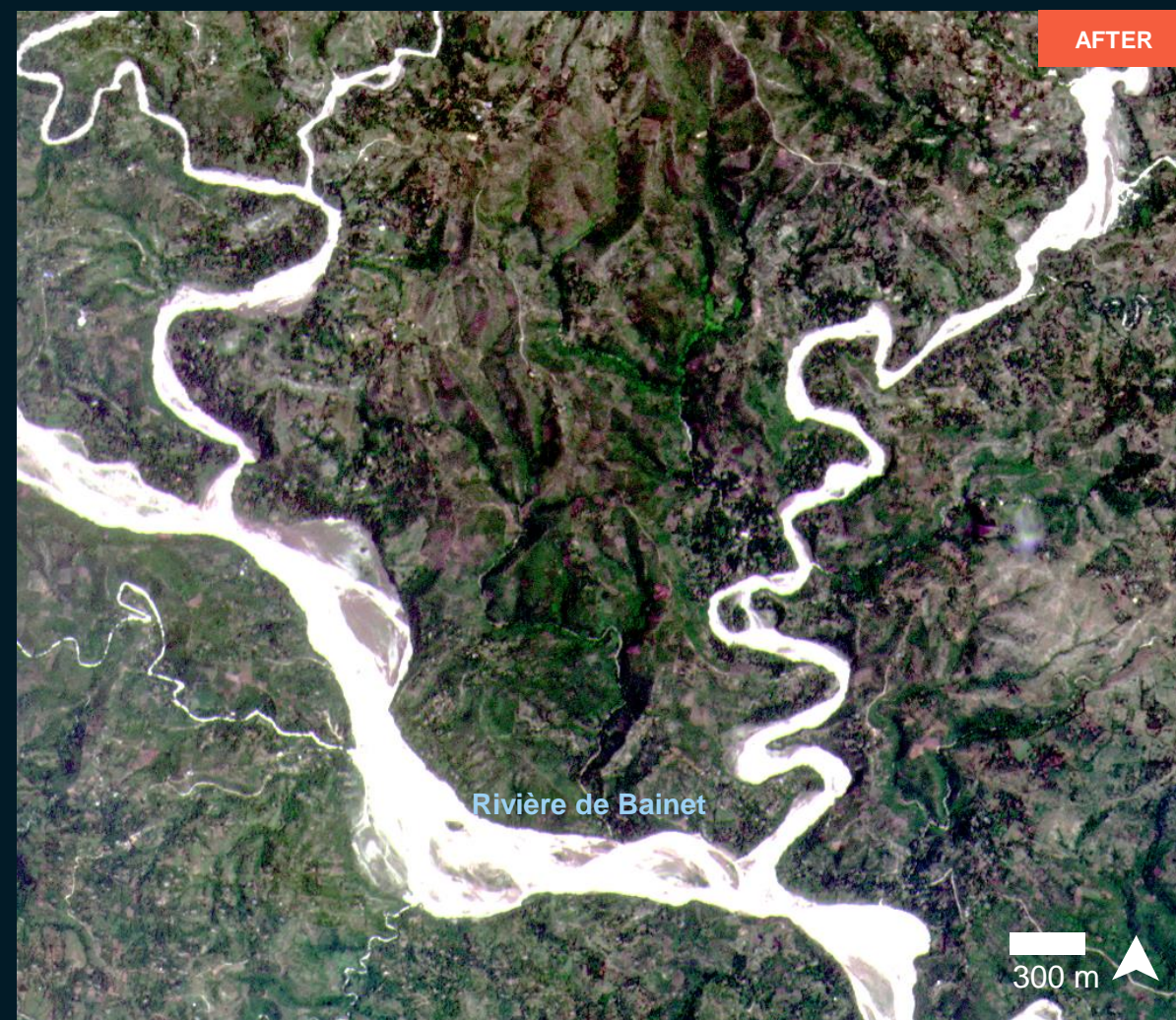
SOUTH-EAST



No floodwater or landslide observed



Sentinel-2 / 6 Aug 2021



Planet 1 / 18 Aug 2021



# AOI 6 BAINET CITY, BAINET COMMUNE, SOUTH-EAST DEPARTMENT

No floodwater or landslide observed

Image center:  
72°45'19.852"W  
18°11'13.549"N



Sentinel-2 / 6 Aug 2021



Planet 1 / 18 Aug 2021

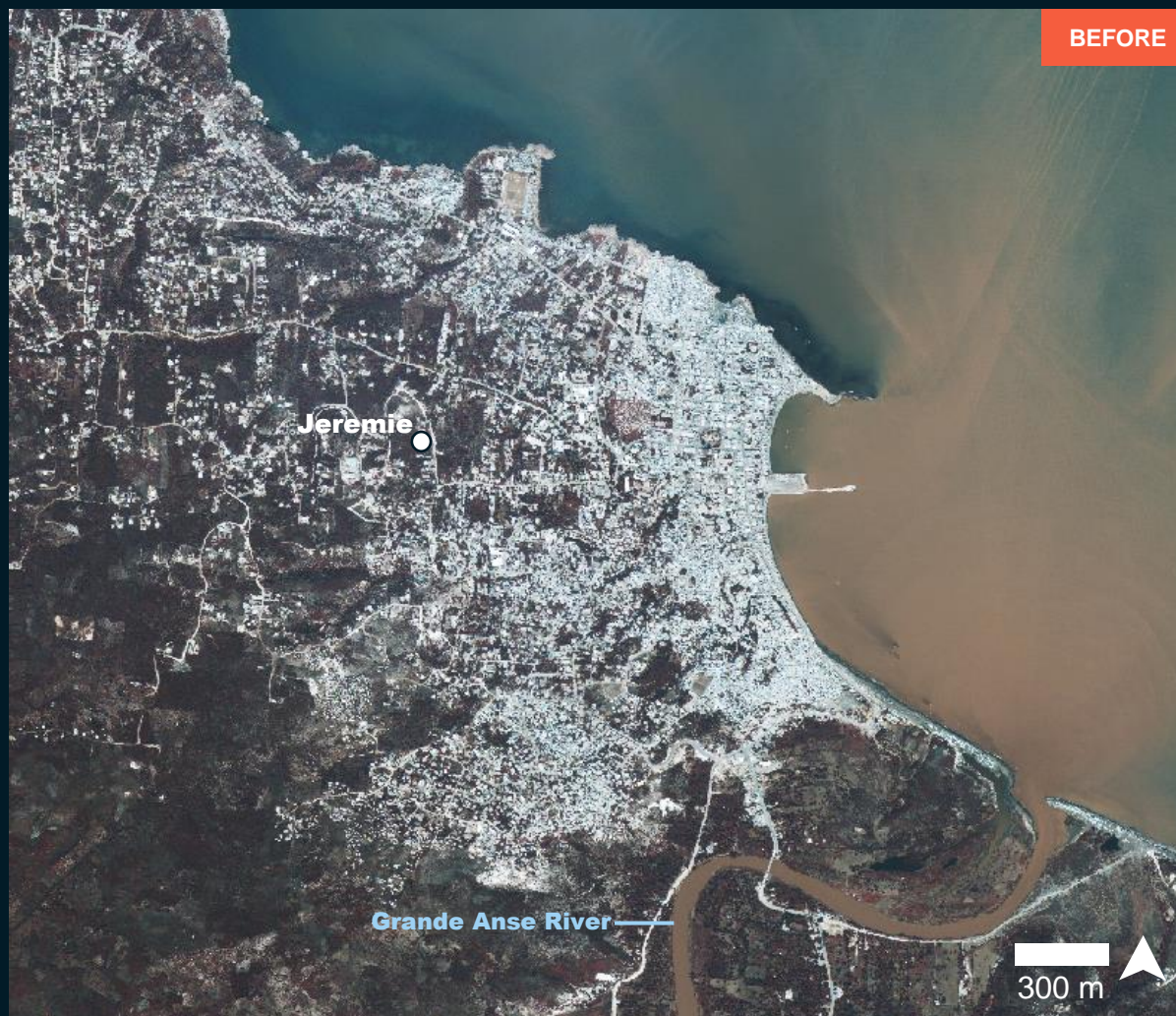


# AOI 7 JEREMIE CITY, JEREMIE COMMUNE, GRANDE'ANSE DEPARTMENT

Image center:  
74°6'59.214"W  
18°38'30.365"N



No floodwater observed



WorldView-3 / 14 Sep 2020



WorldView-1 (PAN) / 18 Aug 2021



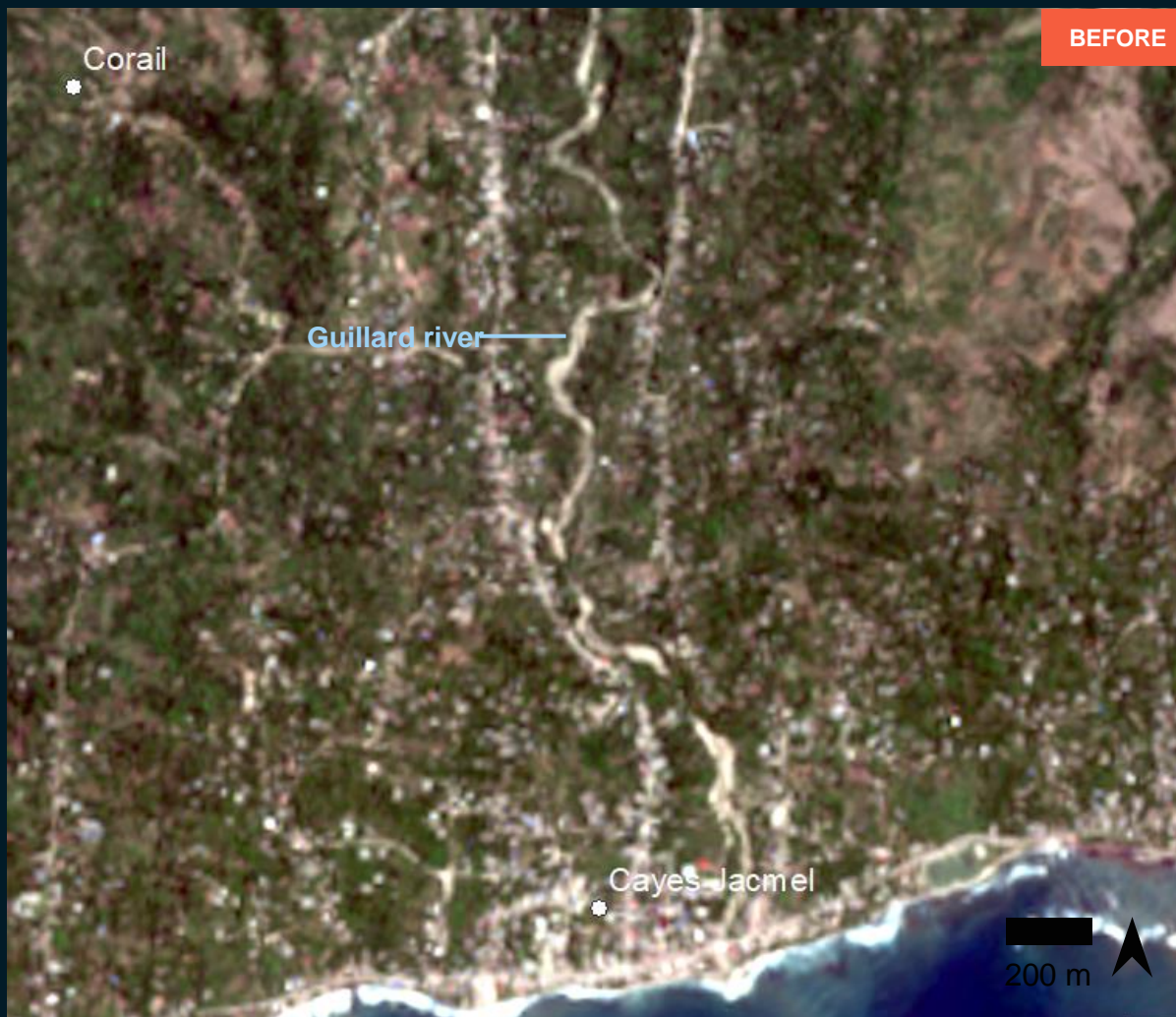
# AOI 8 CAYES-JACMEL COMMUNE, SOUTH-EAST DEPARTMENT

Image center:  
72°23'50.707"W  
18°14'22.955"N

SOUTH-EAST DEPARTMENT



Increased water observed



Sentinel-2 / 6 Aug 2021



Planet-1 / 18 Aug 2021



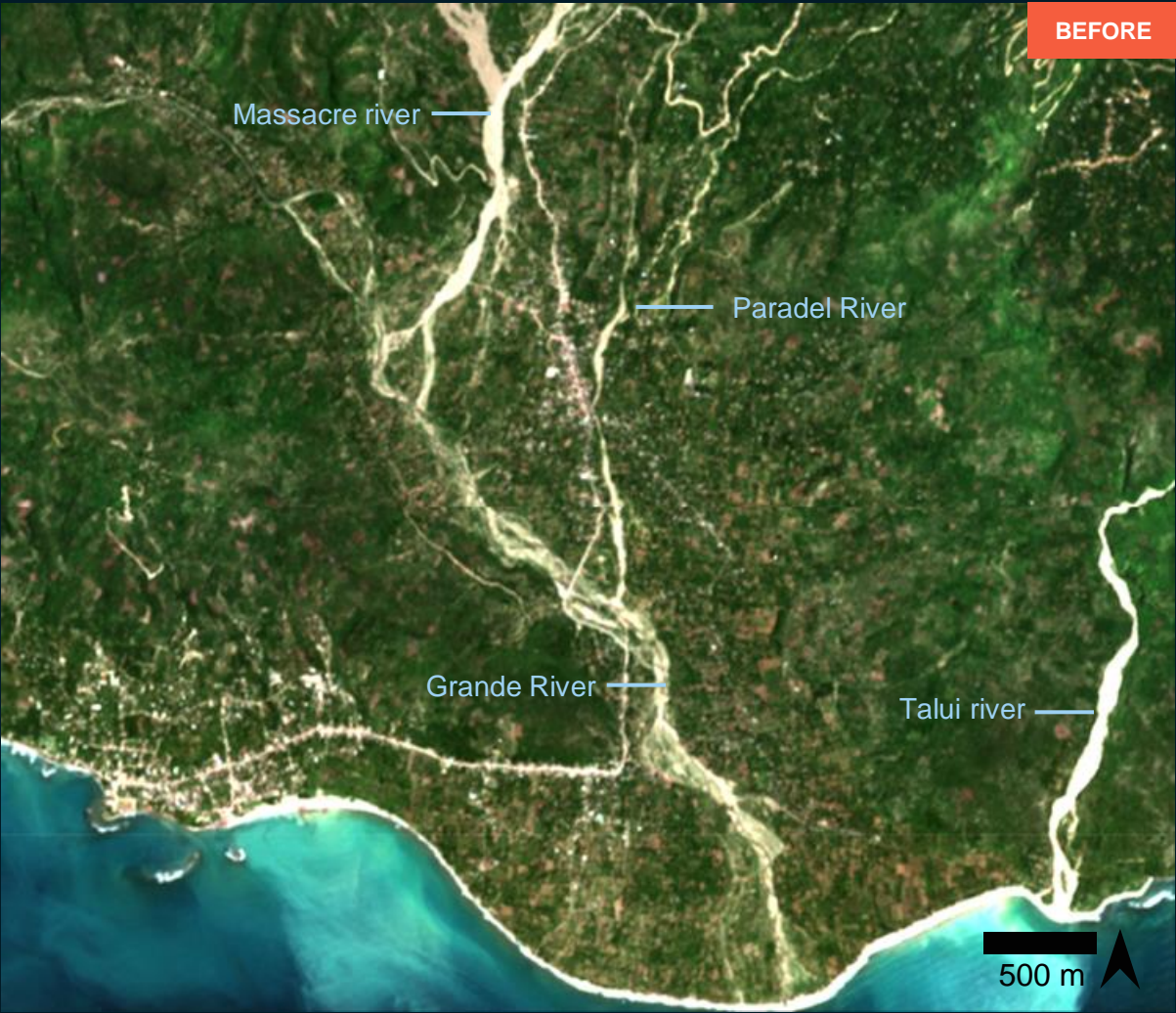
# AOI 9 MARIGOT COMMUNE, SOUTH-EAST DEPARTMENT

Image center:  
72°18'16.548"W  
18°14'45.489"N

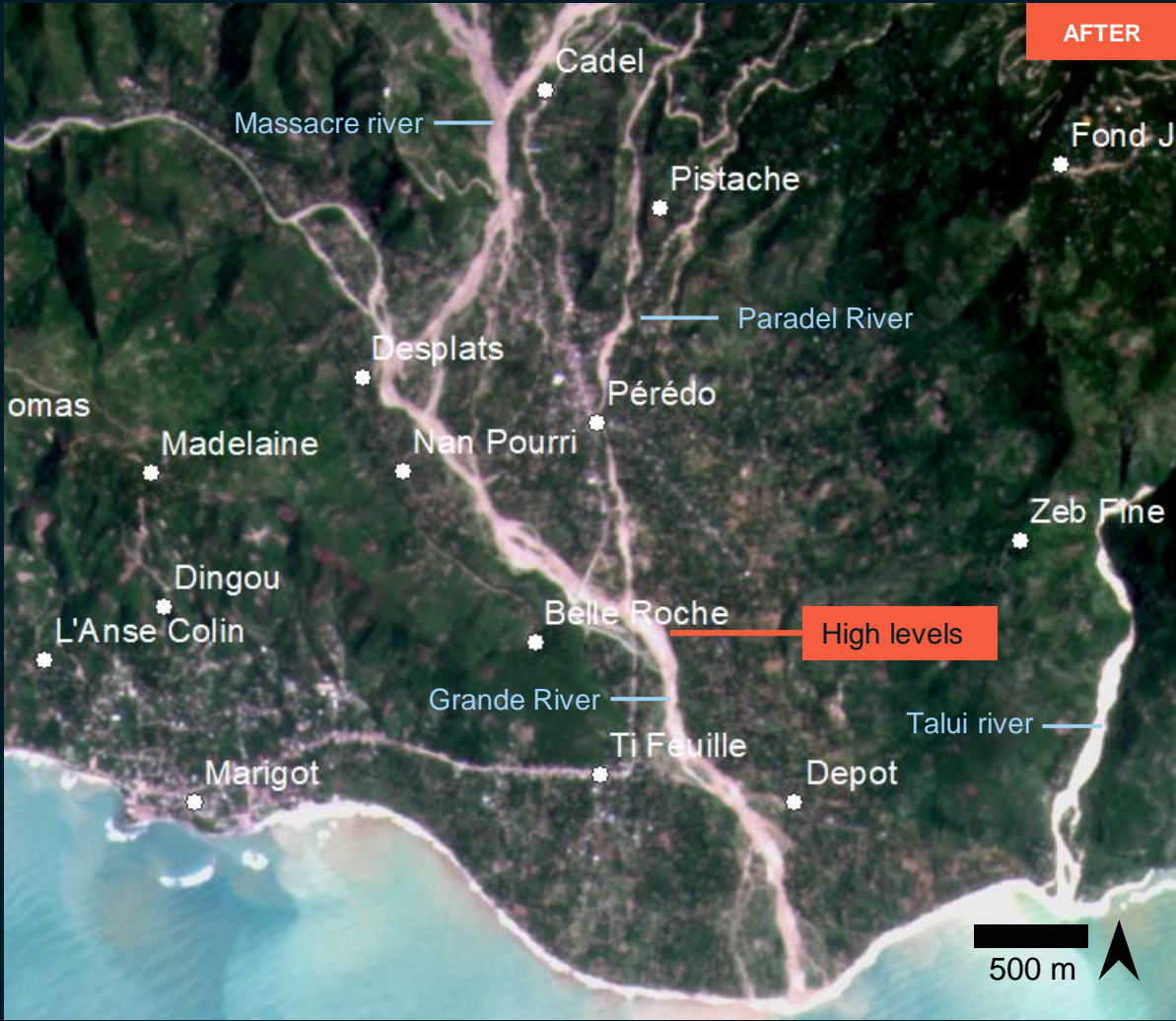
SOUTH-EAST DEPARTMENT



Increased water observed



Sentinel-2 / 6 Aug 2021



Planet-1 / 18 Aug 2021



# SUMMARY OF FINDINGS

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- Increased water levels and inundated structures observed Les Cayes Commune, South Department as of 18 August 2021;
- No floods observed in Cavaillon Town, Cavaillon Commune, South Department as of 18 August 2021;
- No floods observed in Baraderes Commune, Nippes Department as of 18 August 2021;
- No floods observed in Anse-a-Veau Commune, Nippes Department as of 18 August 2021;
- No floods or landslide observed in Tiburon City, Tiburon Commune, South Department as of 18 August 2021;
- No floods or landslide observed in Bainet City, Bainet Commune, South-east Department as of 18 August 2021;
- No floods observed in Jeremie City, Jeremie Commune, Grande'Anse Department as of 18 August 2021;
- Increased water levels observed in Marigot And Cayes-Jacmel Communes, South-East Department as of 18 August 2021;



# COPYRIGHTS AND SOURCES

## Data sources:

### (1) Satellite Image (Post-event)

Worldview-1 / 18 Aug 2021

Copyright: 2021 Digital Globe

Source: USGS / HDDS

Planet-1 / 18 Aug 2021

Copyright: © 2021 Planet Labs Netherlands BV.

Source: USGS / HDDS

### (2) Satellite Image (Pre-event)

Worldview-2 / 15 Aug 2021, 13 Jul 2021

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Source: USGS / HDDS

Worldview-3 / 14 Sep 2020

Copyright: 2020 Digital Globe

Source: USGS / HDDS

Worldview-2 / 29 Aug 2019

Copyright: 2019 Digital Globe

Source: USGS / HDDS

Pleiades / 27 Jan 2021

Copyright: CNES (2021), distribution Airbus D&S

Source : Airbus DS

Sentinel-2 / 4 and 6 Aug 2021

Copyright: Contains modified Copernicus Sentinel data [2021]

Source : ESA

### (3) Ancillary data

Administrative boundaries: Centre National de l'Information

Géo-Spatiale (CNIGS), HDX

Populated places: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)





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