

15 March 2023

PRELIMINARY SATELLITE- FLOOD ASSESSMENT REPORT

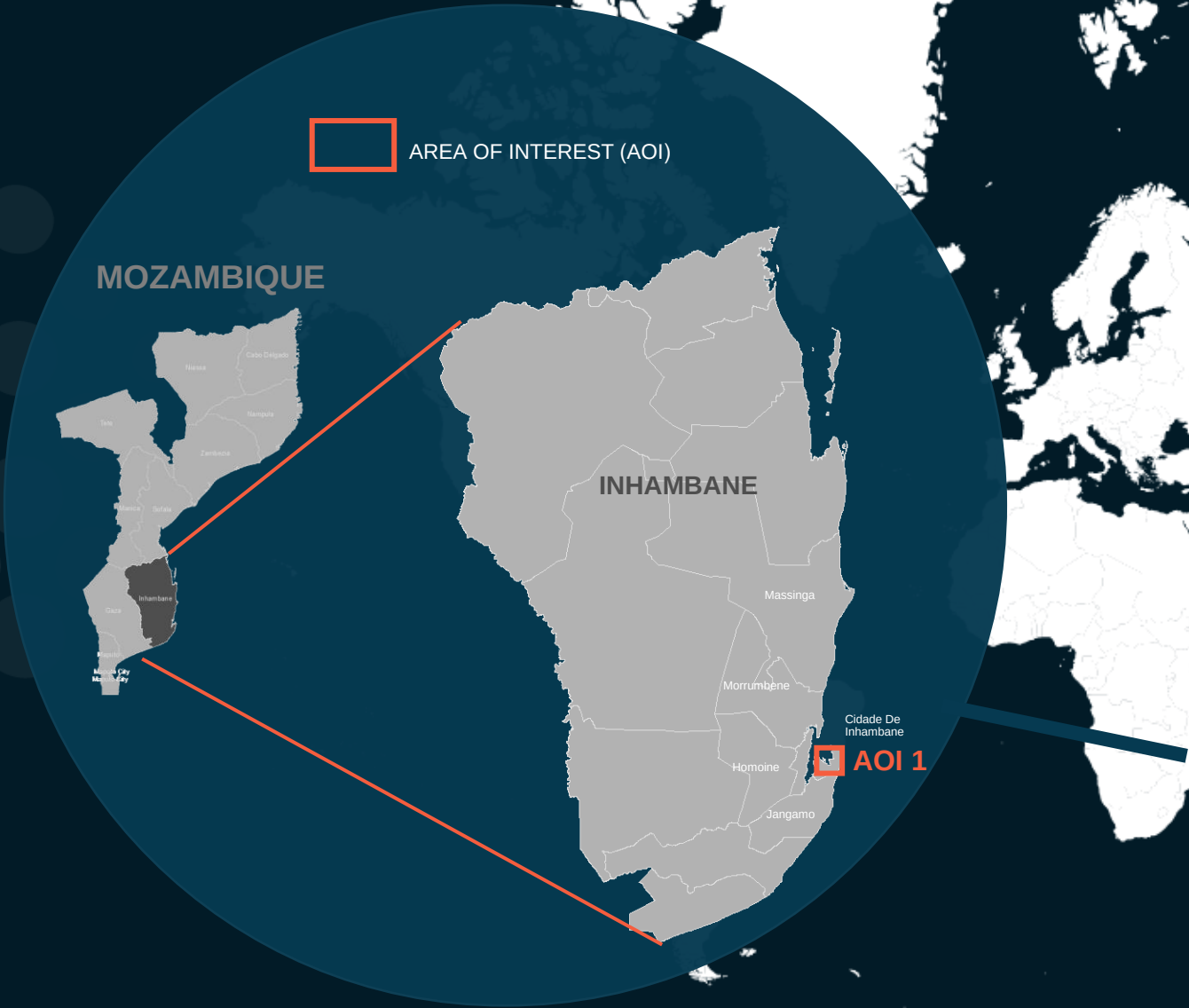
Cidade De Inhambane District
Inhambane Provinces, Mozambique

 Status: Flood water detected around the airport

 Further action(s): continue monitoring



MOZAMBIQUE



AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

Flood water observed in the vicinity of Inhambane Airport



50 m

WorldView image acquired on 10 March 2023, 07:42UTC
Image Center : 35°24'22"E 23°52'21"S

AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

Flooded structures observed southwest of Inhambane Airport

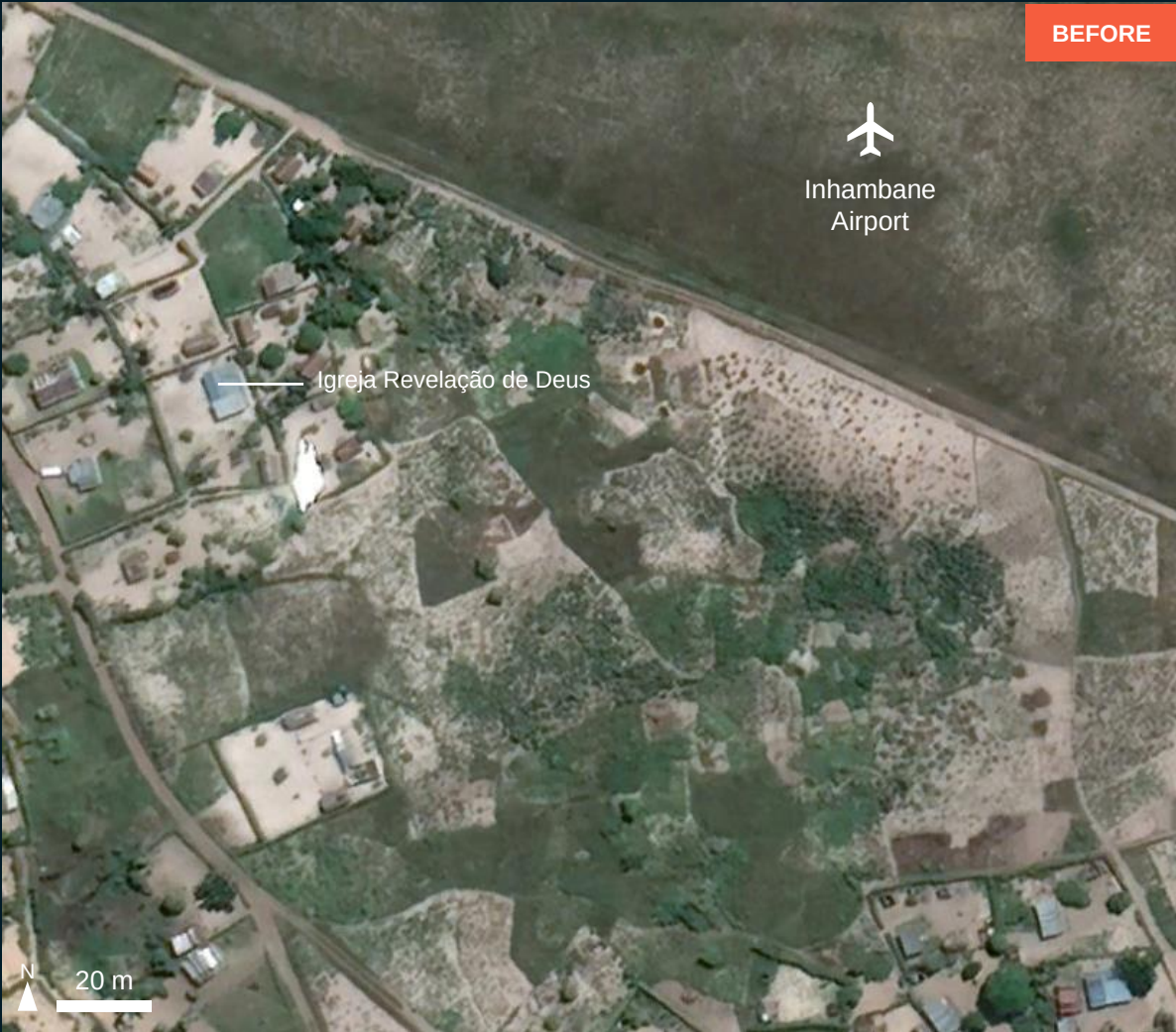
Image center:
35°24'16"E
23°52'50"S



Cidade De Inhambane Posto



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WorldView / Aug. 2022

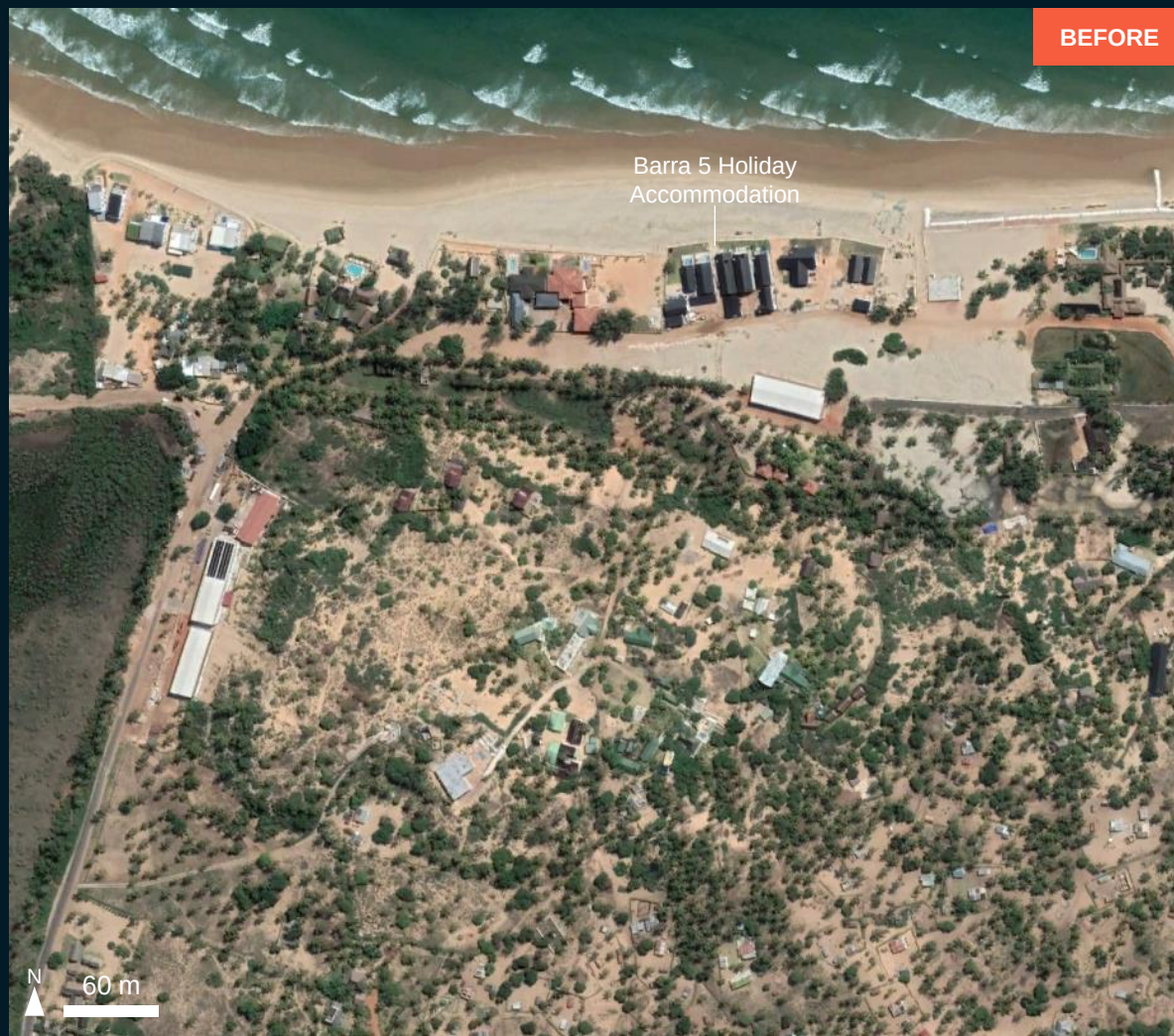


WorldView-2 / 10 Mar. 2023

AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

No visible flood or damage observed

Image center:
35°31'16"E
23°47'41"S



WorldView / Aug. 2022



WorldView-2 / 10 Mar. 2023

AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

No visible flood or damage observed

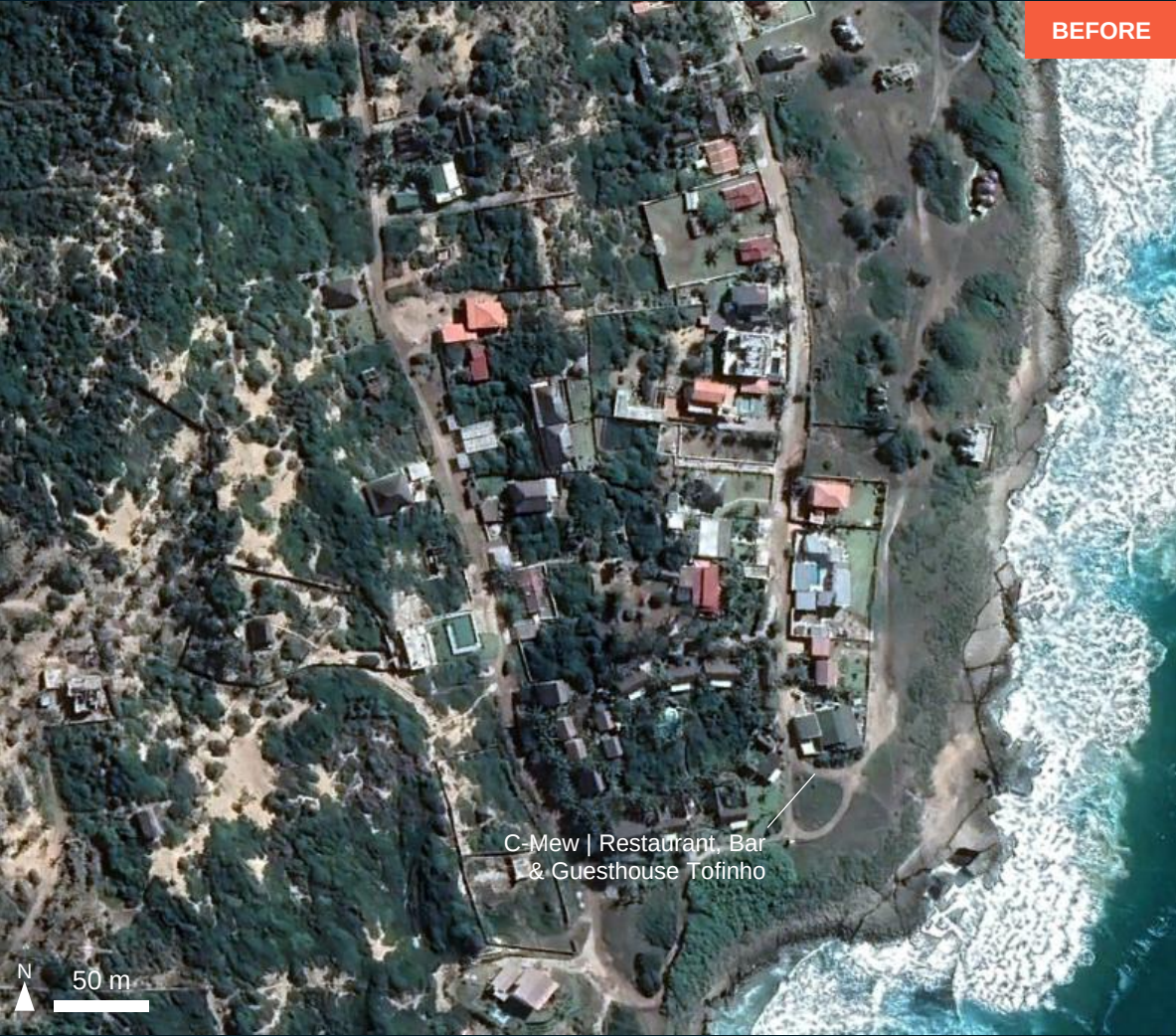
Image center:
35°33'9"E
23°52'9"S



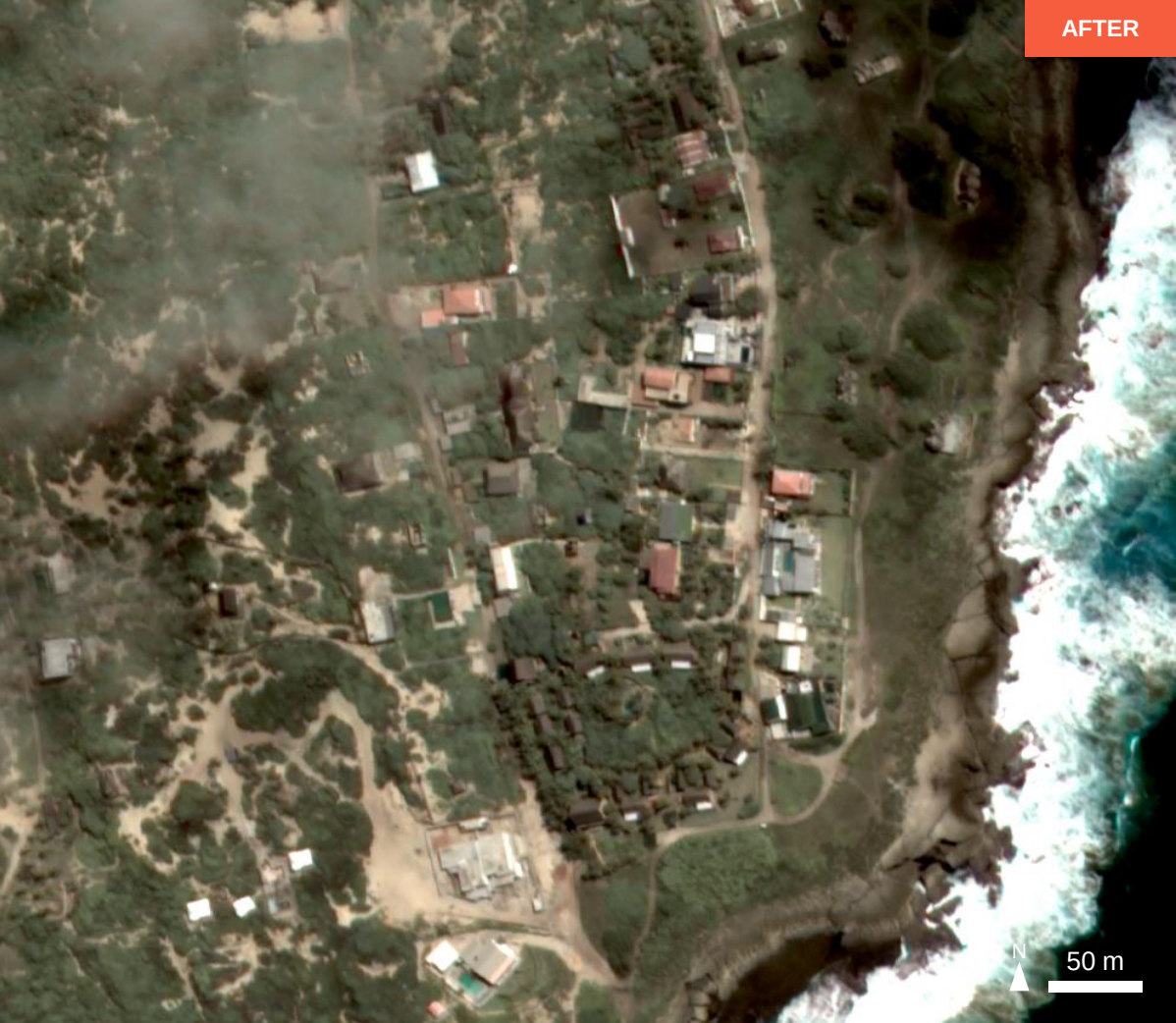
Cidade De
Inhambane
Posto



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WorldView / Aug. 2022



WorldView-2 / 10 Mar. 2023

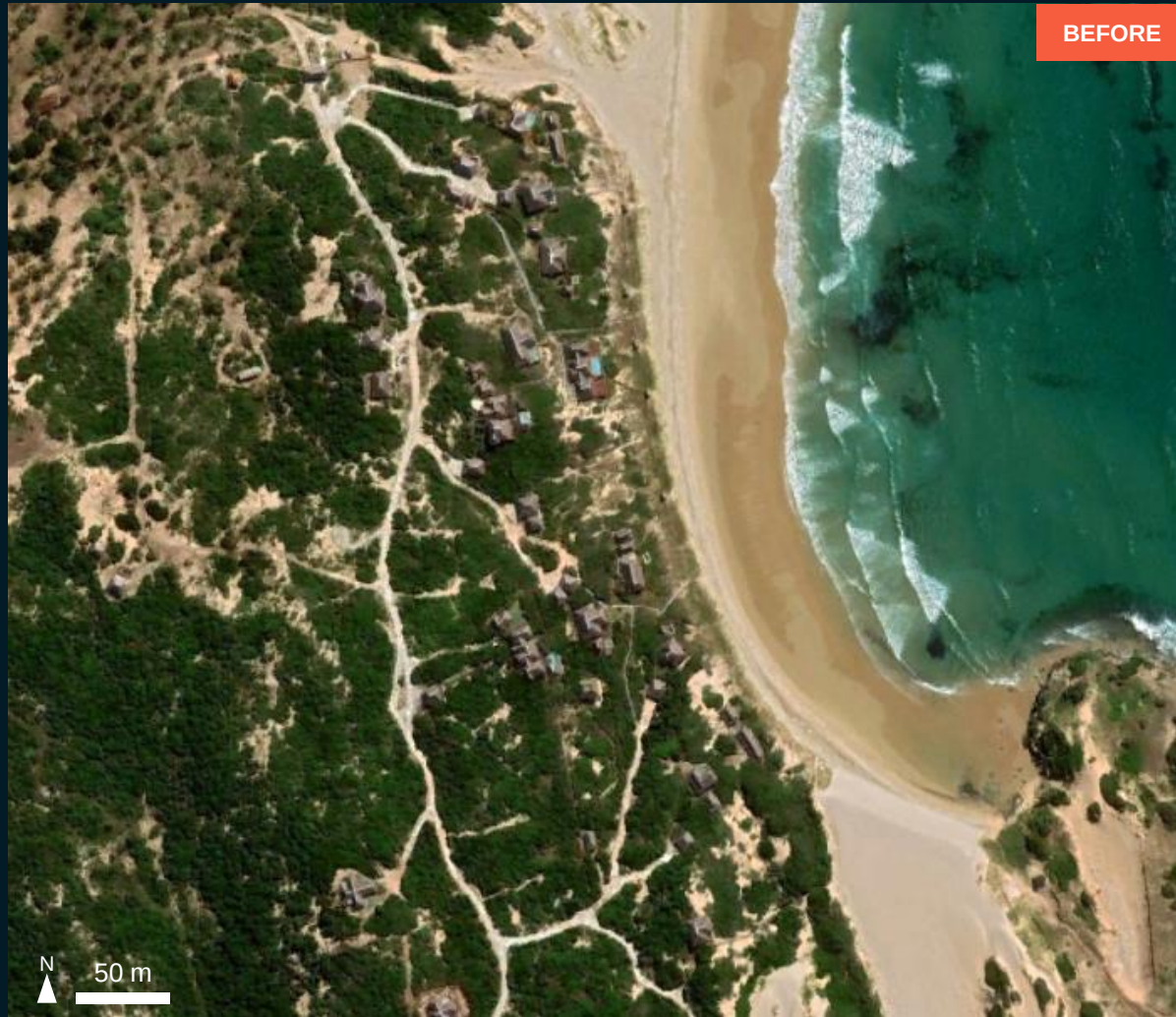
AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

No visible flood or damage observed

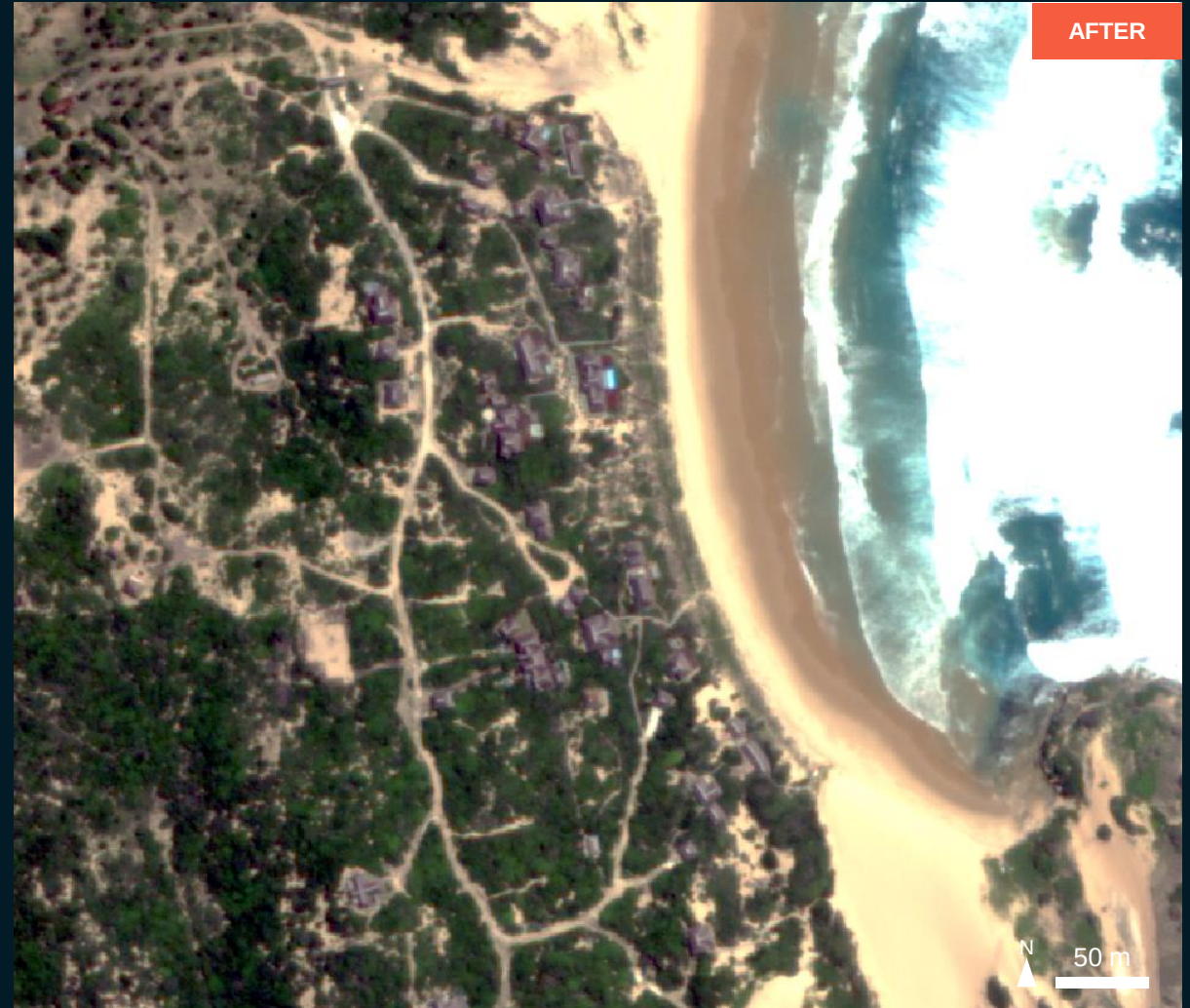
Image center:
35°31'31"E
23°55'26"S



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WorldView / May. 2021



Vision-1 / 5 Mar. 2023

AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

No visible flood or damage observed

Image center:
35°24'7"E
23°56'24"S



BEFORE

WorldView / Aug. 2022



AFTER

Vision-1 / 5 Mar. 2023

AOI 1: CIDADE DE INHAMBANE POSTO, CIDADE DE INHAMBANE DISTRICT, INHAMBANE PROVINCE

No visible flood or damage observed

Image center:
35°24'14"E
23°54'17"S



WorldView / Aug. 2022



Vision-1 / 5 Mar. 2023

SUMMARY OF FINDINGS

- Flood waters observed in the vicinity of Inhambane Airport as of 10 March 2023;
- Flooded structures observed southwest of Inhambane Airport as of 10 March 2023;
- No major flood and no damaged structure observed in the north and east coastal areas of Cidade De Inhambane Posto, Cidade De Inhambane District, Inhambane Province as of 10 March 2023;
- No major flood and no damaged structure observed in the inhabited area of Cidade De Inhambane Posto, Cidade De Inhambane District, Inhambane Province as of 5 March 2023.

NOTE: This is a preliminary analysis and has not yet been validated in the field.

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Data sources:

(1) Satellite Image (Post-event)

Satellite : WorldView-2

Acquisition date : 10 March 2023, 07:42 UTC

Resolution: 50 cm

Copyright: © 2023 DigitalGlobe, Inc., Longmont CO USA 80503.

Source: USGS

Satellite : Vision-1

Acquisition date : 5 March 2023, 08:12 UTC

Resolution: 90 cm

Copyright: © CGSTL (2023)

Source: UK Space Agency & DMCII

(2) Satellite Image (Pre-event)

Satellite : Worldview

Acquisition date : May 21 and Aug. 22

Resolution: 50 cm

Copyright: © 2022 DigitalGlobe, Inc., Longmont CO USA 80503

Source: Google Earth

(3) Ancillary data

Administrative boundaries: Secretariat of the Pacific Community (SPC), Statistics for Development Division and OCHA Office of the Pacific Islands

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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