



7 Nov. 2023

TROPICAL CYCLONE LOLA-23, PRELIMINARY SATELLITE-DERIVED AGRICULTURAL AND DAMAGE ASSESSMENT,



Anuta Island, Temotu Vatu, Temotu Province, Solomon Islands

 Status: Potentially affected observed on agricultural areas

 Further action(s): Continue to assess with the VHR satellite image

SOLOMON ISLANDS



- Exclusive economic zone (EEZ)
- Area of interest
- Islands boundary



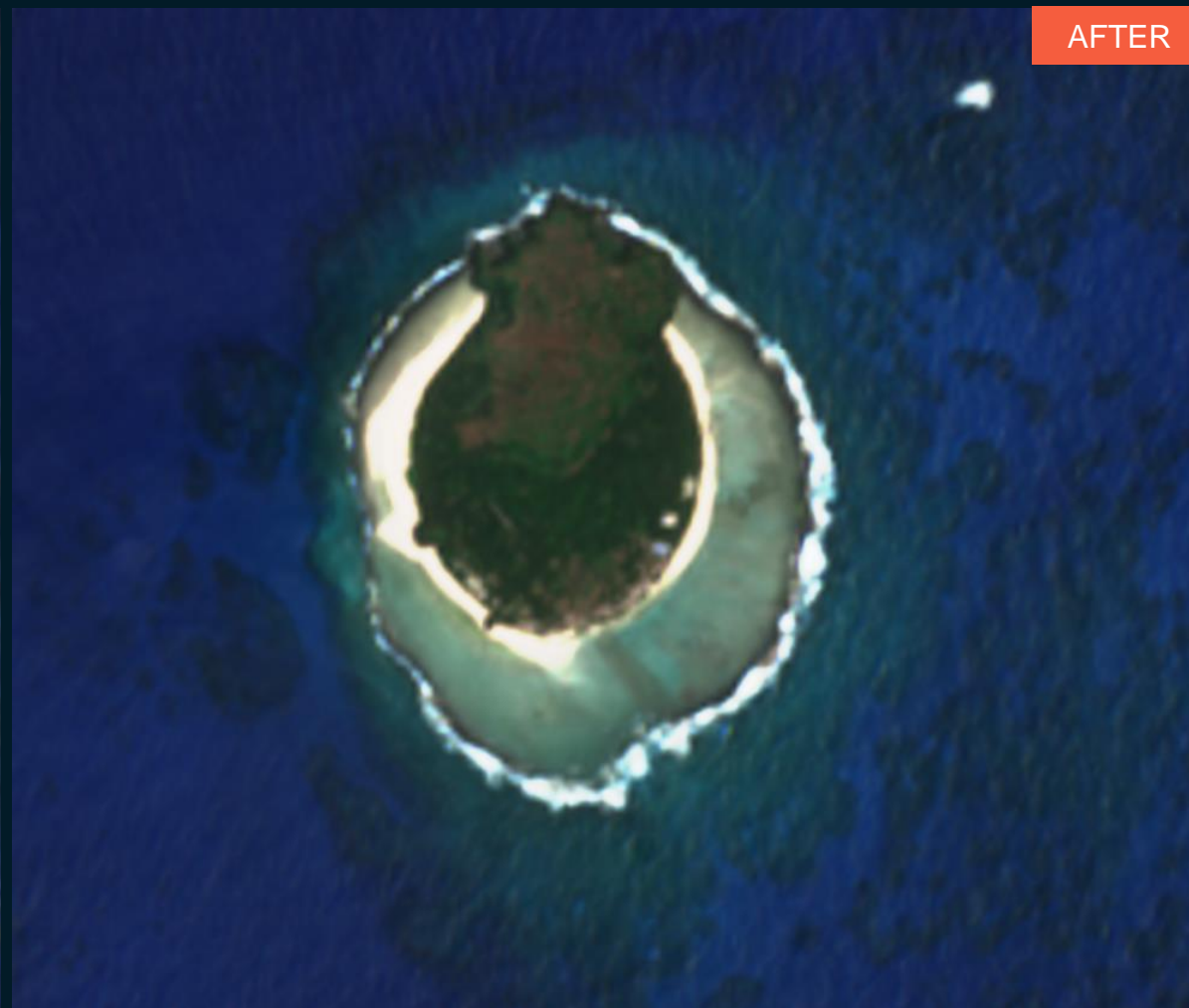
AOI 1 : Anuta Island, Temotu Vatu, Temotu Province

No major vegetation affected

Image center:
11°36'39"S
169°50'59"E



Sentinel-2 / True Color Composite / 2 October 2023



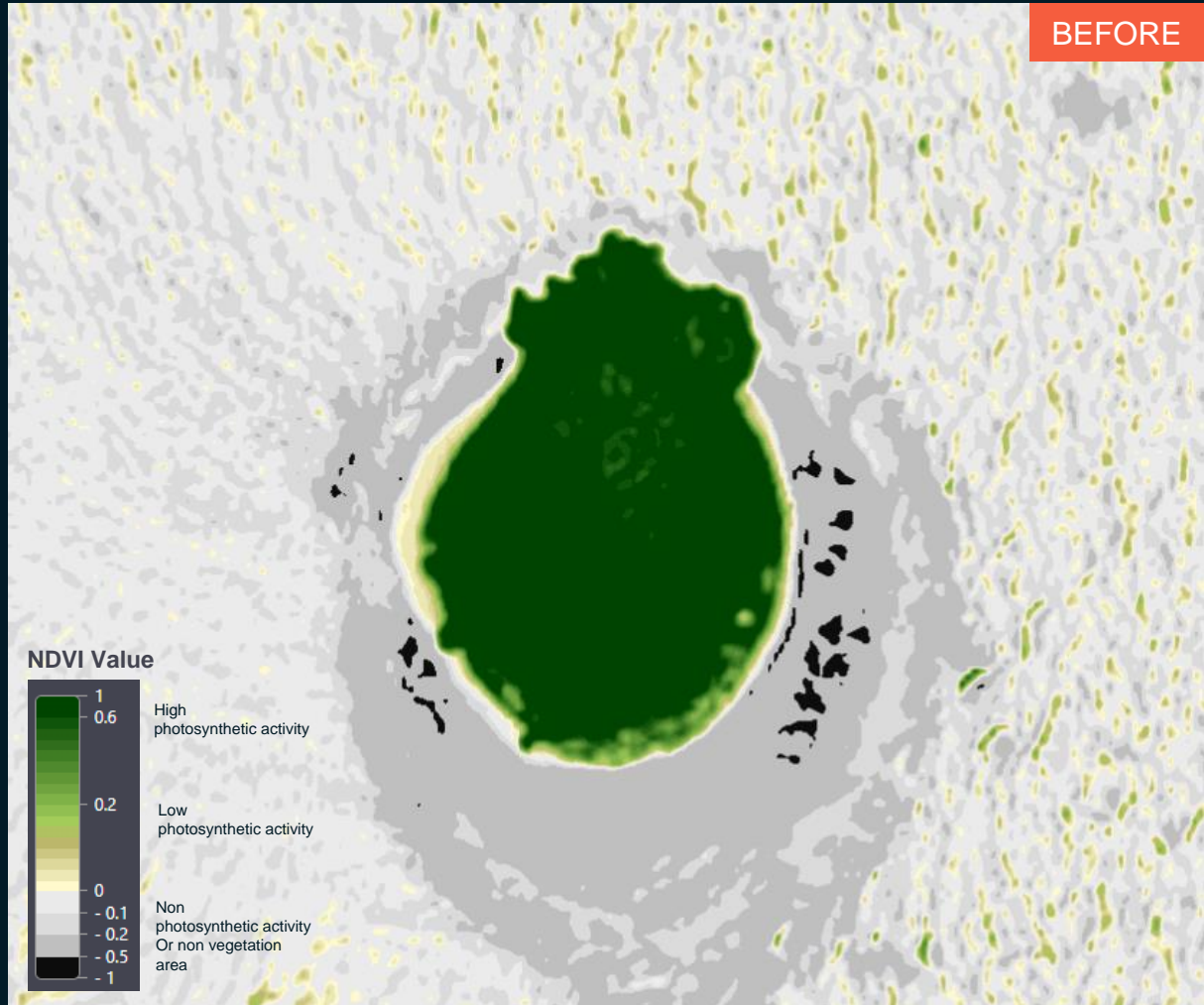
Sentinel-2 / True Color Composite / 27 October 2023

AOI 1 : Anuta Island, Temotu Vatu, Temotu Province

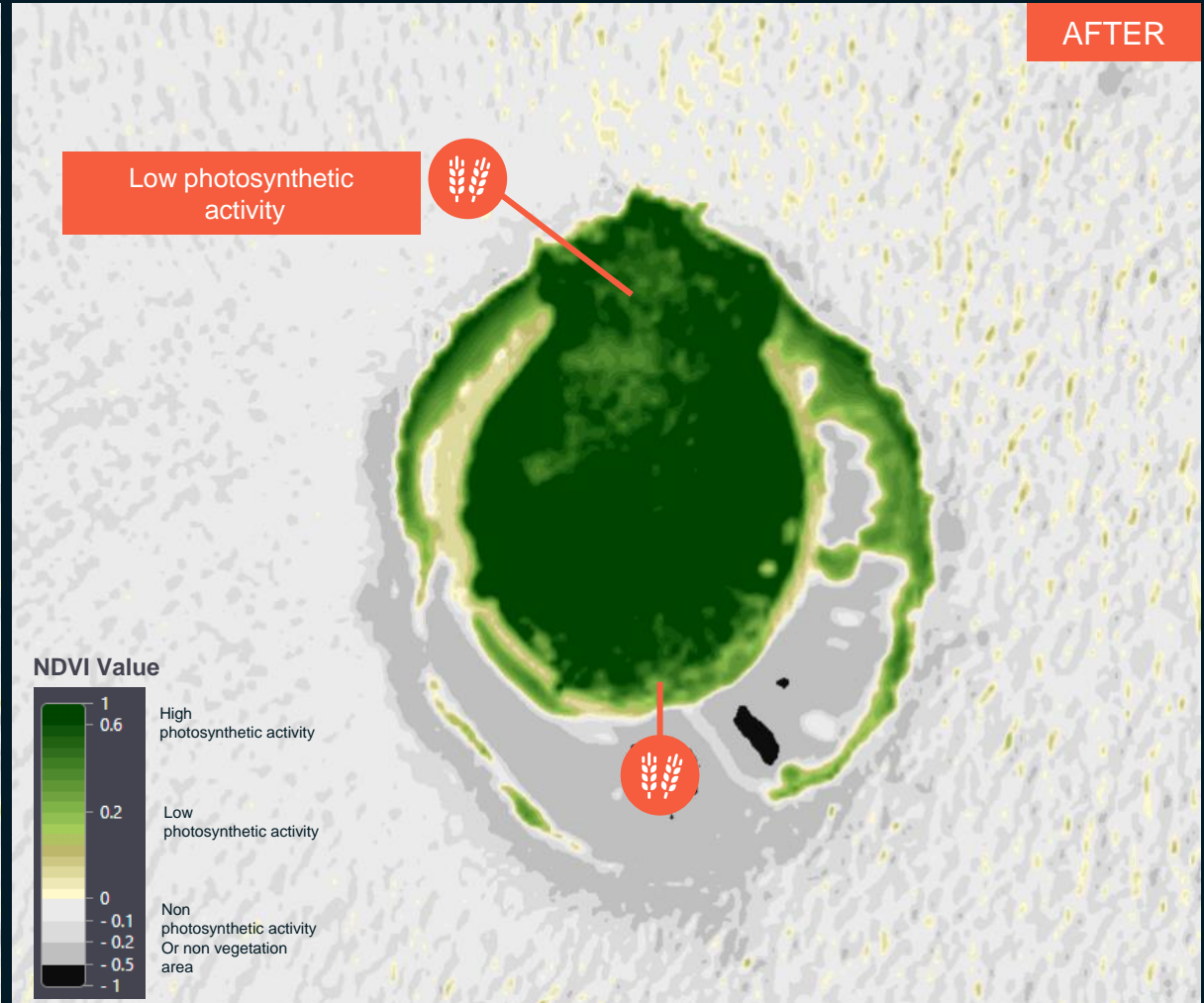
Image center:
11°36'39"S
169°50'59"E



Potentially affected vegetation observed at the northern and southern of the island



Sentinel-2 / NDVI / 2 October 2023



Sentinel-2 / NDVI / 27 October 2023

SUMMARY OF FINDINGS

- No significant impact on agricultural areas could be observed in Anuta Island as of 27 October 2023.
- Decrease of the photosynthetic activity observed in the northern and the southern parts of Anuta Island as of 27 October 2023. This may indicate the potentially affected vegetation area.

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Data sources:

(1) Satellite Image (Post-event): Sentinel-2
Imagery date: 27 October 2023 at 22:59 UTC
Resolution: 10cm
Copyright : Contain modified Copernicus Sentinel Data [2023]
Source : ESA

(2) Satellite Image (Pre-event): Sentinel-2
Imagery date: 2 October 2023 at 22:59 UTC
Resolution: 10cm
Copyright : Contain modified Copernicus Sentinel Data [2023]
Source : ESA

(3) Ancillary data

Populated place: OpenStreetMap
Administrative boundaries: HDX, UNOCHA
Analysis: UNITAR-UNOSAT
Production: UNITAR-UNOSAT

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