


1 Nov. 2023



TROPICAL CYCLONE LOLA-23, PRELIMINARY SATELLITE AGRICULTURAL DAMAGE ASSESSMENT



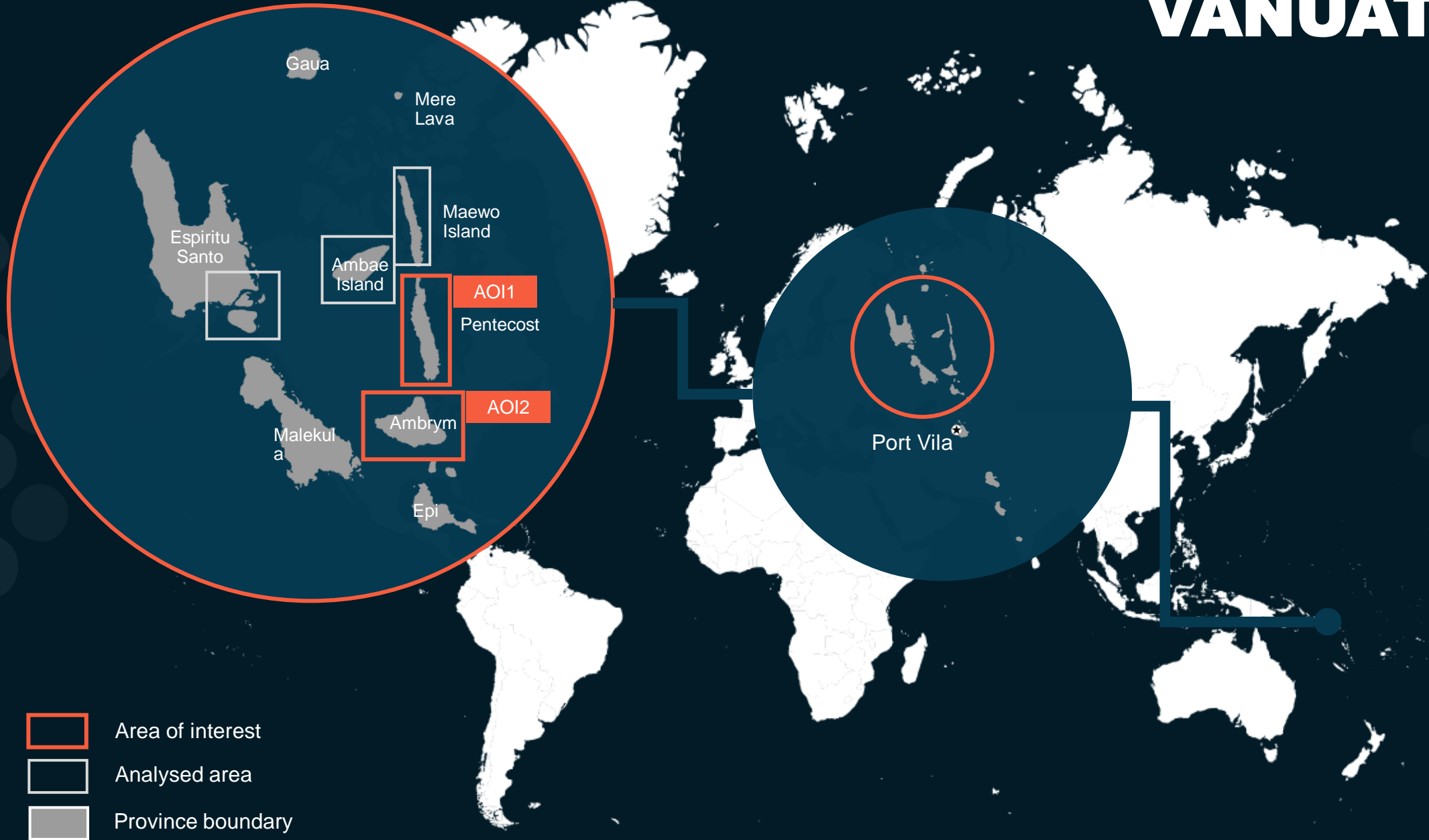
Ambrym Island of Malampa Province, and Pentecost Islands of Penama Province, Vanuatu

 Status: Damaged structures and affected vegetation observed

 Further action(s): Completed



VANUATU



AOI 1-1: Namaram village, Pentecost Island, Central Pentecost 1, Penama Province

Affected vegetation and widespread damaged structures

Image center:
168°7'19"E
15°38'4"S



WorldView-2 / 8 June 2022



WorldView-3/ 29 October 2023 / 09:39 Local Time

AOI 1-2: Bwatnapne village, Pentecost Island, Central Pentecost 1, Penama Province

Affected vegetation and widespread damaged structures

Image center:
168°7'22"E
15°39'59"S



WorldView-2 / 8 June 2022



WorldView-3/ 29 October 2023 / 09:39 Local Time

AOI 1-3: Bwatnapne village, Pentecost Island, Central Pentecost 1, Penama Province

Affected vegetation, widespread damaged structures and damaged road

Image center:
168°11'34"E
15°56'47"S



BEFORE

WorldView-2 / 8 June 2022



AFTER

WorldView-3/ 29 October 2023 / 09:39 Local Time

AOI 2-1: Olal Village, Ambrym Island, North Ambrym, Malampa Province

Damaged structures

Image center:
168°9'45"E
16°6'1"S



BEFORE

WorldView-2 / 28 May 2022



AFTER

Damaged
structures

WorldView-3/ 29 October 2023 / 09:39 Local Time

AOI 2-2: Ranmouhu Village, Ambrym Island, North Ambrym, Malampa Province

Damaged structures

Image center:
168°8'32"E
16°6'6"S



BEFORE

WorldView-2 / 28 May 2022



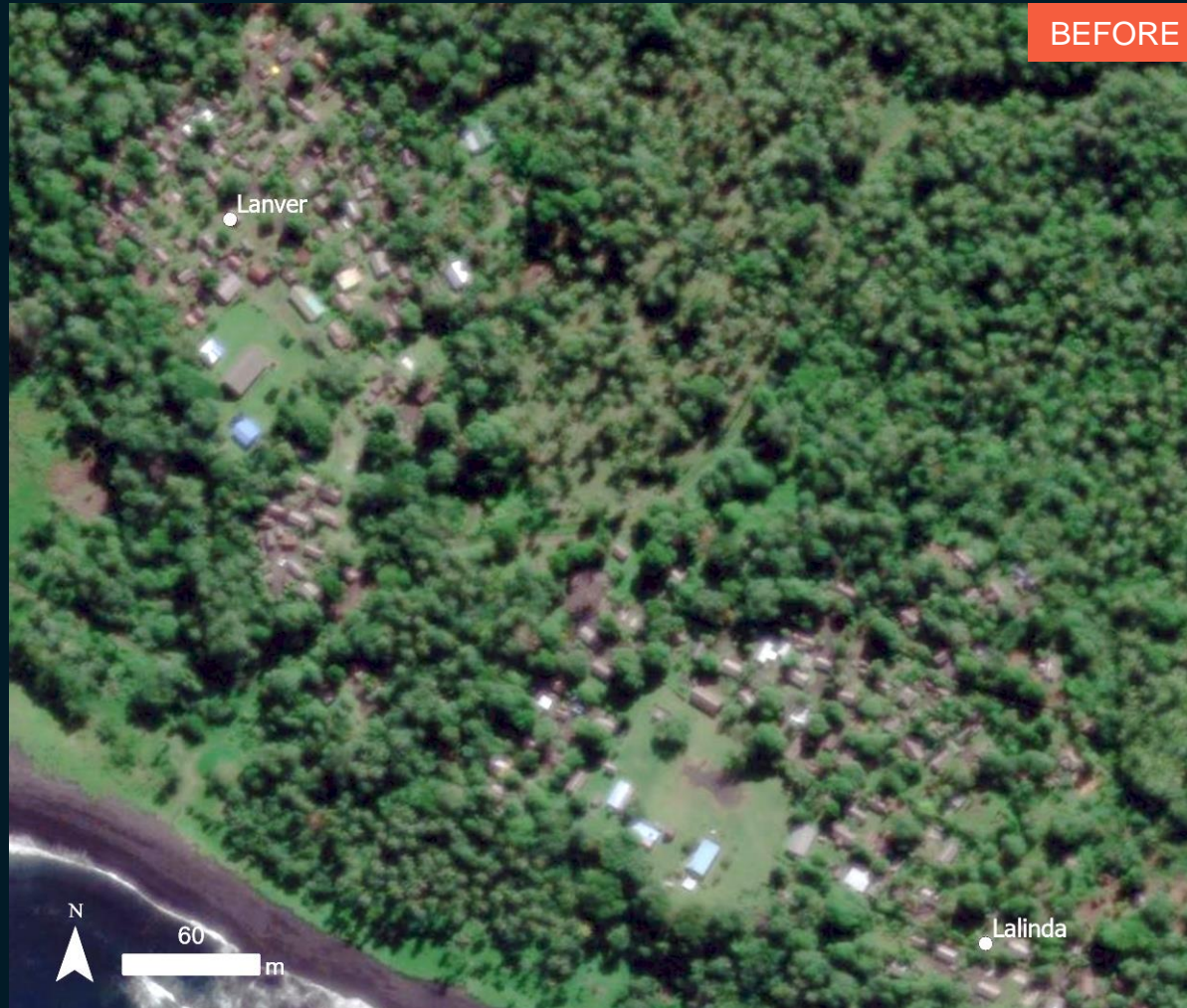
AFTER

WorldView-3/ 29 October 2023 / 09:39 Local Time

AOI 2-3: Lanver and Lalinda Villages, Ambrym Island, North Ambrym, Malampa Province

No major damaged structures

Image center:
168°3'19"E
16°20'23"S



WorldView-2 / 28 May 2022



WorldView-3/ 29 October 2023 / 09:39 Local Time

SUMMARY OF FINDINGS

- Widespread damaged structures and affected vegetation observed in Pentecost Island as of 29 October 2023;
- Damaged road observed in southern part of Pentecost Island as of 29 October 2023;
- Damaged structures observed in North Ambrym Island as of 29 October 2023;
- No major damaged structures observed in southern part of Ambrym Island as of 29 October 2023;
- No significant affected vegetation observed in Ambrym Island as of 29 October 2023;

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Data sources:

(1) Satellite Image (Post-event): WorldView-2
Imagery date: 28 October 2023 at 22:39 UTC
Resolution: 50cm
Copyright: © DigitalGlobe, Inc. (2023)
Source: USGS / HDDS

(2) Satellite Image (Pre-event): ESRI Basemap

(3) Ancillary data

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

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