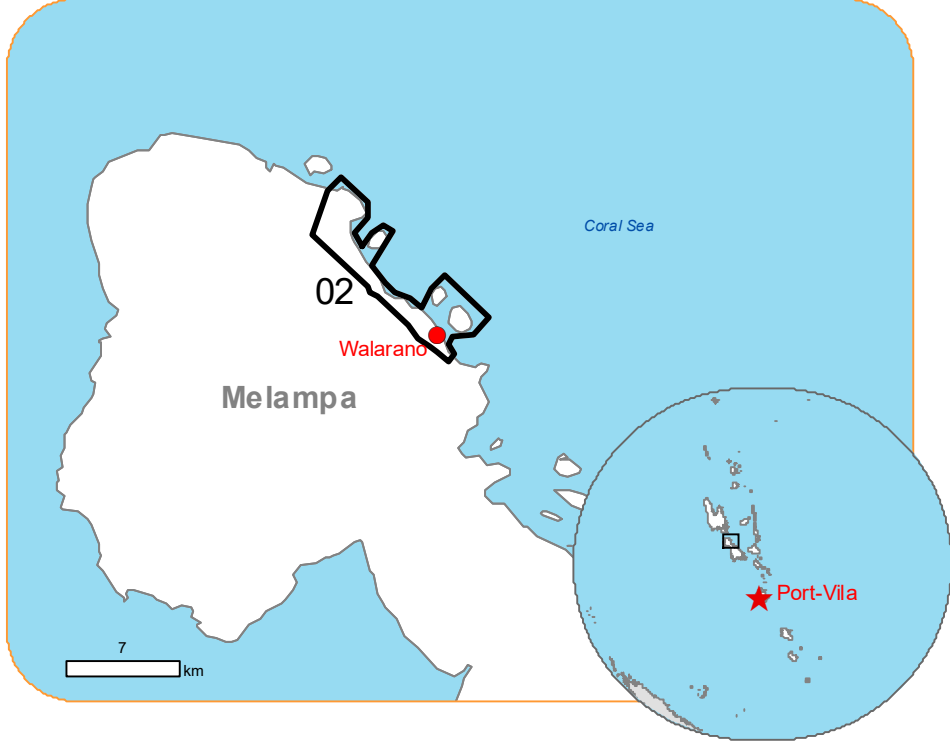




Situation as of 25/10/2023 23:13 UTC
Grading - Overview map 01



Potentially affected population
~ Not available

Affected Built-up and Transportations

Built-Up
74 No.

Crisis Information

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Transportation Grading

- Track, No visible damage
- Local road, No visible damage

General Information

- Area of Interest
- Image Footprint
- Not Analysed

Placenames

- Placename

Hydrography

- River
- Lake

Event: In the evening of 24 October 2023 local time, the Vanuatu archipelago was hit by the passage of a new tropical cyclone, named LOLA, with winds of up to 145 km/h. The cyclone has passed Solomon Island, and will have an impact on parts of Vanuatu. The event is on-going and increasing over the next 48 hours with very heavy rainfall, strong wind and storm surge are forecast over the whole Vanuatu with damage expected to affect buildings and infrastructure. Copernicus EMS Rapid Mapping is requested to provide damage assessment emergency mapping.

Data sources and analysis: Pre-event image: WorldView-2 © Maxar Technologies, Inc. (2023), (acquired on 11/09/2023 at 23:04 UTC, resolution 0.5 m).
Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 25/10/2023 at 23:13 UTC, resolution 0.5 m). This image is used as background image.
All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer. Copernicus Global Land Service: Land Cover (2019).
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2023
https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php
Digital Elevation Model: SRTM (30 m) (NASA/USGS) provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by Telespazio Iberica released by e-GEOS on the 26/10/2023.

Details on this activation and service conditions available through the QR code or at the link:
<https://rapidmapping.emergency.copernicus.eu/EMSR702>



Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damage*	Total affected**	Total in AOI
Estimated population	Number of inhabitants					NA	~ 4,200
Built-up	Residential Buildings	No.	10	18	46	74	3,325
	School, university and research buildings	No.	0	0	0	0	1
	Other non-residential buildings	No.	0	0	0	0	90
Transportation	Local Road	km	0	0	0	0	8.8
	Cart Track	km	0	0	0	0	7.2
Facilities	Sport and recreation constructions	ha	0	0	0	0	0.4
Land use	Forests	ha				0	1,750.7
	Other	ha				0	1,241.2
	Shrub and/or herbaceous vegetation association	ha				0	308.4
* Presence of damage proxies and proximity with destroyed/damaged asset ** Sum of all damage classes							

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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Data access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data).

The table above is available in editable format in the Crisis Information Package.

All products and data are also available for download on the portal.

Access to the portal



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