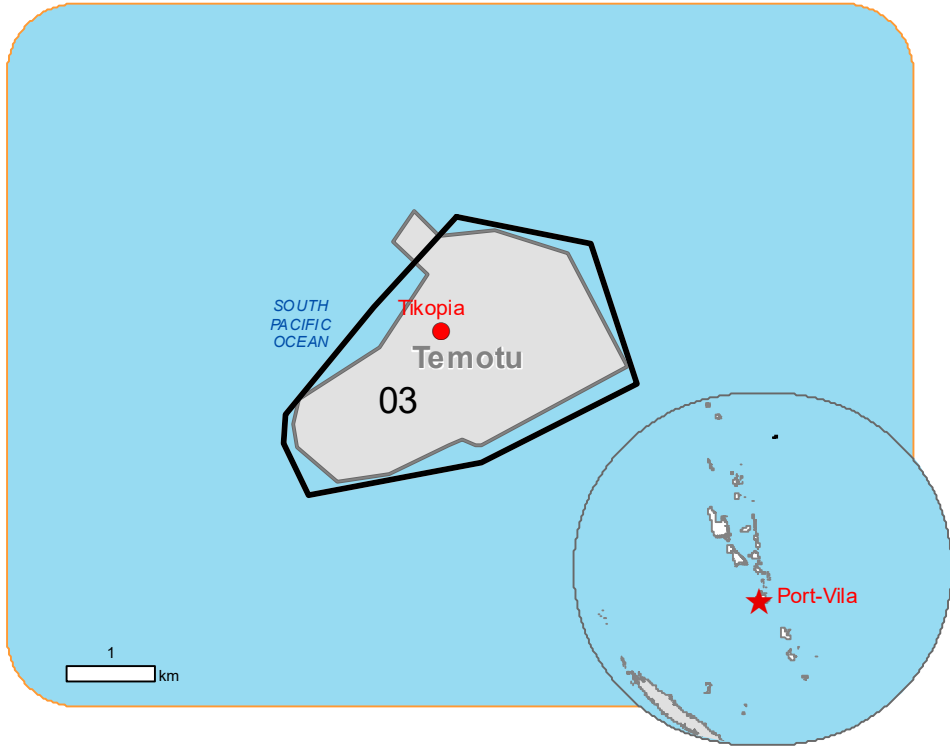



Situation as of 29/10/2023 23:08 UTC
Grading MONIT01 - Overview map 01






 Potentially affected population
~ Not available

Affected Built-up and Transportations


 Built-Up
62 No.

Crisis Information


Built Up Grading

-  Destroyed
-  Damaged
-  Possibly damaged

Transportation Grading


 Track, No visible damage

General Information


 Area of Interest

 Not


Placenames

 Placename

Hydrography

 Coastline

 Lake

 Land Subject to Inundation

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: Pléiades-1A/B © CNES (2021) distributed by Airbus DS (acquired on 26/06/2021 at 22:59 UTC, resolution 0.5 m).

Post-event image: Pléiades Neo © CNES (2023) distributed by Airbus DS (acquired on 29/10/2023 at 23:08 UTC, resolution 0.3 m). This image is used as background image. All images are provided under COPENICUS 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: FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLD 30 Digital Elevation Model (DEM) (Airbus,2020).

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

Map produced by e-GEOS released by e-GEOS on the 15/11/2023.

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	~ 1.200
Built-up	Unclassified	No.	7	11	44	62	235
Transportation	Cart Track	km	0	0	0	0	0,3
Land use	Other	ha	0	0	0	0	779,1
* 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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