





EMSR851 - AOI20

Flood in Sri Lanka

KALUWA VAADI

Situation as of 22/12/2025 11:25 UTC

Grading - Overview map 01





Flooded area

67.6 ha



Potentially affected population

~ Not available

Affected Built-up and Transportations



Road

0.2 km



Built-up

11 No.

Crisis Information

- Flooded Area

Built Up Grading

- Possibly damaged

Transportation Grading

- Road, Damaged
- Road, Possibly damaged

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

General Information

- Area of Interest

Hydrography

- Lake, River


Event: On the 27 November 2025, Tropical Cyclone DITWAH-25 formed over Sri Lanka. The event caused heavy damage across the country, with floods, landslides and mudslides reported. Copernicus EMS Rapid Mapping was requested to provide flood extent and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 22/08/2023, resolution 1.2 m). Post-event image: Legion © Vantor (2025), provided by European Space Imaging (acquired on 22/12/2025 at 11:25 UTC, resolution 0.4 m). This image is used as background image. All images are 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 e-GEOS released by e-GEOS on the 23/12/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR851>



Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation*
Crisis information	Flooded area		ha	67,6
	Maximum of all extents**		ha	67,6

Estimated population		Inhabitants	No.	Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
							NA	~ 20
Assets	Built-up	Unclassified	No.	0	0	11	11	295
		Highways	km	0	0	0	0	3,2
		Local Road	km	0	0	0,1	0,1	8,7
		Cart Track	km	0	0,01	0,1	0,1	3,7
	Facilities	Constructions for mining or extraction	ha	0	0	0	0	0,00
	Land use	Shrub and/or herbaceous vegetation association	ha				57,6	362,5
		Open spaces with little or no vegetation	ha				3,6	21,0
		Forests	ha				3,1	97,3
		Other	ha				3,1	177,0
		Inland wetlands	ha				0,3	13,2

* Corresponds to the water surface observed in the most recent satellite imagery, excluding permanent water.
** Corresponds to the geographic union (and NOT the sum) of all Crisis Information layers.
*** It is intersected with the population and asset datasets to estimate the impacts.
**** Sum of all damage classes

Disclaimer:
Full disclaimer and other helpful information available in the online manual:
<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>
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Data Access:
All data displayed on the map(s), as well as Land Use - Land Cover layer(s), 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.

Estimated Population:
Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:
Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2025); Wikimapia.org; GeoNames 2015;
Global Administrative Areas (2022), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Digital Elevation Model:
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30 Digital Elevation Model (DEM) (Airbus, 2020).

Access to the portal

