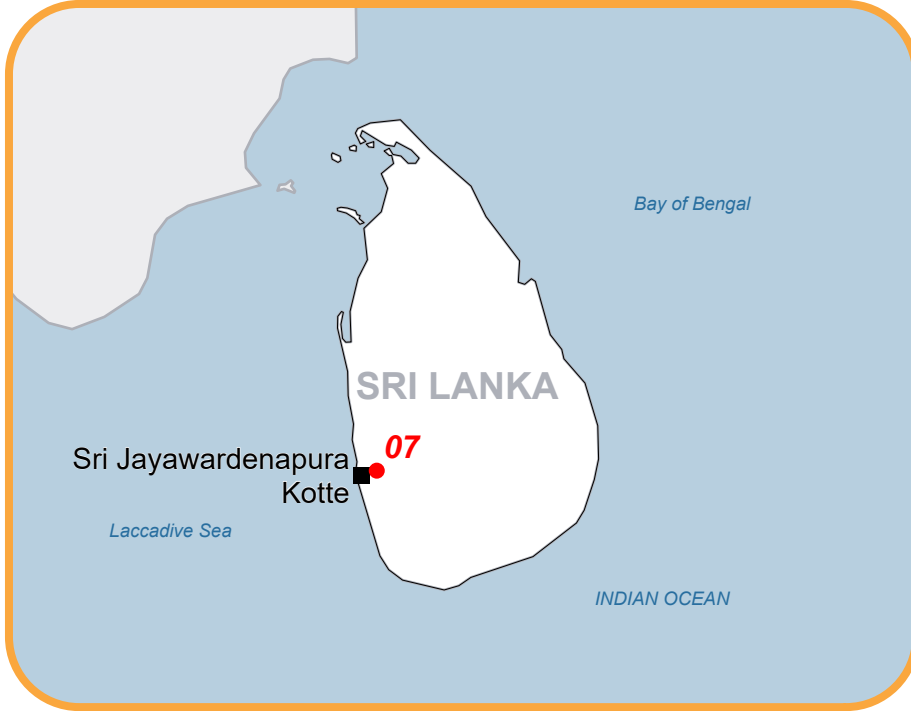




EMSR851 - AOI07
Flood in Sri Lanka
MALWANA

Situation as of 04/12/2025 05:14 UTC
Grading - Overview map 01






Flooded area
476.7 ha




Potentially affected
population
~ 2,700

Affected Built-up and Transportations



Built-Up
549 No.



Road
26.1 km

Crisis Information

- Flooded Area

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Possibly damaged

Transportation Grading

- Road, Possibly damaged
- Highway, No visible damage
- Main road, No visible damage

General Information

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

Administrative Boundaries

- Region
- Province

Placenames

- Placename

Hydrography

- Lake, River

Area of Interest

- Not Analysed


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

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 24/01/2024, resolution 1.0 m). Post-event image: GeoEye © Vantor (2025), provided by European Space Imaging (acquired on 04/12/2025 at 05:14 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.


The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

Map produced by Telespazio Iberica released by e-GEOS on the 05/12/2025.

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



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Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation*
Crisis Information	Flooded area		ha	476.7
	Maximum of all extents**		ha	476.7

				Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
Estimated population	Inhabitants	No.					~ 2,700	~ 77,000
Assets	Built-up	Residential Buildings	No.	54	55	440	549	16,617
		Wholesale and retail trade buildings	No.	0	0	0	0	23
		Industrial buildings	No.	0	0	0	0	46
		Reservoirs, silos and warehouses	No.	0	0	0	0	1
		School, university and research buildings	No.	0	0	0	0	4
		Buildings used as places of worship and for religious activities	No.	0	0	0	0	2
	Transportation	Highways	km	0	0	0	0	5.7
		Primary Road	km	0	0	0	0	17.2
		Secondary Road	km	0	0	0.3	0.3	9.6
		Local Road	km	0	0	19.1	19.1	201.8
		Cart Track	km	0	0	6.8	6.8	33.1
	Facilities	Settling Basin	ha	0	0	0	0	0.8
		Constructions for mining or extraction	ha	0	0	22.4	22.4	26.6
		Sport and recreation constructions	ha	0	0	0	0	0.4
		Other civil engineering works not elsewhere classified	ha	0	0	0	0	5.9
		Long-distance pipelines, communication and electricity lines	km	0	0	0	0	16.1
	Land use	Forests	ha				355.6	2,569.2
		Other	ha				85.8	1,288.8
		Heterogeneous agricultural areas	ha				34.7	128.1
		Inland wetlands	ha				0.5	19.2
		Shrub and/or herbaceous vegetation association	ha				0.1	8.4

* 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

