



EMSR851 - AOI04
Flood in Sri Lanka
HAKGALA

Situation as of 02/12/2025 05:25 UTC
Grading - Overview map 01



Flood trace
6.5 ha

Potentially affected population
~ 100

Affected Built-up and Transportations

Built-Up
59 No.

Road
0.8 km

- Crisis Information**
- Flood trace
- Built Up Grading**
- Destroyed
 - Damaged
 - Possibly damaged
- Transportation Grading**
- Road, Destroyed
 - Road, Damaged
 - Road, Possibly damaged
 - Highway, No visible damage
- General Information**
- Main road, No visible damage
 - Local road, No visible damage
 - Track, No visible damage
- Administrative Boundaries**
- Area of Interest
 - Region
 - Province
- Placenames**
- Placename

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: Legion © Vantor (2025), provided by European Space Imaging (acquired on 05/09/2025 at 04:06 UTC, resolution 0.3 m). Post-event image: Pléiades Neo © CNES (2025), distributed by Airbus DS (acquired on 02/12/2025 at 05:25 UTC, resolution 0.3 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.

Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation*
Crisis information	Flood trace		ha	6.5
	Maximum of all extents**		ha	6.5

Estimated population		Inhabitants	No.	Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
Assets		Built-up	No.	3	16	40	~ 100	~ 6,200
		Residential Buildings	No.	0	0	0	59	1,389
		Other non-residential buildings	No.	0	0	0	0	1
		Transportation	km	0.2	0.1	0.1	0.4	4.2
		Highways	km	0.1	0.1	0	0.2	1.4
		Secondary Road	km	0	0	0	0	2.8
		Local Road	km	0	0	0	0	13.9
		Cart Track	km	0.1	0	0.1	0.2	
		Facilities	ha	0	0	0	0	10.1
		Sport and recreation constructions	ha	0	0	0	0	4.8
		Long-distance pipelines, communication and electricity lines	km	0	0	0	0	
		Land use	ha				6.5	397.5
		Heterogeneous agricultural areas	ha				0	5.1
		Forests	ha					

* 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; Corine Land Cover (CLC) 2018; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

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

