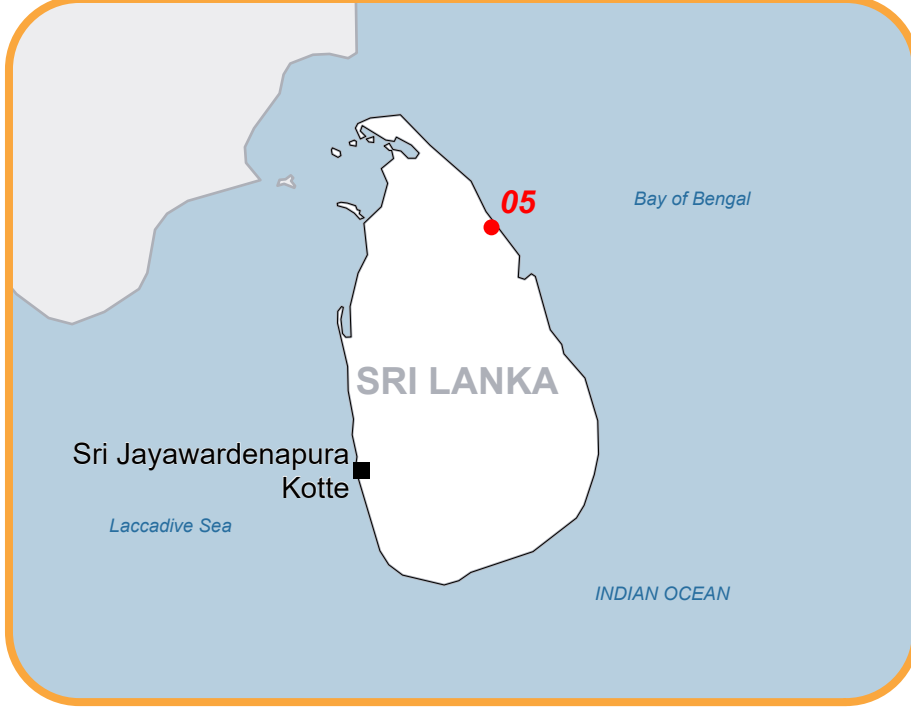


Situation as of 02/12/2025 05:06 UTC
Delineation - Overview map 01



 **Flooded area**
EO-based 236.1 ha
Model-based 430.2 ha

 **Potentially affected population**
~ 200

Potentially Affected Built-up and Transportations

 **Road**
6.1 km

 **Built-Up**
11.4 ha

Estimated flood depth (m)

- Below 0.50
- 0.50 to 1.00
- 1.00 to 2.00
- 2.00 to 4.00

General Information

- Area of Interest
- Not Analysed

Administrative Boundaries

- Province

Built-Up Area

- Residential
- School, university and research buildings
- Hospital or institutional care buildings

Hydrography

- Lake, River
- Dam

Transportation

- Main road
- Local road
- Track

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.

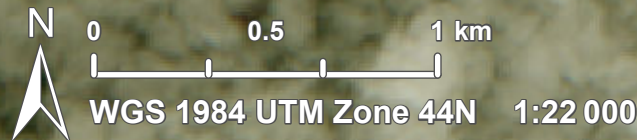
Data sources and analysis: Pre-event image: Sentinel-2A/B (2025) (acquired on 13/09/2025 at 05:06 UTC, resolution 10.0 m).
Post-event image: Sentinel-2A/B (2025) (acquired on 02/12/2025 at 05:06 UTC, resolution 10.0 m).
This image is used as background image.
All images are provided under COPERNICUS 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.

The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by SERTIT released by e-GEOS on the 02/12/2025.

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

			Unit of measurement	LATEST IMPACT		
				EO-based observation*	Model-based observation	EO- and Model-based observation
Crisis information	Flooded area		ha	236.1	430.2	666.3
	Maximum of all extents**		ha	236.1	430.2	666.3

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 50	~ 150	~ 200	~ 11 000
Assets	Built-up	Residential Buildings	ha	3.6	7.2	10.8	404.4
		School, university and research buildings	ha	0	0.5	0.5	2.8
		Hospital or institutional care buildings	ha	0	0	0	0.3
	Transportation	Secondary Road	km	1.2	2.1	3.4	11.5
		Local Road	km	0.1	0.4	0.5	52.3
		Cart Track	km	0.2	2.2	2.3	57.7
	Facilities	Dams	ha	0	0	0	0
	Land use	Heterogeneous agricultural areas	ha	179.5	308.5	488.0	2 340.6
		Forests	ha	28.2	56.5	84.7	2 934.7
		Shrub and/or herbaceous vegetation association	ha	14.8	18.5	33.2	65.8
		Other	ha	9.6	38.1	47.7	1 001.2
		Inland wetlands	ha	4.0	7.9	11.9	70.6
		Open spaces with little or no vegetation	ha	0	0.8	0.8	6.0

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water
** Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

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

