



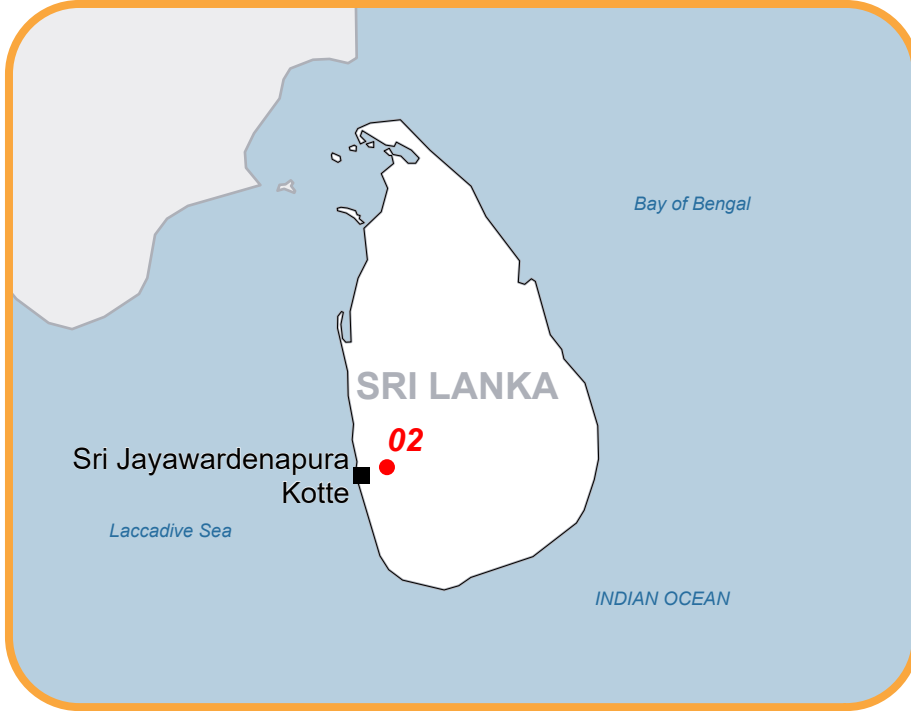
EMSR851 - AOI02


Flood in Sri Lanka

KELANI GANGA RIVER


Situation as of 30/11/2025 05:39 UTC

Delineation - Overview map 01





Flooded area  
EO-based 3,377.0 ha  
Model-based 3,382.3 ha



Potentially affected population  
~ 149,000

Potentially Affected Built-up and Transportations



Built-Up  
192.3 ha



Road  
426.4 km

Estimated flood depth (m)

Below 0.50

0.50 to 1.00

1.00 to 2.00

2.00 to 4.00

Above 4.00

Facilities

Long-distance pipelines or lines

Water or Aquatic infrastructure

Mining or extraction site

Power plant

Sport and recreation constructions

Dump Site

Water or Aquatic infrastructure

General Information

Area of Interest

Region

Province

Placenames

Placename

Administrative Boundaries

Region

Province

Placenames

Placename

Built-Up Area

Residential

Non residential

Transportation

Highway

Main road

Track

Railway

**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 2.5 m). Post-event image: PlanetScope © Planet, 2025 (acquired on 30/11/2025 at 05:39 UTC, resolution 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 by means of visual interpretation.

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 GAF AG 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

Consequences within the AOI			LATEST IMPACT			
			Unit of measurement	EO-based observation*	Model-based observation	EO- and Model-based observation
Crisis information	Flooded area		ha	3.377,0	3.382,3	6.759,3
	Maximum of all extents**		ha	3.377,0	3.382,3	6.759,3

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
				~ 39,000	~ 110,000	~149,000	~ 810,000
Estimated population		Inhabitants	No.				
Assets	Built-up	Residential Buildings	ha	17,4	62,4	79,9	323,7
		Office buildings	ha	1,6	10,7	12,4	23,2
		Wholesale and retail trade buildings	ha	0,04	0,1	0,2	1,2
		Industrial buildings	ha	38,3	54,8	93,2	461,5
		School, university and research buildings	ha	2,9	2,5	5,3	41,8
		Hospital or institutional care buildings	ha	0	0	0	8,2
		Military	ha	0,3	0,7	1,1	36,0
		Cemetery	ha	0,4	0	0,4	5,6
		Highways	km	8,3	22,1	30,3	83,1
		Primary Road	km	17,8	9,0	26,8	55,5
	Transportation	Secondary Road	km	23,5	9,6	33,1	98,4
		Local Road	km	118,4	163,4	281,9	1.310,2
		Cart Track	km	26,7	27,5	54,2	186,2
		Long-distance railways	km	0,1	6,8	6,9	47,2
		Settling Basin	ha	0,2	0,4	0,6	11,1
	Facilities	Constructions for mining or extraction	ha	13,9	9,4	23,3	79,1
		Power plant constructions	ha	0	5,2	5,2	24,2
		Sport and recreation constructions	ha	0,2	0,9	1,1	19,6
		Other civil engineering works not elsewhere classified	ha	0,2	0,7	0,9	12,9
		Long-distance pipelines, communication and electricity lines	km	19,3	16,4	35,6	108,7
		Breakwater	km	0	0,4	0,4	0,6
	Land use	Forests	ha	2.393,5	1.887,3	4.280,8	13.675,4
		Other	ha	838,1	1.411,8	2.249,9	9.595,3
		Heterogeneous agricultural areas	ha	131,1	57,4	188,6	272,6
		Inland wetlands	ha	8,5	11,0	19,5	51,7
		Shrub and/or herbaceous vegetation association	ha	5,7	14,9	20,6	62,4

\* 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;

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



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