



EMSR851 - AOI05

Flood in Sri Lanka

PULMODDAI

Situation as of 04/12/2025 05:09 UTC
Grading MONIT01 - Overview map 01





Flooded area

94.3 ha



Flood trace

26.3 ha



Potentially affected population

~ 300

Affected Built-up and Transportations



Built-Up










116 No.








Road

0.6 km

Crisis Information

-  Flooded Area
-  Flood trace
- Built Up Grading**
 -  Damaged
 -  Possibly damaged
- Transportation Grading**
 -  Road, Damaged
 -  Road, Possibly damaged
 -  Main road, No visible damage
 -  Local road, No visible damage
 -  Track, No visible damage

General Information

-  Area of Interest
-  Detail map
-  Not Analysed
- Administrative Boundaries**
 -  Province
- Hydrography**
 -  Lake, River

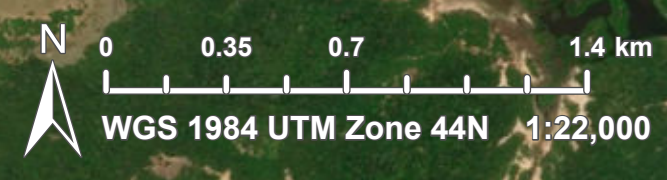
Event: On the 27 November 2025, Tropical Cyclone DITWAH-25 formed over Sri Lanka. The event has caused heavy damage across the country, with floods, landslides and mudslides reported. Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

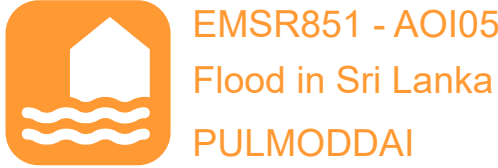
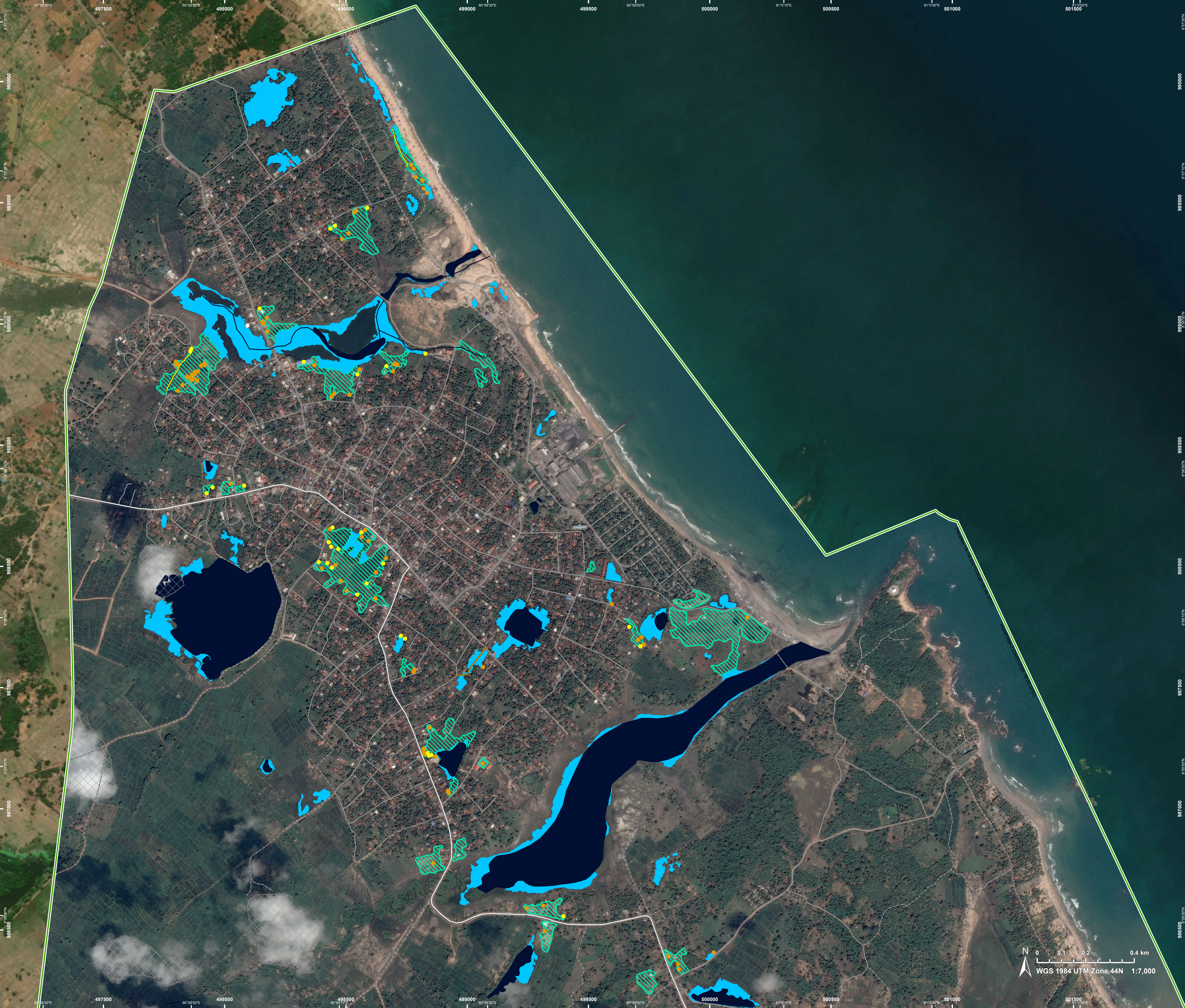
Data sources and analysis: Pre-event image: [WorldView-2] © Maxar Technologies, Inc. (2025), (acquired on 29/07/2025 at 16:20 UTC, resolution 0.5 m). [WorldView-2] © Maxar Technologies, Inc. (2024), (acquired on 02/07/2025 at 04:53 UTC, resolution 0.5 m). Post-event image: Pleiades-1A/B © CNES (2025), distributed by Airbus DS (acquired on 04/12/2025 at 05:09 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.

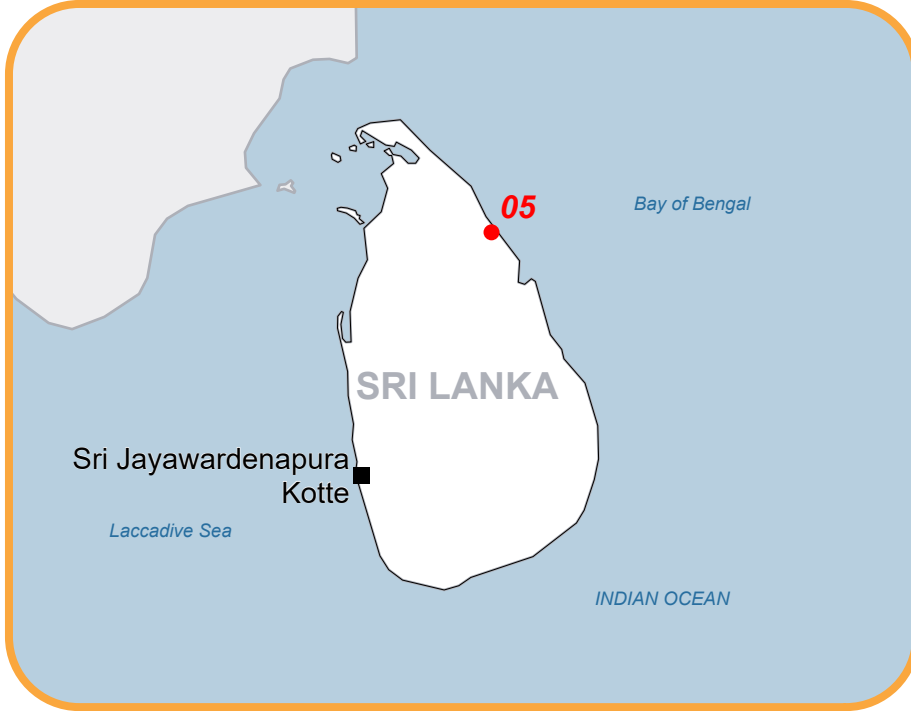
Map produced by Telespazio Iberica released by e-GEOS on the 05/12/2025.

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





Situation as of 04/12/2025 05:09 UTC
Grading MONIT01 - Detail map 02



- Crisis Information**

 - Flooded Area
 - Flood trace
 - Built Up Grading**
 - Damaged
 - Possibly damaged
 - Transportation Grading**
 - Road, Damaged
 - Road, Possibly damaged
 - Main road, No visible damage
 - Local road, No visible damage
 - Track, No visible damage
- General Information**

 - Area of Interest
 - Not Analysed
 - Hydrography**
 - Lake, River

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.

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Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation*
Crisis information	Flood trace		ha	26.3
	Flooded area		ha	94.3
	Maximum of all extents**		ha	120.6

				Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
Estimated population		Inhabitants	No.				~ 300	~ 11,000
Assets	Built-up	Residential Buildings	No.	0	81	29	110	5,767
		Office buildings	No.	0	0	0	0	12
		Institutional	No.	0	0	0	0	8
		Wholesale and retail trade buildings	No.	0	0	0	0	3
		School, university and research buildings	No.	0	1	5	6	29
		Other buildings not elsewhere classified	No.	0	0	0	0	1
		Hotel buildings	No.	0	0	0	0	1
	Transportation	Secondary Road	km	0	0	0	0	11.5
		Local Road	km	0	0.2	0.2	0.4	52.3
		Cart Track	km	0	0	0.2	0.2	57.3
	Facilities	Dams	ha	0	0	0	0	0
	Land use	Heterogeneous agricultural areas	ha				62.2	2,340.6
		Forests	ha				21.8	2,934.7
		Other	ha				19.8	1,001.2
		Shrub and/or herbaceous vegetation association	ha				8.9	65.8
		Inland wetlands	ha				7.0	70.6
		Open spaces with little or no vegetation	ha				0.9	6.0

* 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



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EUROPEAN UNION

