











 Flood area
11.8 ha
Landslide
0.4 ha

 Potentially affected
population
~ 20

Crisis Information
 Flooded Area
 Landslide
Transportation Grading
 Highway, No visible
damage
 Main road, No visible
damage
 Local road, No visible
damage

 Track, No visible damage
General Information
 Area of Interest
 Detail map
Placenames
 Placename
Hydrography
 Lake, River

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

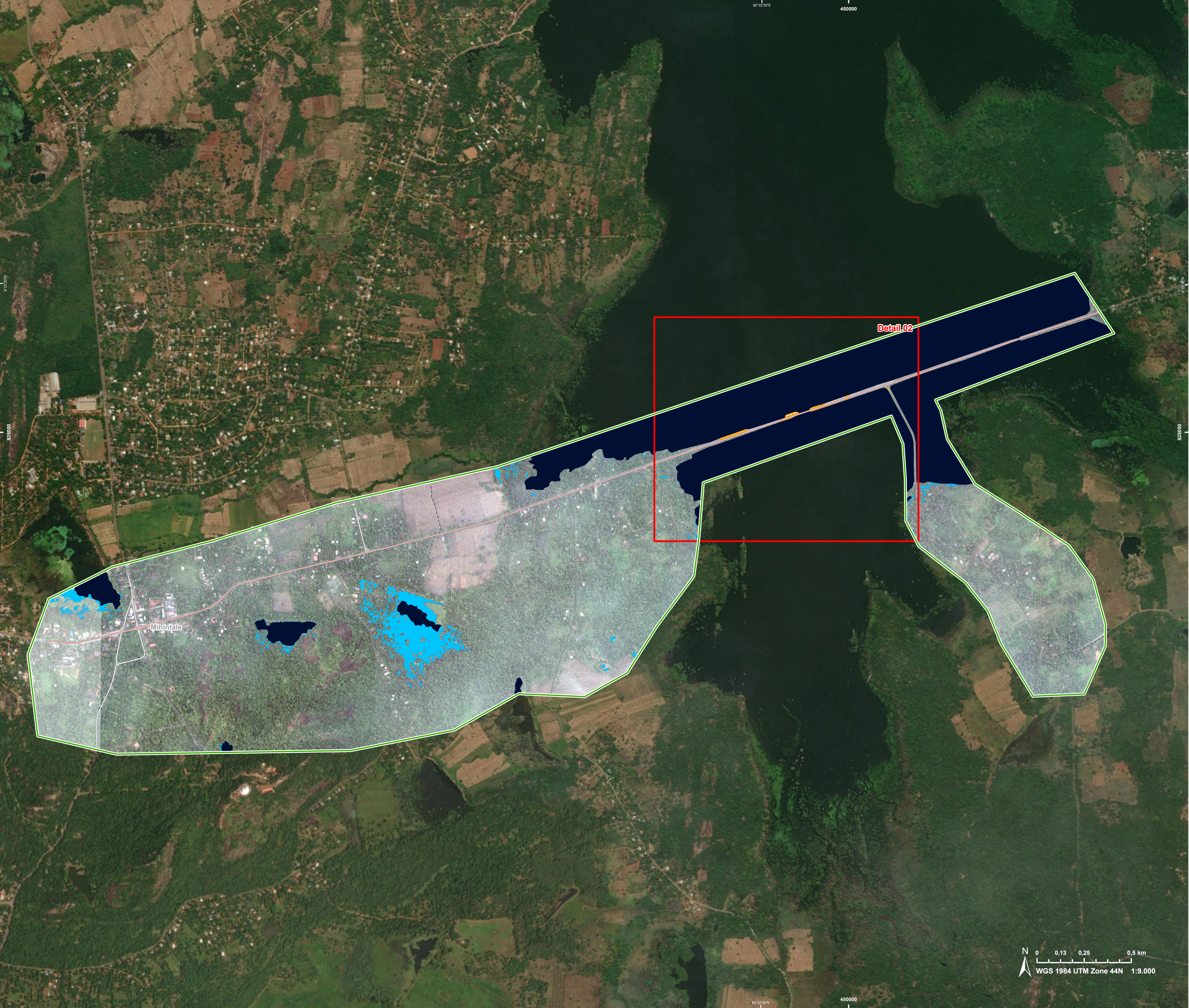
Data sources and analysis: Pre-event image: WorldView-2 © Vantor (2024), provided by European Space Imaging (acquired on 04/08/2024 at 05:05 UTC, resolution 0,5 m). Post-event image: Legion © Vantor (2025), provided by European Space Imaging (acquired on 21/12/2025 at 11:43 UTC, resolution 0,3 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

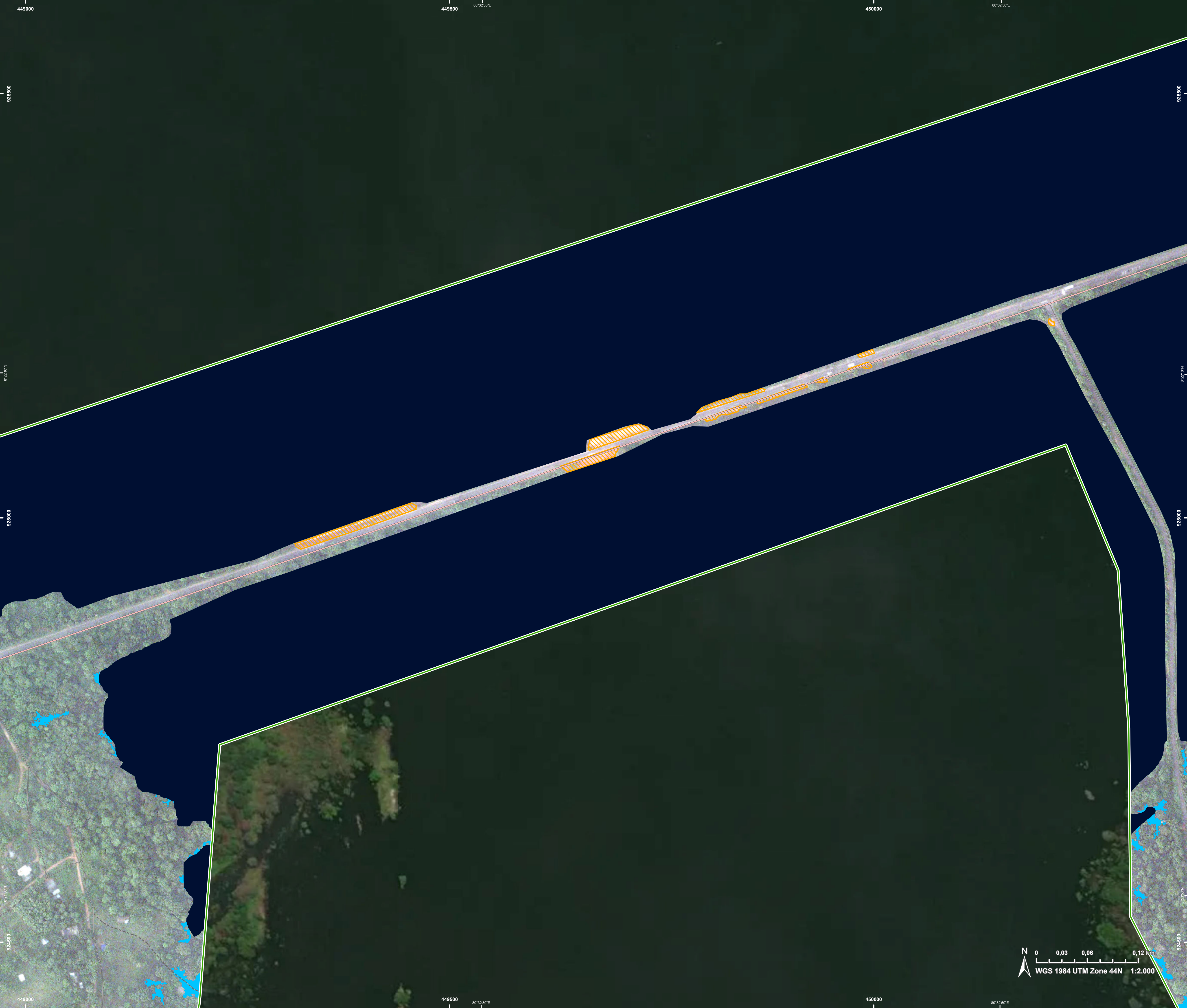
The thematic layer has been derived from post-event satellite image using a semi-automatic approach OR by means of visual interpretation. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

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.

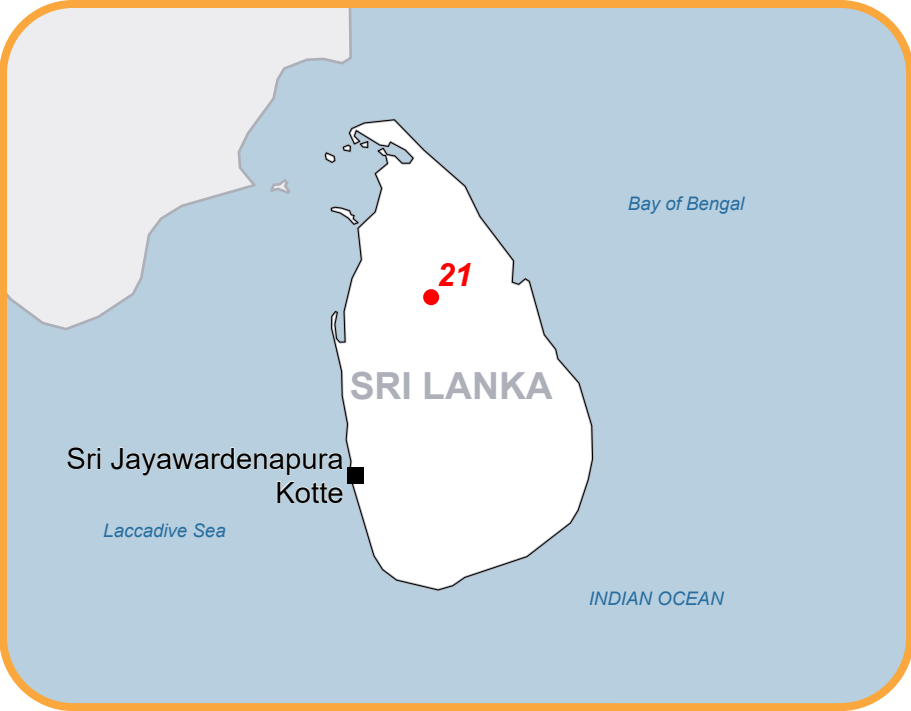
Map produced by ITHACA released by e-GEOS on the 21/12/2025.

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 21/12/2025 11:42 UTC
Grading - Detail map 02



- Crisis Information**
- Flooded Area
 - Landslide
- Transportation Grading**
- Highway, No visible damage
 - Local road, No visible damage
 - Track, No visible damage
- General Information**
- Area of Interest
- Hydrography**
- Lake, River

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Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation*
Crisis information	Flooded area		ha	11.8
	Landslide		ha	0.4
	Maximum of all extents**		ha	12.2

Estimated population		Inhabitants	No.	Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
							~ 20	~ 1,600
Assets	Built-up	Police station	No.	0	0	0	0	1
		Museums and libraries	No.	0	0	0	0	1
		Historic or protected monuments	No.	0	0	0	0	1
		Unclassified	No.	0	0	0	0	560
	Transportation	Highways	km	0	0	0	0	6.0
		Primary Road	km	0	0	0	0	1.5
		Secondary Road	km	0	0	0	0	0.2
		Local Road	km	0	0	0	0	8.1
		Cart Track	km	0	0	0	0	1.2
	Land use	Forests	ha				6.6	399.1
		Heterogeneous agricultural areas	ha				5.4	131.5
		Other	ha				0.05	31.3
		Shrub and/or herbaceous vegetation association	ha				0	0.5
		Inland wetlands	ha				0	6.6

* 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

