

Situation as of 21/12/2025 04:51 UTC  
Grading - Overview map 01



Flood trace  
5.8 ha  
Flooded area  
5.7 ha  
Potentially affected population  
~ Not available

Affected Built-up and Transportations

Road  
1.5 km  
Built-Up  
242 No.

**Crisis Information**  
Flooded Area  
Flood trace  
**Built Up Grading**  
Destroyed  
Damaged  
Possibly damaged  
**Transportation Grading**  
Road, Destroyed  
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  
**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), (acquired on 27/07/2024 at 04:54 UTC, resolution 0.5 m). Post-event image: Pléiades Neo © Airbus (2025), (acquired on 21/12/2025 at 04:51 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.

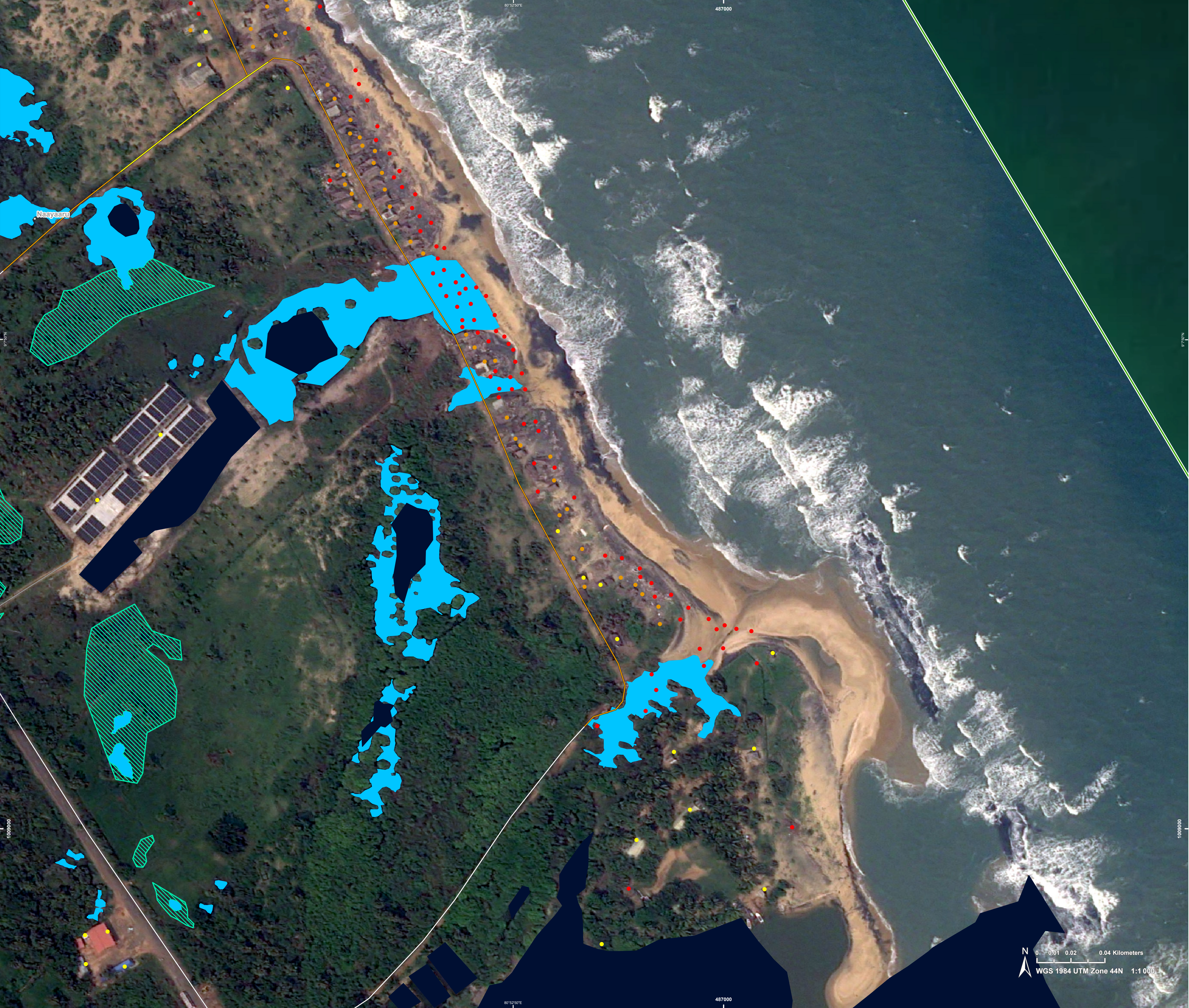
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

Map produced by SERTIT 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>

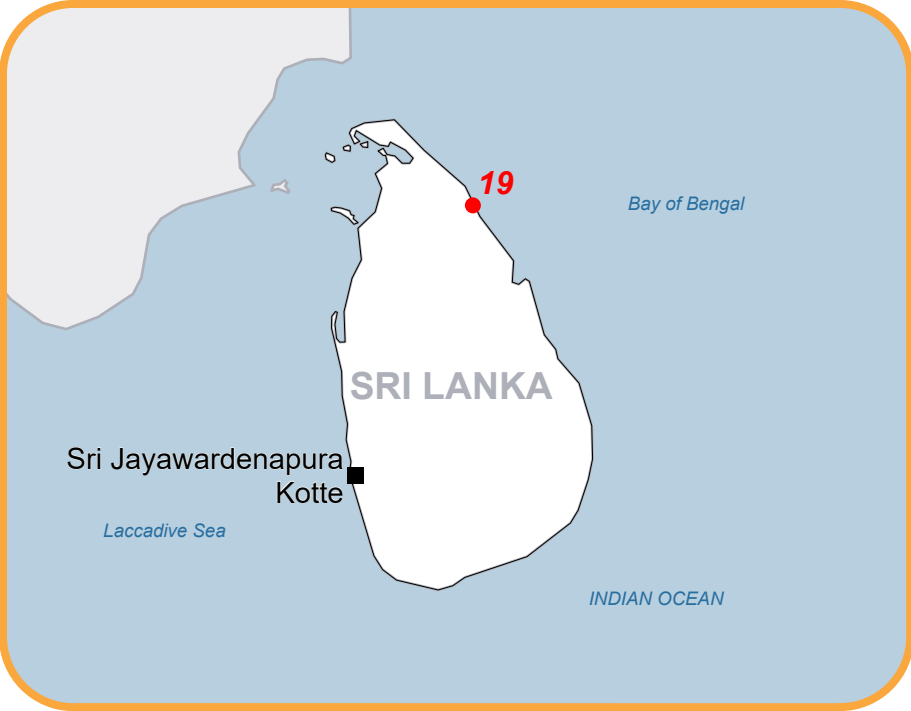


















 EMSR851 - AOI19  
Flood in Sri Lanka  
CHEMMALAI

Situation as of 21/12/2025 04:51 UTC  
Grading - Detail map 02



- Crisis Information**
-  Flooded Area
  -  Flood trace
  - Built Up Grading**
    -  Destroyed
    -  Damaged
    -  Possibly damaged
  - Transportation Grading**
    -  Road, Damaged
- General Information**
-  Area of Interest
  - Placenames**
    -  Placename
  - Hydrography**
    -  Lake, River
- Legend**
-  Road, Possibly damaged
  -  Main road, No visible damage
  -  Local road, No visible damage

**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), (acquired on 27/07/2024 at 04:54 UTC, resolution 0.5 m). Post-event image: Pléiades Neo © Airbus (2025), (acquired on 21/12/2025 at 04:51 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.

Map produced by SERTIT 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>



Consequences within the AOI

			Unit of measurement	LATEST IMPACT	
				EO-based observation*	
Crisis information	Flood trace		ha		5.8
	Flooded area		ha		5.7
	Maximum of all extents**		ha		11.5

Estimated population		Inhabitants	No.	Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
Assets		Built-up	No.				NA	~ 30
	Transportation	Residential Buildings	No.	134	64	44	242	338
		Highways	km	0	0.8	0.4	1.2	4.2
		Secondary Road	km	0.04	0.01	0.2	0.3	4.3
		Local Road	km	0	0	0.1	0.1	2.5
		Cart Track	km	0	0	0	0	1.2
	Land use	Heterogeneous agricultural areas	ha				6.1	107.7
		Forests	ha				2.8	171.1
		Other	ha				2.6	550.5
		Shrub and/or herbaceous vegetation association	ha				0.04	6.0
		Inland wetlands	ha				0	2.4

\* 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/>

© European Union / Copernicus Emergency Management Service

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

