

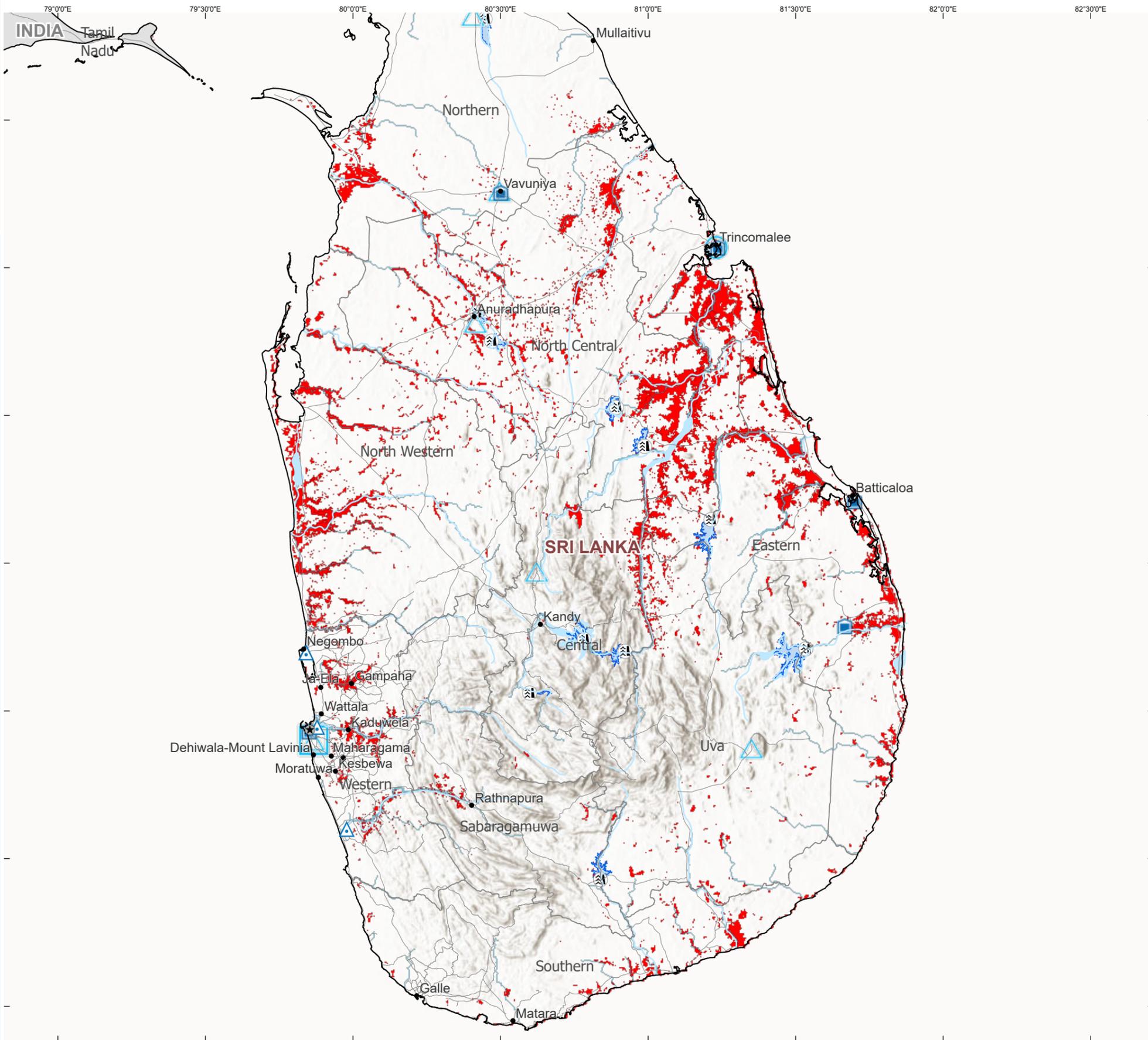
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Advanced Disaster Analysis & Mapping

Flood Impact Analysis Sri Lanka

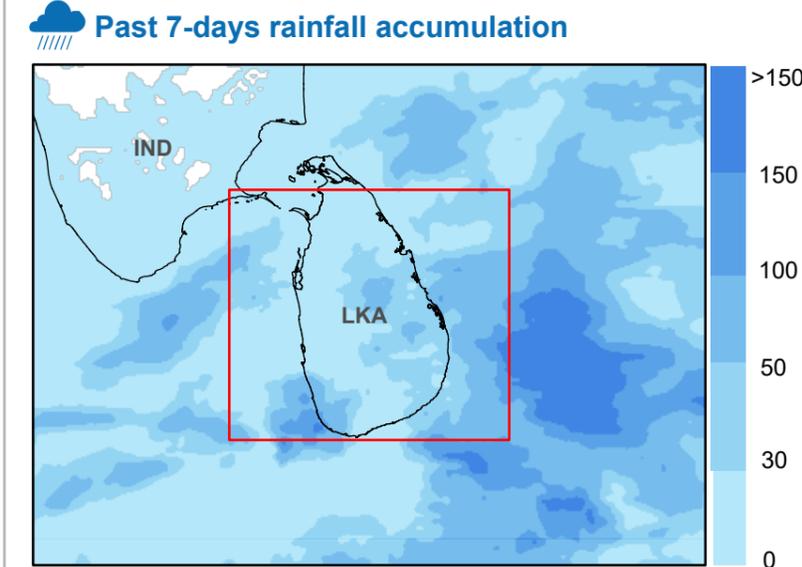
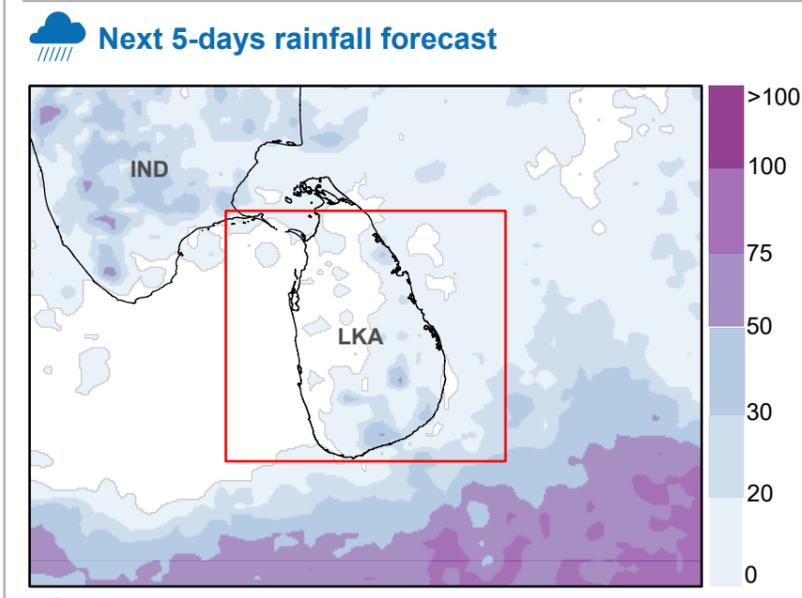
01 December 2025





Rapid Flood Impact Summary

506,227 Total observed flooded or inundated area (hectares)	856,599 Total number of people living in the flooded pixel
191,986 Total flooded cropland areas	258,702 Total number of vulnerable population in the flooded area



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Advanced Disaster Analysis and Mapping

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FloodList

IPCC European Commission
Joint Research Centre

Country Office	River	*Satellite Observed Water Extent Observed Flooded Area	Population of Concern (UNHCR) Refugee, individual accommodation in communities
Field Office	Road	Built-up area (ESA Worldcover 2020)	
Sub Office	International Boundary		
Warehouse	Administrative Boundary 1		
National Capital	Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit		
Major City	Permanent Water Bodies		
City	Dam / Reservoir		

*Data displays the maximum combined NOAA VIIRS and Floodscan flood extent detection on the date specified on the map

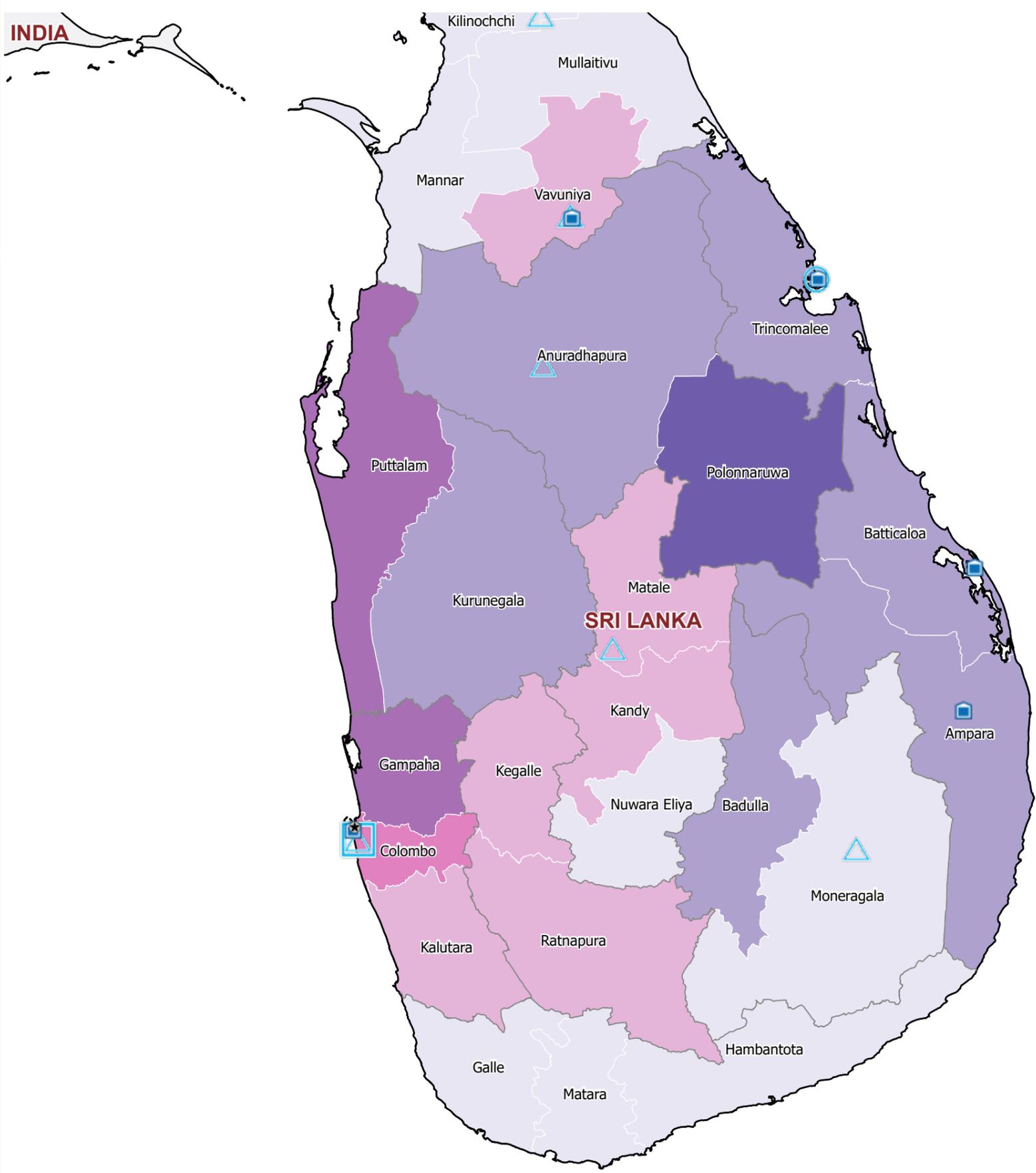
The designations employed and the presentation of material in the map(s) do not imply the expression of any opinion on the part of WFP concerning the legal or constitutional status of any country, territory, city or sea, or concerning the delimitation of its frontiers or boundaries.

Data sources: WFP offices: WFP - Boundaries: UN Map, WFP - Roads: ©OpenStreetMap Contributors - Populated places: GeoNames - Accumulated rainfall: GPM - Weather forecast: ECMWF - Flood Detection: NOAA-VIIRS, MODIS NRT, ESA Sentinel 1 - IDP/Refugee Locations: UNHCR - Terrain: ESRI - Surface Water/Seasonality:JRC - Cropland Mask: NASA GFSAD30 - Population: WorldPop / GHSL - Maximum Flood Extent: NASA MODIS/DF0 and C2S

Date Created: 01 Dec 2025 - Contact: wfp.adam@wfp.org

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Prepared by: HQ GIS Unit, WFP Emergencies



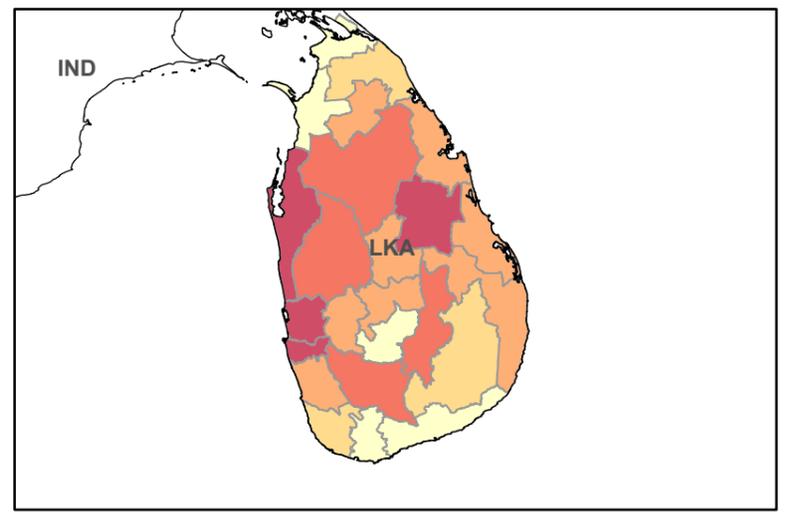
Flood Impact Data Aggregation

Derived data are summarized by administrative unit II (admin2). For any boundary related concerns, please write to wfp.adam@wfp.org. This aggregated information is indicative and for planning purposes only.

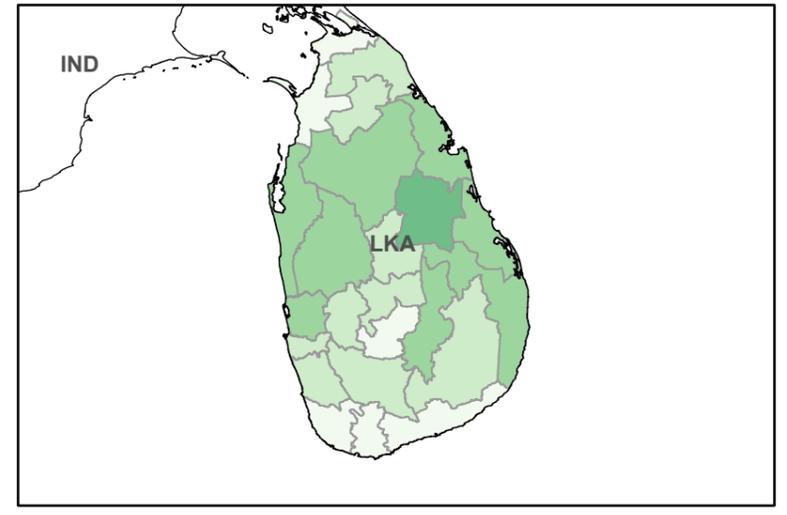
Global Data Sources:
Population - WorldPop 2022
Cropland Areas - NASA GFSAD30



Estimated population living within the flooded area (Admin Unit II)



Estimated crop lands within the flooded area (Admin Unit II)



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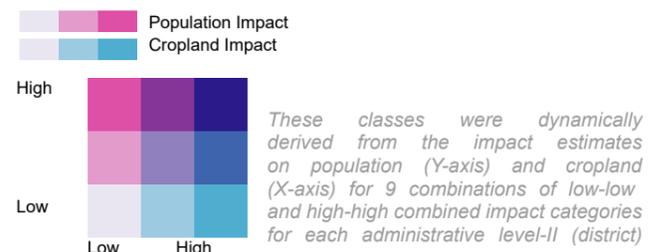
Advanced Disaster Analysis and Mapping

- Country Office
- Field Office
- Sub Office
- Warehouse
- National Capital
- Major City
- City

- International Boundary
- Administrative Boundary 1
- Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit

Potentially impacted population	Estimated flooded cropland (has)
1 - 1K	1 - 1K
1K - 10K	1K - 10K
10K - 20K	10K - 20K
20K - 50K	20K - 50K
>50K	>50K

Bi-variate color classification (Main Map Frame)



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Date Created: 01 Dec 2025 - Contact: hq.gis@wfp.org
Map Reference: ADAM_Floods_v5



Sri Lanka Flooding

Rapid Flood Impact Analysis Breakdown

**estimated number of people living in the flooded areas with at least 100 people potentially affected per district. Vulnerable population within flooded area are estimates from WorldPop data.*

(Admin unit 1) Region	(Admin unit 2) District	Flooded Area (hectares)	Flooded Cropland (hectares)	Potentially Impacted Population*		
				Total in District	Children (0-9 y.o.)	Elderly (>60 y.o.)
Central	Kandy	5,330	1,771	24,907	4,176	3,655
	Matale	8,541	2,617	11,193	1,467	1,842
Eastern	Nuwara Eliya	832	12	3,568	567	603
	Ampara	27,322	15,265	36,451	3,929	6,335
	Batticaloa	34,377	16,837	19,776	2,022	3,449
North Central	Trincomalee	35,989	17,584	36,263	3,403	7,268
	Anuradhapura	93,391	37,487	93,740	11,556	15,541
North Western	Polonnaruwa	92,178	41,835	85,170	10,966	13,869
	Kurunegala	36,335	13,651	59,163	9,568	8,907
Northern	Puttalam	46,967	14,570	92,871	13,613	14,508
	Mannar	16,711	12,504	11,597	1,291	1,947
	Mullaitivu	4,949	977	518	54	95
Sabaragamuwa	Vavuniya	6,971	1,339	3,919	435	639
	Kegalle	2,453	21	4,791	916	688
	Ratnapura	10,390	375	31,035	5,556	4,274
Southern	Galle	286	16	5,114	985	735
	Hambantota	12,973	4,468	38,727	5,544	6,071
	Matara	667	13	13,068	2,509	1,966
Uva	Badulla	17,167	3,383	21,291	2,400	3,520
	Moneragala	8,840	1,932	6,119	743	1,001
Western	Colombo	11,833	1,829	92,400	16,728	12,036
	Gampaha	21,361	3,267	152,698	26,844	20,328
	Kalutara	10,362	234	12,221	2,454	1,703

RESOURCES

Data downloads

Geospatial data package: [LKA-20251201.zip](#)

Statistics table only: [LKA-20251201.xlsx](#)

Previous ADAM events:
(last 90 days)

Data Sources

Boundaries: UN SALB, WFP, OCHA COD, UN Map

Roads: OpenStreetMap (OSM) Contributors, WFP

WFP Offices, Facilities, Warehouses, Food Insecurity: WFP Emergencies, WFP RAM-H

Populated Places: GeoEnabler (WFP), OSM, GeoNames

IDP Locations: UNHCR

Flood Detection: NOAA VIIRS Flood- Open data by National Oceanic and Atmospheric Administration (NOAA) , Visible Infrared Imaging Radiometer Suite (VIIRS) Flood product

Floodscan – Licensed to WFP by Atmospheric and Environmental Research (AER)

Rainfall Accumulation: Global Precipitation Mission (GPM)

Precipitation Forecast: Licensed to WFP by the European Center for Medium-Range Weather Forecasts (ECMWF)

Cropland: NASA GFSAD30, European Space Agency (ESA) WorldCover

Population and Statistics: WorldPop



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DISCLAIMER: *Every ADAM analysis has not been validated in the field during the time of the report or when the event was analysed. Always use with caution and refer to the official authoritative disaster impact reports from host governments whenever available.*