



Situation as of 30/08/2025 12:09 UTC
Delineation MONIT01 - Overview map 01



Flooded area 24,562.1 ha
Potentially affected population ~ 29,000

Potentially Affected Built-up and Transportations

Road 174.9 km
Built-Up 341.4 ha

Estimated flood depth (m)

Below 0.50
0.50 - 1.00
1.00 - 2.00
2.00 - 4.00
4.00 - 6.00

Crisis Information

Maximum Flood Extent

General Information

Area of Interest

Image Footprint

Not Analysed

Administrative Boundaries

Municipality

Placenames

Placename

Built-Up Area

Residential
Non residential
School, university and research buildings
Hospital or institutional care buildings

Hydrography

Lake, River

Facilities

Long-distance pipelines or lines
Sport and recreation constructions
Dump Site

Transportation

Highway
Main road
Local road
Track
Railway

Event On the 15 August 2025 at 00:00, a flash flood event during the monsoon season was reported to have affected Punjab and Khyber Pakhtunkhwa provinces, Pakistan. The event is on-going and spreading, with damage reported to buildings, infrastructure, and agriculture. Loss of life has already been recorded, with over 300 fatalities. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation and flood extent emergency mapping.

Data sources and analysis: Pre-event image: Sentinel-2 (2025) (acquired on 10/06/2025 at 05:37 UTC, resolution 10.0 m). This image is used as background image.
Post-event image: IE00 © copyright owned by ICEYE OY (acquired on 30/08/2025 at 12:09 UTC, resolution 2.0 m).
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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. 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 flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

Map produced by e-GEOS released by e-GEOS on the 31/08/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR838>



Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area*		ha		24.562,1
Maximum flood extent**		ha		27.034,6
Estimated population	Number of inhabitants		~ 29.000	1,600 Mio.
Built-up	Residential Buildings	ha	341,4	5.304,0
	Office buildings	ha	0	7,2
	Industrial buildings	ha	0	30,9
	School, university and research buildings	ha	0	11,0
	Hospital or institutional care buildings	ha	0	10,1
	Cemetery	ha	0	17,5
Transportation	Highways	km	1,0	107,6
	Primary Road	km	0,3	43,6
	Secondary Road	km	0	42,0
	Local Road	km	110,4	1.242,0
	Cart Track	km	63,2	291,2
	Long-distance railways	km	0	13,2
Facilities	Sport and recreation constructions	ha	0,8	128,0
	Other civil engineering works not elsewhere classified	ha	0	0,2
	Long-distance pipelines, communication and electricity lines	km	71,4	193,4
Land use	Heterogeneous agricultural areas	ha	21.923,6	45.888,2
	Forests	ha	1.392,3	4.786,2
	Inland wetlands	ha	550,2	1.268,6
	Shrub and/or herbaceous vegetation association	ha	535,5	2.147,9
	Open spaces with little or no vegetation	ha	85,3	908,0
	Other	ha	75,1	4.673,6

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water

** Corresponds to the water observed in all previous products and in all crisis imagery, excluding permanent water (cumulative analysis).

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.

Access to 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).



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