



Situation as of 31/08/2025 21:31 UTC
Delineation MONIT02 - Overview map 01



Flooded area 20,237.6 ha
Potentially affected population ~ 16,000

Potentially Affected Built-up and Transportations

Built-Up 203.3 ha
Road 100.6 km

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 31/08/2025 at 21:31 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 maximum flood extent corresponds to the flood observed in all previous products (cumulative analysis). 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 01/09/2025.

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		20.237,6
Maximum flood extent**	ha		28.274,7
Estimated population	Number of inhabitants	~ 16.000	1,600 Mio.
Built-up	Residential Buildings	ha 203,3	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 0,6	107,6
	Primary Road	km 0,2	43,6
	Secondary Road	km 0	42,0
	Local Road	km 58,6	1.242,0
	Cart Track	km 41,2	291,2
	Long-distance railways	km 0	13,2
Facilities	Sport and recreation constructions	ha 0,1	128,0
	Other civil engineering works not elsewhere classified	ha 0	0,2
	Long-distance pipelines, communication and electricity lines	km 49,7	193,4
Land use	Heterogeneous agricultural areas	ha 18.045,1	45.888,2
	Forests	ha 745,4	4.786,2
	Inland wetlands	ha 625,2	1.268,6
	Shrub and/or herbaceous vegetation association	ha 619,5	2.147,9
	Open spaces with little or no vegetation	ha 146,5	908,0
	Other	ha 56,0	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



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