



EMSR838 - AOI04
Flood in Pakistan
NAJABAT

Situation as of 30/08/2025 23:35 UTC
Delineation MONIT01 - Overview map 01



Flooded area
7,123.2 ha



Potentially affected
population
~ 5400

Potentially Affected Built-up and Transportations



Built-Up
2.1 ha



Road
61.3 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
- Not Analysed

Placenames

- Placename

Built-Up Area

- Residential
- Military

Hydrography

- Lake, River

Transportation

- 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-2A/B (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 23:35 UTC, resolution 2.5 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 SERTIT 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>



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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area*		ha		7 123.2
Maximum flood extent**		ha		10 851.9
Estimated population		Number of inhabitants	~ 5 400	~ 110 000
Built-up	Residential Buildings	ha	0	51.8
	Military	ha	2.1	9.1
Transportation	Secondary Road	km	0	1.9
	Local Road	km	11.2	186.5
	Cart Track	km	50.2	281.7
	Long-distance railways	km	0	11.4
Land use	Heterogeneous agricultural areas	ha	5 007.7	31 196.8
	Shrub and/or herbaceous vegetation association	ha	1 171.2	1 587.5
	Open spaces with little or no vegetation	ha	664.2	778.9
	Forests	ha	177.6	1 592.1
	Inland wetlands	ha	68.7	285.9
	Other	ha	33.9	769.0

* 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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Access to the portal



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



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