

Situation as of 28/08/2025 01:07 UTC
Delineation - Overview map 01



**Flooded area**
63,236.3 ha

**Potentially affected population** ~ 60000

Potentially Affected Built-up and Transportations

**Built-Up**
9.0 ha

**Road**
60.1 km

Estimated flood depth (m)

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

General Information

- Area of Interest
- Detail map

Administrative Boundaries

- Province
- Municipality

Placenames

- Placename

Built-Up Area

- Residential
- Military

Hydrography

- Lake, River

Facilities

- Long-distance pipelines or lines
- Dam
- Water or Aquatic infrastructure
- Dam

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 Khyber Pakhtunkhwa province, 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, on 28/06/2025 at 05:46 UTC and on 30/06/2025 at 05:37 UTC, resolution 10.0 m). This image is used as background image. Post-event image: Sentinel-1 (2025) (acquired on 28/08/2025 at 01:07 UTC, resolution 20.0 m).

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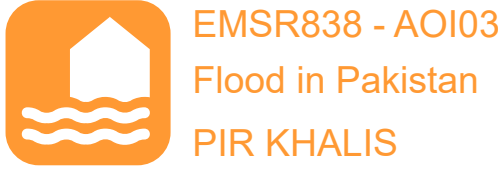
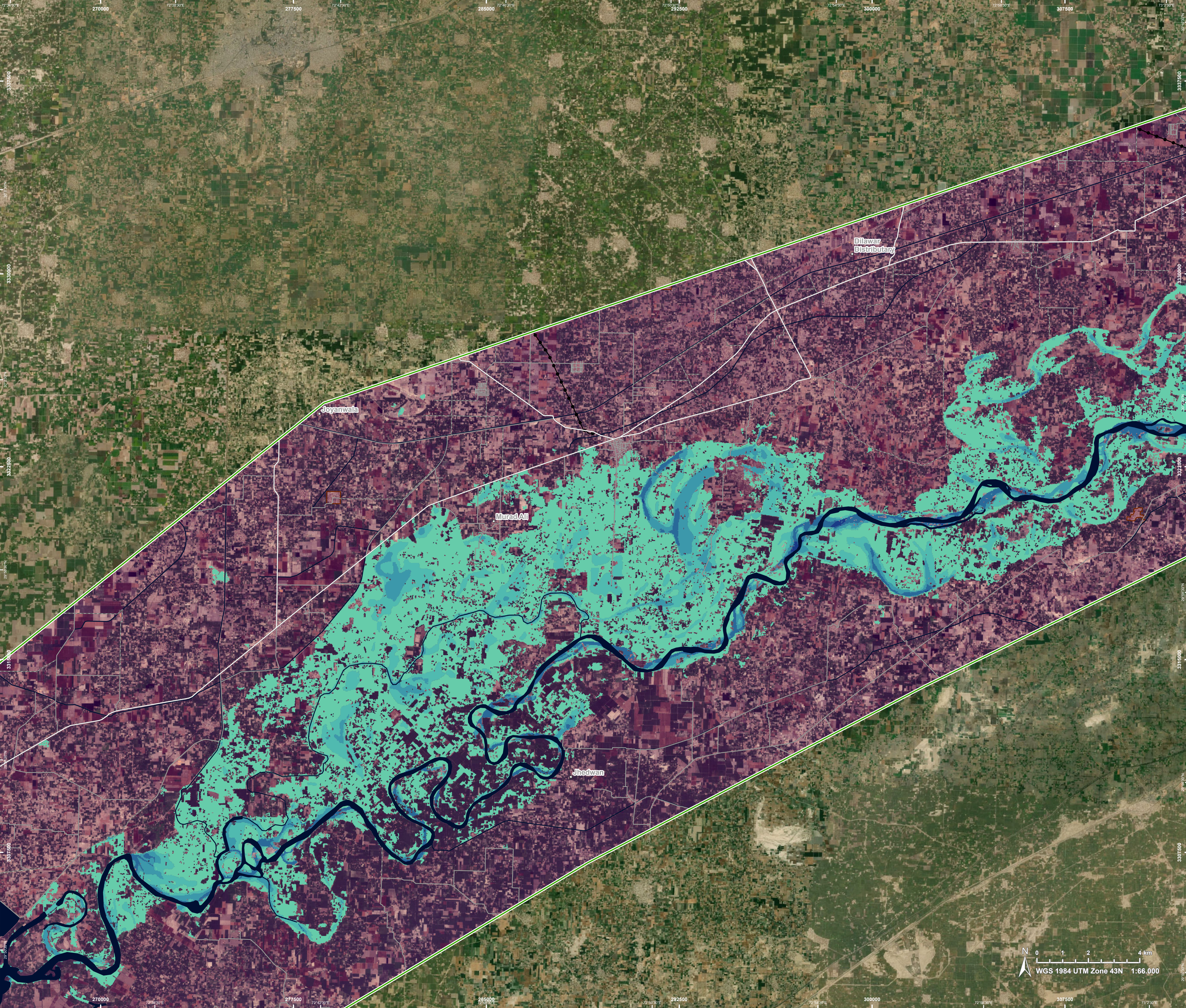
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

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 GAF AG 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>





Situation as of 28/08/2025 01:07 UTC
Delineation - Detail map 02



- Estimated flood depth (m)**

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

General Information

 - Area of Interest

Placenames

 - Placename
- Built-Up Area**

 - Residential

Hydrography

 - Lake, River

Facilities

 - Long-distance pipelines or lines

Transportation

 - Main road
 - Local road
 - Track

Event: On the 15 August 2025 at 00:00, a flash flood event during the monsoon season was reported to have affected Khyber Pakhtunkhwa province, 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.

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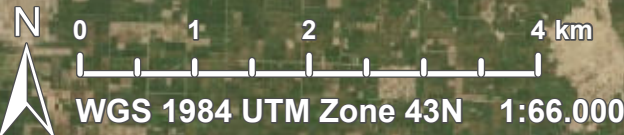
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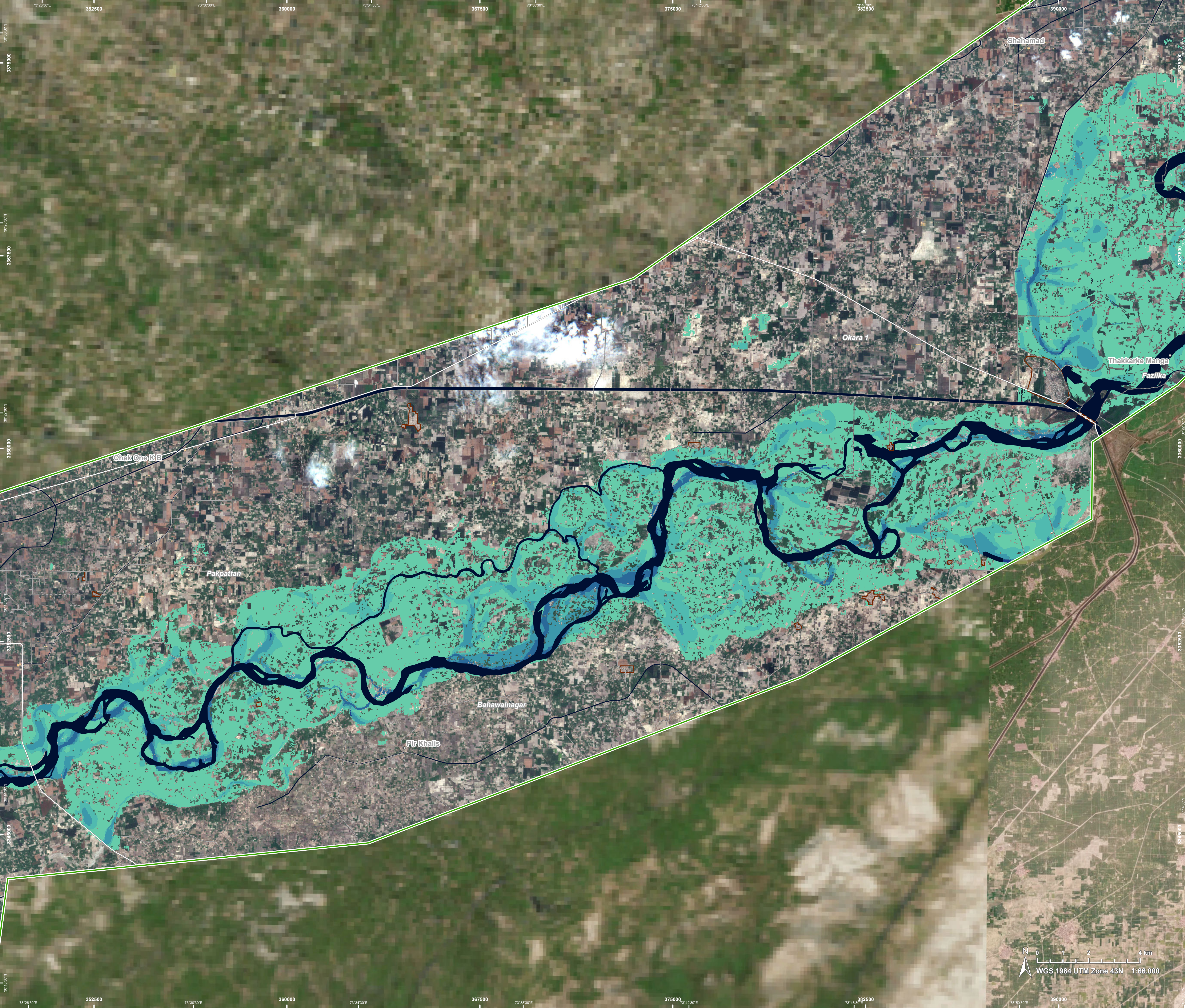
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Situation as of 28/08/2025 01:07 UTC
Delineation - Detail map 03



- Estimated flood depth (m)**

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

General Information

 - Area of Interest

Placenames

 - Placename
- Built-Up Area**

 - Residential

Hydrography

 - Lake, River

Facilities

 - Dam
 - Water or Aquatic infrastructure

Transportation

 - Main road
 - Local road
 - Track

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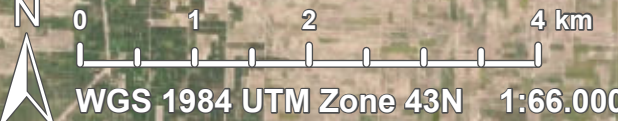
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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		63.236,3
Estimated population		Number of inhabitants	~ 60.000	1,300 Mio.
Built-up	Residential Buildings	ha	9,0	770,2
	Military	ha	0	5,7
Transportation	Highways	km	0,04	20,4
	Primary Road	km	2,8	92,6
	Secondary Road	km	2,1	142,5
	Local Road	km	17,8	907,1
	Cart Track	km	37,4	502,2
	Long-distance railways	km	0	22,1
Facilities	Breakwater	ha	0	0,03
	Dams	ha	0	0,7
	Long-distance pipelines, communication and electricity lines	km	7,0	104,9
	Dams	km	0	0,7
Land use	Heterogeneous agricultural areas	ha	58.027,5	292.470,6
	Shrub and/or herbaceous vegetation association	ha	3.097,5	6.400,7
	Open spaces with little or no vegetation	ha	1.627,2	3.174,8
	Other	ha	212,5	5.453,5
	Forests	ha	177,7	972,7
	Inland wetlands	ha	93,9	704,8

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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