


PAKISTAN


IMAGERY ANALYSIS: [21/07/2024 TO 03/08/2024] PUBLISHED 05/08/2024 V1.



MAXIMUM FLOOD EXTENT

[21 JUL.-03 AUG. 2024]

~18,000 km²



POPULATION POTENTIALLY EXPOSED [21 JUL.-03 AUG. 2024]

~7.7 million



FLOODS

FL20240804PAK



Satellite detected water extents from 21 July 2024 to 03 August 2024 over Pakistan

This map illustrates cumulative satellite-detected water using VIIRS in Pakistan from 21 July 2024 to 03 August 2024. Within the analysed area of about 800,000 km², a total of about 18,000 km² of lands appear to be affected with flood waters. Based on Worldpop population data and the maximum flood water coverage, about 7.7 million people were potentially exposed or living close to flooded areas.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

Legend

- City
- International boundary
- Provincial boundary
- District boundary
- Line of control
- River
- Reference water
- Cloud obstruction [21 Jul.-3 Aug. 2024]
- Minimum floodwater extent
- Maximum floodwater extent

Country / Province ⁽¹⁾	Area (km ²)	Total population	Analysed area [in cloud free area] (km ²)	Total population in analysed area [in cloud free area]	Minimum flood water extent [21July -3 August 2024] (km ²)	Population potentially exposed to minimum flood extent [21July -3 August 2024]	Maximum flood water extent [21July -3 August 2024] (km ²)	Population potentially exposed to maximum flood extent [21July -3 August 2024]
Pakistan	877,965	231,088,951	816,854	218,850,917	4,529	1,078,223	18,218	7,708,182
Azad Kashmir ⁽²⁾	11,472	3,714,095	10,916	3,635,676	20	3,588	96	40,269
Balochistan	347,667	8,411,098	332,865	8,108,649	457	20,065	1,071	83,910
Gilgit Baltistan ⁽²⁾	70,226	1,118,619	67,945	1,105,805	262	7,306	500	16,396
Islamabad	904	2,041,786	904	2,041,786	0	29	3	5,126
Khyber Pakhtunkhwa	100,988	37,461,968	98,212	37,126,380	232	70,901	749	466,464
Punjab	205,759	127,820,393	197,997	127,363,776	1,119	270,635	5,839	3,325,054
Sindh	140,948	50,520,992	108,014	39,468,845	2,438	705,699	9,959	3,770,963

(1) The designations employed and the presentation of material on this table do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

(2) The final status of Jammu and Kashmir has not been agreed upon by the parties. The boundary and names do not imply official endorsement or acceptance by the United Nations.

Spatial Reference
Name: WGS 1984 UTM Zone 42N
PCS: WGS 1984 UTM Zone 42N
GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Transverse Mercator

Satellite Data : NOAA-20/VIIRS
Imagery Date: 21 Jul. 2024 to 03 Aug. 2024
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Boundary data: OCHA Field Information Services Section (FISS)
Waterways: OpenStreetMap
Populated place: OpenStreetMap
Population data: WorldPop Unconstrained individual countries 2020 (100m resolution)
Background: ESRI Basemap

Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)

Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not been agreed upon by the parties.

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