

PAKISTAN

SINDH AND BALOCHISTAN PROVINCES

IMAGERY ANALYSIS: 29/11/2022 PUBLISHED 01/12/2022 V1.

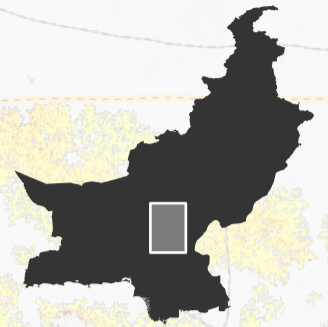


ANALYZED AREA
40,000 km²

FLOOD EXTENT [29 NOV. 2022]
4,700 km²

TOTAL POPULATION IN CLOUD FREE AREA [29 NOV. 2022]
15 million

POPULATION POTENTIALLY EXPOSED [29 NOV. 2022]
2 million



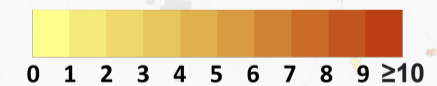
Floodwater depth in Sindh and Balochistan Provinces, Pakistan as of 29 November 2022

This map illustrates floodwater depth in Sindh and Balochistan Provinces, Pakistan using water flood depth deduced from Suomi-NPP & NOAA-20 VIIRS as of 29 November 2022. Within the cloud free analyzed areas of about 40,000 km², a total of about 4,700 km² of lands appear to be affected with flood waters. Based on Worldpop population data and the maximum flood water coverage, ~2 million people are 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/Town
- International boundary
- Provincial boundary
- District boundary
- - - Line of control
- Cloud mask
- ⋯ Analysis extent
- Permanent water

VIIRS Floodwater Depth (m)



Province/District	Analyzed area (in cloud free zone) [29 Nov. 2022] (km ²)	Total Population in Analyzed area [29 Nov. 2022]	Maximum flood water extent in Analyzed area [29 Nov. 2022] (km ²)	Population potentially exposed in Analyzed area [29 Nov. 2022]	Population potentially exposed in Analyzed area [29 Nov. 2022] (%)
Balochistan	7,236	887,758	450	89,817	10.12%
Dera Bugti	1,347	42,541	10	1,452	3.41%
Jaffarabad	1,700	387,298	213	42,707	11.03%
Jhal Magsi	1,453	61,944	70	5,172	8.35%
Nasirabad	1,946	246,333	5	705	0.29%
Sohbatpur	784	148,581	152	39,781	26.77%
Sindh	32,219	14,147,332	4,219	1,647,795	11.65%
Dadu	2,840	1,484,283	896	374,899	25.26%
Ghotki	693	375,195	33	7,893	2.10%
Jacobabad	2,676	1,227,698	913	353,875	28.82%
Kambar Shahdad Kot	4,016	1,452,966	712	132,830	9.14%
Kashmore	1,831	749,242	221	56,061	7.48%
Khairpur	9,194	2,568,767	485	251,725	9.80%
Larkana	1,917	1,675,236	150	63,507	3.80%
Naushahro Feroze	2,808	1,735,635	310	162,397	10.51%
Shaheed Benazir Abad	7	3,000	1	196	6.19%
Shikarpur	2,512	1,446,259	380	161,878	11.19%
Sukkur	3,717	1,428,881	108	32,455	2.27%
Total	39,461	15,035,286	4,660	1,737,522	11.56%

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: 29 Nov. 2022
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Flood water depth: Suomi-NPP & NOAA-20 VIIRS
Copyright: NOAA / Suomi NPP
Boundary data: OCHA Field Information Services Section (FISS) [14 September 2022]
Waterways: OpenStreetMap
Population data: Worldpop [2020]

Background: NASA Shuttle Radar Topography Mission (SRTM)
Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)

Map Scale for A3: 1:550,000

