



# CHAD

IMAGERY ANALYSIS: 15 TO 19/08/2024 PUBLISHED 20/08/2024 V1



**MAXIMUM FLOOD WATER EXTENT (15 - 19 AUG. 2024)**  
~19,000km<sup>2</sup>



**POPULATION POTENTIALLY EXPOSED (15 - 19 AUG. 2024)**  
700,000



**FLOOD**  
FL20240820TCD



### Satellite detected water extents between 15 and 19 August 2024 over Chad

This map illustrates cumulative satellite-detected water using VIIRS in Chad between 15 to 19 August 2024. Within the cloud free analysed areas of about 1,200,000 km<sup>2</sup>, a total of about 19,000 km<sup>2</sup> of lands appear to be affected with flood waters. Based on Worldpop population data and the maximal flood water extent ~700,000 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).

Region	Population in cloud free areas [15-19 August 2024]	Cloud free analysed Area [15-19 August 2024] Km <sup>2</sup>	Population potentially exposed to maximum flood water extent [15-19 August 2024]	Maximum flood water extent [15-19 August 2024] Km <sup>2</sup>
Barh-El-Gazel	331,109	40,322	326	19
Batha	666,534	84,736	51,930	2,418
Borkou	232,760	143,484	47	33
Chari-Baguirmi	742,905	43,060	35,461	1,461
Ennedi Est	303,966	77,636	2,413	189
Ennedi Ouest	111,791	117,022	422	203
Guéra	744,047	56,711	8,740	572
Hadjer-Lamis	637,322	25,832	7,853	227
Kanem	471,368	69,244	-	-
Lac	621,673	19,051	38,864	2,074
Logone Occidental	798,126	8,418	21,034	136
Logone Oriental	1,228,686	23,039	107,529	1,097
Mandoul	866,380	17,088	53,664	759
Mayo-Kebbi Est	937,159	15,709	102,573	2,055
Mayo-Kebbi Ouest	649,019	10,255	8,404	59
Moyen-Chari	750,524	38,271	19,634	1,015
N'Djamena	1,255,590	361	70,851	29
Ouaddaï	981,398	25,837	4,692	91
Salamat	411,424	65,743	45,595	3,973
Sila	500,318	30,673	22,553	656
Tandjilé	769,579	16,030	100,379	1,751
Tibesti	60,102	197,710	207	519
Wadi Fira	995,055	50,903	1,221	89

**Legend**

- City / Town
- Primary road
- Cloud obstruction [15 - 19 Aug. 2024]
- Maximum flood water extent [15 - 19 Aug. 2024]
- Permanent water
- Region boundary

Spatial Reference  
Name: WGS 1984 UTM Zone 33N  
PCS: WGS 1984 UTM Zone 33N  
GCS: GCS WGS 1984  
Datum: WGS 1984

Satellite Imagery: NOAA-20/VIIRS  
Imagery Date: 15 to 19 August 2024  
Resolution: 375m  
Copyright: NOAA/Suomi NPP  
Source: NOAA

Boundary data: UNOCHA  
Waterways: OpenStreetMap  
Road data: OpenStreetMap  
Populated place: OpenStreetMap  
Population data: Worldpop unconstrained (2020)

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

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Map scale for A3: 1:3,000,000