

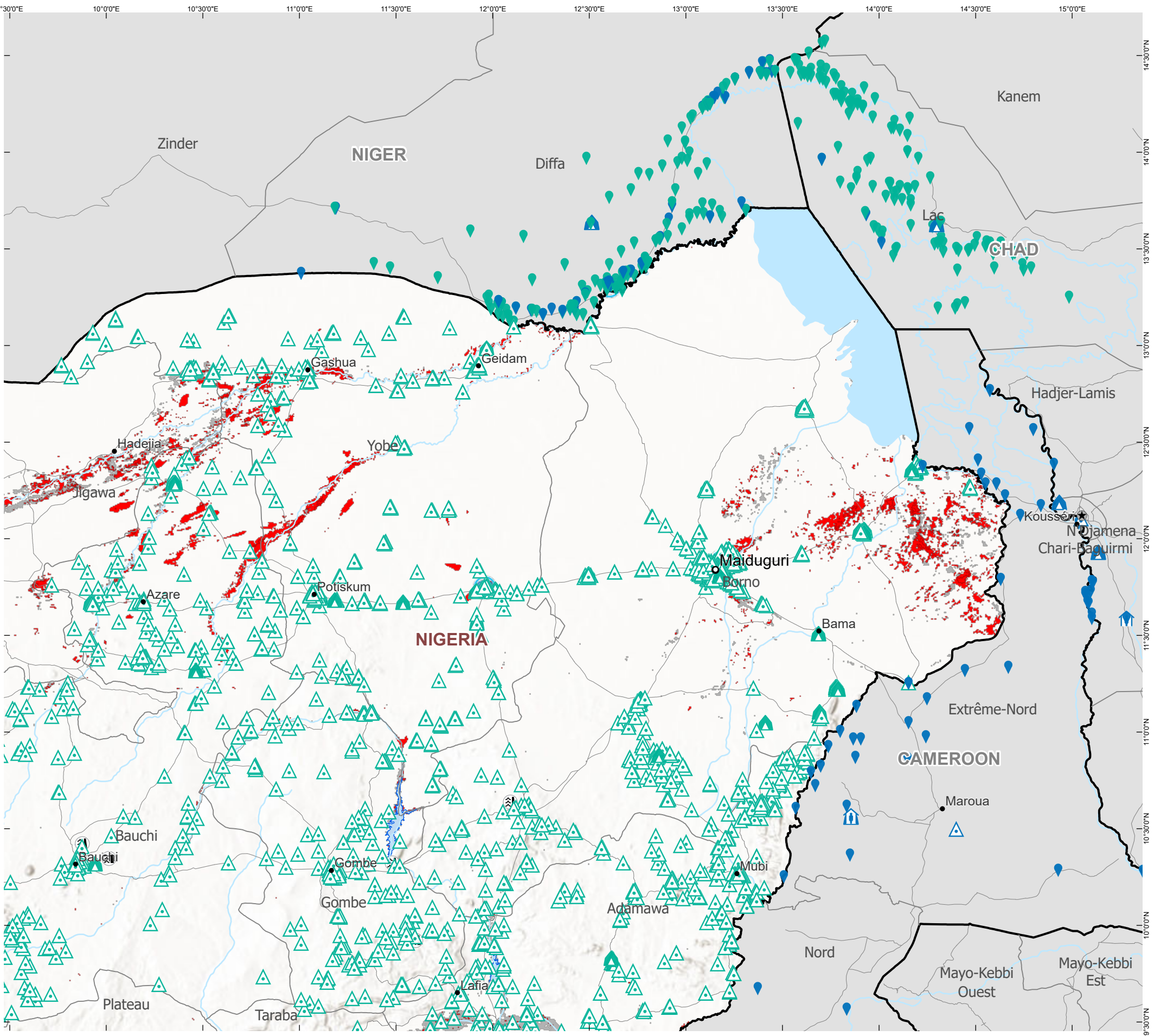
ADAM

Advanced Disaster Analysis & Mapping

Flood Impact Analysis Nigeria

19 August 2024





Rapid Flood Impact Summary



Total observed flooded or inundated area (hectares)



Total number of people living in the flooded pixel

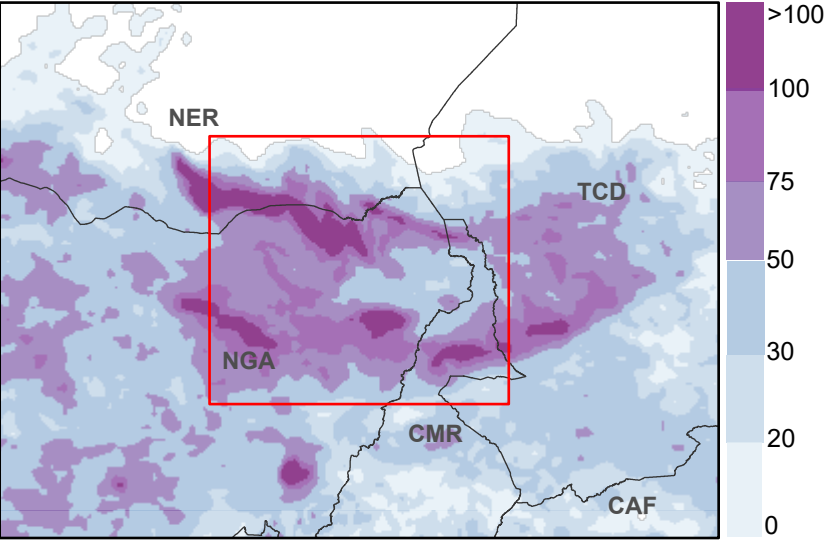


Total flooded cropland areas

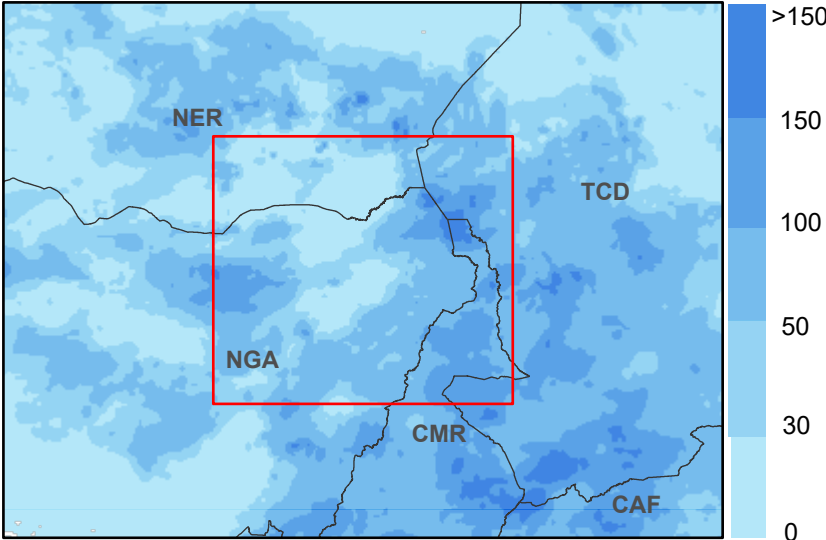


Total number of vulnerable population in the flooded area

Next 5-days rainfall forecast



Past 7-days rainfall accumulation



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aer Atmospheric and Environmental Research

FloodList

European Commission
Joint Research Centre

The designations employed and the presentation of material in the map(s) do not imply the expression of any opinion on the part of WFP concerning the legal or constitutional status of any country, territory, city or sea, or concerning the delimitation of its frontiers or boundaries.

Data sources: WFP offices: WFP - Boundaries: UN Map, WFP - Roads: ©OpenStreetMap Contributors - Populated places: GeoNames - Accumulated rainfall: GPM - Weather forecast: ECMWF - Flood Detection: NOAA-VIIRS, MODIS NRT, ESA Sentinel 1 - IDP/Refugee Locations: UNHCR - Terrain: ESRI - Surface Water/Seasonality: JRC - Cropland Mask: NASA GFSAD30 - Population: WorldPop / GHSL - Maximum Flood Extent: NASA MODIS/DFO and C2S

Date Created: 19 Aug 2024 - Contact: wfp.adam@wfp.org

- Country Office

Field Office

Sub Office

Warehouse

National Capital

Major City

City
- River

Road

International Boundary

Administrative Boundary 1

Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit

Permanent Water Bodies

Dam / Reservoir
- *Satellite Observed Water Extent

Observed Flooded Area

Historical Maximum Flood Extent MODIS 2000 - 2018

Source: DFO and Cloud2Street

*Data displays the maximum combined NOAA VIIRS and Floodscan flood extent detection on the date specified on the map
- Refugee, formal settlement

Refugee, informal settlement

Refugee, spontaneous location

Refugee, centre

Refugee, collective centre

Refugee, individual accommodation in communities

Refugee, unknown

IDP, formal settlement

IDP, informal settlement

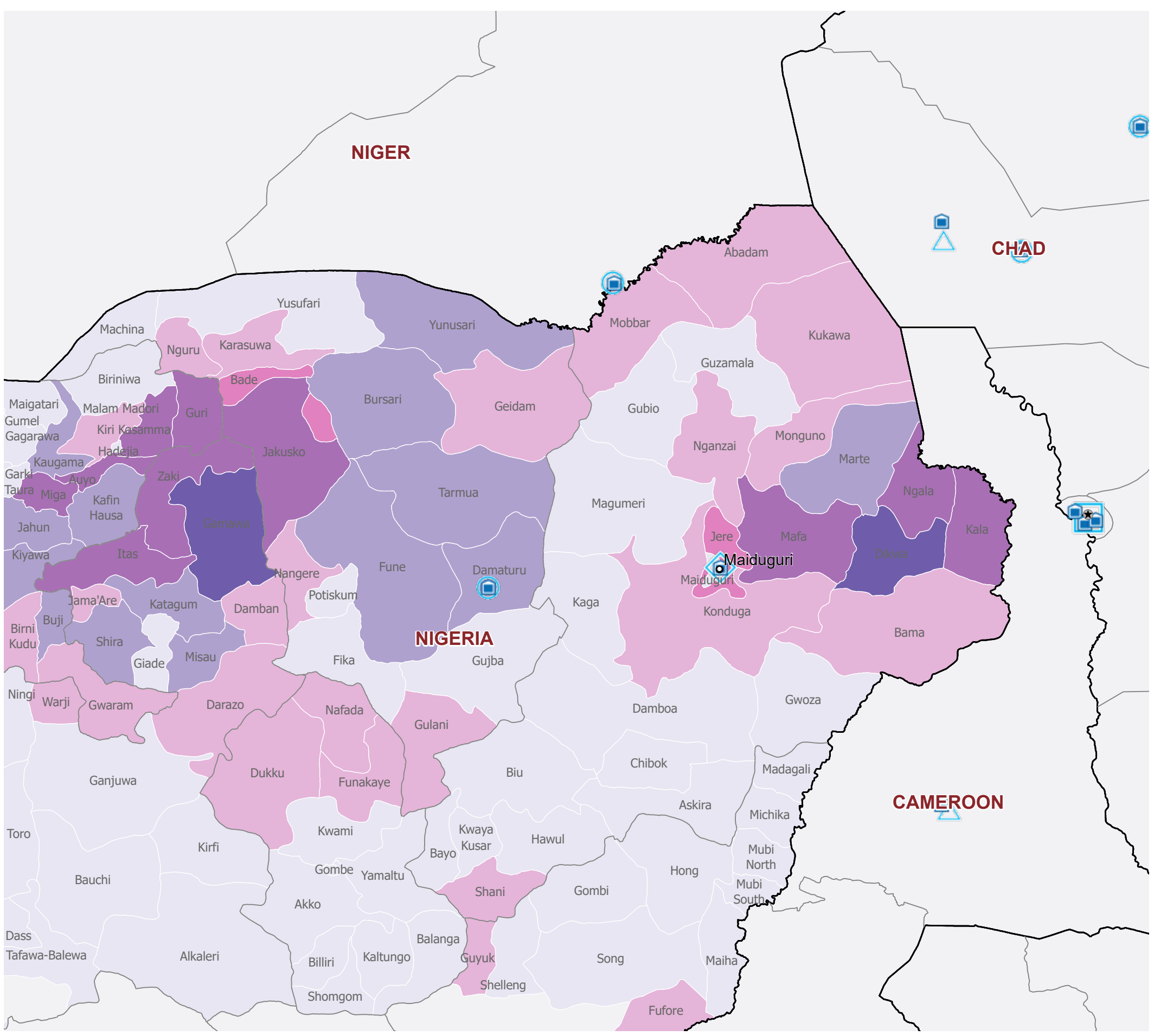
IDP, spontaneous location

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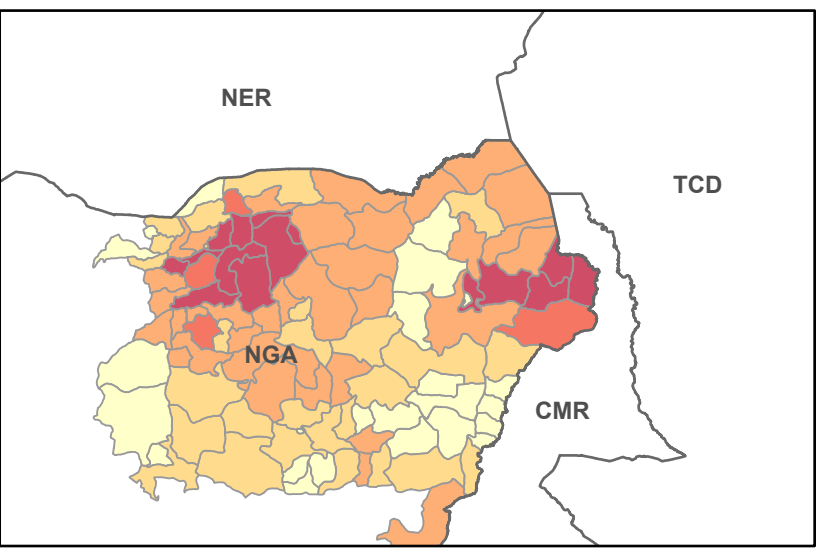
Flood Impact Data Aggregation

Derived data are summarized by administrative unit II (admin2). For any boundary related concerns, please write to wfp.adam@wfp.org. This aggregated information is indicative and for planning purposes only.

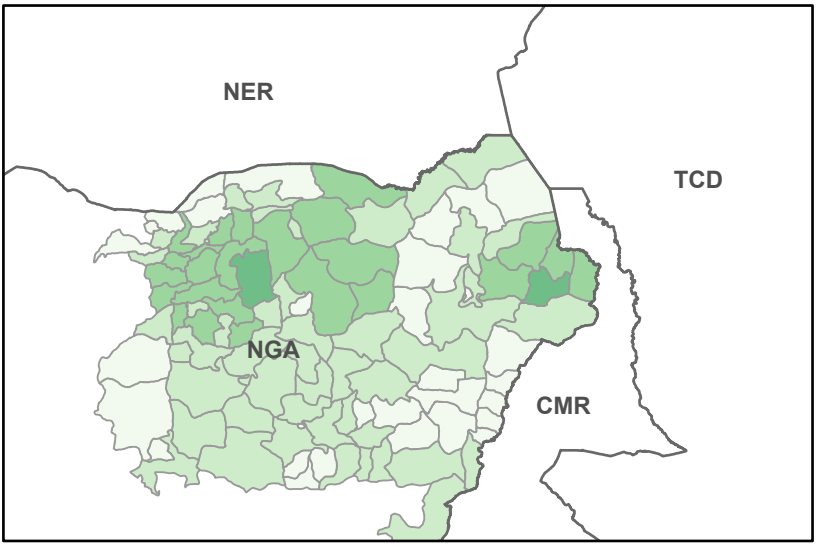
Global Data Sources:
Population - WorldPop 2022
Cropland Areas - NASA GFSAD30



Estimated population living within the flooded area (Admin Unit II)



Estimated crop lands within the flooded area (Admin Unit II)



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 Major City

 City

 International Boundary

 Administrative Boundary 1

 Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit

Potentially impacted population

0 - 1K

1K - 10K

10K - 20K

20K - 50K

>50K

Estimated flooded cropland (has)

0 - 1K

1K - 10K

10K - 50K

50K - 100K

>100K

Population Impact

Cropland Impact

High

Low

Low

High

These classes were dynamically derived from the impact estimates on population (Y-axis) and cropland (X-axis) for 9 combinations of low-low and high-high combined impact categories for each administrative level-II (district)

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Date Created: 19 Aug 2024 - Contact: hq.gis@wfp.org
Map Reference: MLI_FL_Aggregation_20240819_02

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0 16.5 33 66
Kilometers

Prepared by:
HQ GIS Unit,
WFP Emergencies

Nigeria Flooding

Rapid Flood Impact Analysis Breakdown

**estimated number of people living in the flooded areas with at least 100 people potentially affected per district. Vulnerable population within flooded area are estimates from WorldPop data.*

(Admin unit 1) Region	(Admin unit 2) District	Flooded Area (hectares)	Flooded Cropland (hectares)	Potentially Impacted Population*		
				Total in District	Children (0-9 y.o.)	Elderly (>60 y.o.)
Adamawa	Fufore	2,738	82	4,830	239	1,573
	Guyuk	272	148	1,430	67	475
	Shelleng	274	121	659	31	215
Bauchi	Song	110	6	153	8	51
	Bauchi	337	153	171	7	57
	Damban	1,358	11	3,453	139	1,226
	Darazo	1,022	761	1,711	70	603
	Gamawa	33,267	14,839	34,044	1,373	12,082
	Itas	15,111	7,808	44,569	1,979	16,009
	Jama'Are	610	393	1,856	77	657
	Katagum	3,862	1,720	5,667	229	1,966
	Kirfi	509	341	525	21	192
	Misau	1,518	1,259	6,430	263	2,256
	Shira	3,550	2,065	11,416	464	3,974
	Tafawa-Balewa	234	99	184	8	64
	Warji	590	168	1,520	62	544
	Zaki	25,403	9,033	36,178	1,489	12,786
Borno	Abadam	31,612	8	4,077	182	1,403
	Bama	28,514	921	11,209	595	3,904
	Biu	14	1	124	6	43
	Dambo	562	6	124	5	43
	Dikwa	35,321	16,754	31,959	1,355	11,577
	Gwoza	521	1	250	11	84
	Jere	2,526	315	23,777	970	7,888
	Kala	46,299	6,333	30,847	1,325	11,135

Gombe	Konduga	5,764	566	1,746	90	586
	Kukawa	12,572	0	3,116	123	1,075
	Mafa	37,666	9,875	51,398	2,242	17,355
	Marte	13,142	5,471	5,958	281	2,071
	Mobbar	1,865	276	2,381	102	829
	Monguno	4,315	703	1,985	92	673
	Ngala	30,211	7,493	28,592	1,219	10,410
	Nganzai	2,763	137	4,488	184	1,551
	Shani	293	133	1,081	48	385
	Balanga	55	49	253	11	86
	Dukku	1,547	994	2,114	87	750
	Funakaye	977	307	3,399	127	1,141
	Kwami	137	202	602	25	214
	Nafada	464	366	2,961	106	982
Jigawa	Yamaltu	41	57	144	6	51
	Auyo	17,933	7,765	54,576	2,290	19,596
	Birni Kudu	1,374	653	2,184	108	792
	Buji	1,718	1,032	3,001	137	1,100
	Guri	17,734	3,461	27,265	1,246	9,550
	Gwaram	1,726	983	4,348	188	1,564
	Hadejia	14	1	228	9	80
	Jahun	2,340	1,608	2,836	138	1,055
	Kafin Hausa	14,065	6,651	18,808	843	6,592
	Kaugama	2,801	1,051	5,581	263	2,034
	Kiri Kasamma	13,777	1,936	22,595	936	7,982
	Kiyawa	1,829	1,025	5,548	282	2,041
	Malam Madori	1,301	710	8,950	368	3,159
	Miga	19,069	3,570	20,546	910	7,482
Yobe	Taura	618	234	629	31	235
	Bade	18,759	782	62,701	2,541	21,580
	Bursari	12,433	2,146	8,894	437	3,018
	Damaturu	6,074	2,553	3,231	97	1,015
	Fika	248	101	421	16	141

Fune	12,116	3,428	5,766	244	2,037
Geidam	2,598	603	2,369	111	779
Gulani	1,849	454	3,315	130	1,129
Jakusko	56,064	7,140	60,343	2,468	20,890
Karasuwa	971	154	1,840	87	616
Nangere	4,747	597	5,515	229	1,914
Nguru	3,918	424	12,092	520	3,978
Tarmua	5,110	1,018	3,398	160	1,144
Yunusari	10,647	2,172	7,040	339	2,408

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