

NIGERIA

IMAGERY ANALYSIS: 19 TO 23/10/2022 PUBLISHED 25/10/2022 V1

FLOOD EXTENT
(19 -23 OCT. 2022)
25,000km²

POPULATION POTENTIALLY
EXPOSED (19 - 23 OCT. 2022)
5,200,000

HEALTH FACILITY
POTENTIALLY AFFECTED
664

SCHOOL POTENTIALLY
AFFECTED
1,160

FLOOD
FL20221019NGA



Satellite detected water extents between 19 and 23 October 2022 over Nigeria

This map illustrates cumulative satellite-detected water using VIIRS in Nigeria between 19 to 23 October 2022 compared with the period from 13 to 17 October 2022. Within the cloud free analysed areas of about 873,000 km², a total of about 25,000 km² of land appears to be affected. In the analysed areas, 664 health facilities and 1,160 schools are identified to be within or close to a flooded zone. In comparison with the period between 13 to 17 October 2022, water extent appears to have decreased of about 5,000 km². Based on Worldpop population data and the maximal flood water extent ~5,200,000 people are potentially exposed or living close to flooded areas amongst the 197 million people living in the analysed zone.

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
- State boundary
- Permanent water
- Cloud obstruction [19-23 Oct. 2022]
- Maximum flood water extent [19-23 Oct. 2022]
- Maximum flood water extent [13-17 Oct. 2022]

State	Cloud free analyzed Area [19-23 Oct. 2022] km ²	Maximum flood water extent [19-23 Oct. 2022] km ²	Population in cloud free areas [19-23 Oct. 2022]	Population potentially exposed to maximum flood water extent [19-23 Oct. 2022]	Water extent variation between 19-23 October 2022 & 13-17 October 2022 km ²
Nigeria	875,052	25,108	197,426,941	5,174,789	-5215
Abia	2,859	1	1,962,897	178	-11
Adamawa	37,800	932	4,968,210	237,257	-147
Akwa Ibom	2,292	72	1,784,355	55,102	-175
Anambra	4,397	1,465	5,274,459	644,448	201
Bauchi	50,446	254	7,670,284	56,318	55
Bayelsa	1,949	53	455,642	14,894	-588
Benue	30,903	1,001	6,483,195	212,650	-60
Borno	72,464	1,663	6,691,322	173,797	-323
Cross River	16,180	339	3,250,888	117,533	-615
Delta	12,832	1,358	5,006,701	529,267	-1580
Ebonyi	6,034	116	3,077,657	51,911	-64
Edo	18,999	492	4,484,406	115,856	22
Ekiti	5,754	5	3,682,287	2,792	4
Enugu	6,785	52	4,229,573	18,012	13
Federal Capital Territory	7,388	41	4,801,017	18,397	-3
Gombe	17,438	131	3,494,551	32,881	31
Imo	2,780	47	3,337,490	18,506	-36
Jigawa	23,202	992	6,208,848	259,477	-109
Kaduna	44,147	199	9,335,135	35,203	83
Kano	20,310	138	15,006,006	69,330	-457
Katsina	23,958	53	8,725,811	35,537	35
Kebbi	36,788	1,153	4,806,123	199,390	29
Kogi	28,813	2,812	5,024,609	478,138	193
Kwara	33,838	857	3,707,226	100,416	89
Lagos	3,493	188	13,053,305	249,098	99
Nasarawa	26,744	1,310	3,249,275	110,005	-4
Niger	72,143	3,274	6,381,096	372,004	359
Ogun	16,658	176	6,290,093	99,989	161
Ondo	14,910	146	5,241,117	46,946	44
Osun	8,622	12	5,702,839	6,378	3
Oyo	27,816	30	9,266,050	4,174	6
Plateau	26,489	80	4,938,686	52,916	-307
Rivers	3,014	341	2,311,487	209,973	-979
Sokoto	32,252	192	5,745,446	59,498	-108
Taraba	56,121	3,675	3,145,132	216,799	-650
Yobe	44,873	1,401	3,713,269	229,669	-447
Zamfara	33,559	59	4,920,673	40,050	22

Spatial Reference
Name: GCS WGS 1984
GCS: GCS WGS 1984
Datum: WGS 1984
Map Units: Degree

Satellite Data (1): NOAA-20/VIIRS
Imagery Date: 19 to 23 Oct. 2022
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Satellite Data (2): NOAA-20/VIIRS
Imagery Date: 13 to 17 Oct. 2022
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Boundary data: OCHA
Road data: OpenStreetMap
Populated place: OpenStreetMap
Waterways: OpenStreetMap
Health facility: HDX
Population data: Worldpop unconstrained [2020]
Background: ESRI Basemap

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

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