

SOUTH SUDAN

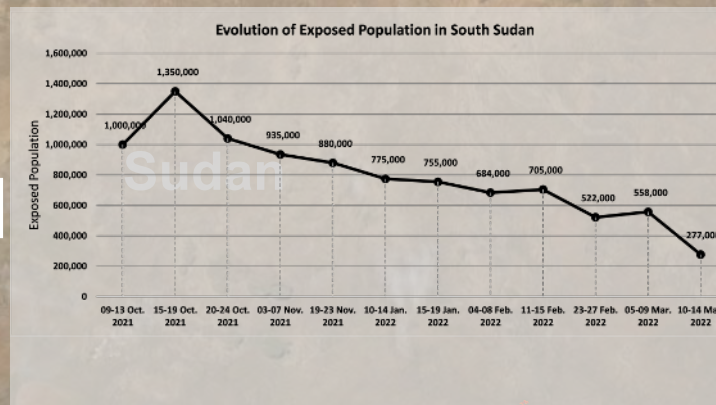
IMAGERY ANALYSIS: 10 TO 14/03/2022 PUBLISHED 03/16/2022 V1.

FLOOD EXTENT
(10 - 14 MAR. 2022)
~11,423km²

POPULATION POTENTIALLY
EXPOSED (10 - 14 MAR. 2022)
~277,113

FLOOD EXTENT
(05 - 09 MAR. 2022)
~23,411km²

POPULATION POTENTIALLY
EXPOSED (05 - 09 MAR. 2022)
~557,743



FLOOD
FL20220314SSD



Satellite detected water extents between 10 and 14 March 2022 over South Sudan

This map illustrates cumulative satellite-detected water using VIIRS in South Sudan between 10 to 14 March 2022 compared with the period from 05 to 09 March 2022. Within the cloud free analyzed areas of about 628,000 km², a total of about 11,400 km² of lands appear to be affected with flood waters. Water extent appears to have decreased about 12,000 km² since the period between 05 to 09 March 2022. Based on Worldpop population data and the maximal flood water coverage, ~277,000 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).

Legend

- Capital city
- City
- International boundary
- Undetermined boundary
- Province boundary
- County boundary
- Primary road
- Abyei Region
- Reference water
- Minimum floodwater extent
- Maximum floodwater extent

Map Scale for A3: 1:2,750,000
0 20 40 80 KM

Province	Population in cloud free areas [10-14 Mar 2022]	Cloud free analyzed Area [10-14 Mar 2022] Km ²	Population potentially exposed to maximum flood water extent [10-14 Mar 2022]	Maximum flood water extent [10-14 Mar 2022] Km ²	Water extent variation between 05-09 Mar.2022 & 10-14 Mar.2022 Km ²
Central Equatoria	1,870,814	43,044	1,065	27	-91
Eastern Equatoria	6,184,554	72,749	259	35	-6
Jonglei	2,056,992	121,221	86,137	4,681	-4,420
Lakes	894,656	43,039	3,726	211	-440
Northern Bahr el Ghazal	699,319	30,659	6,310	117	-157
Unity	966,208	36,918	140,458	3,994	-3,273
Upper Nile	1,493,347	76,181	33,019	2,050	-2,740
Warrap	1,025,744	34,681	6,056	299	-849
Western Bahr el Ghazal	461,904	90,478	46	7	-8
Western Equatoria	948,939	78,912	36	2	-4
Total	16,602,476	627,880	277,113	11,423	-11,987

Spatial Reference
Name: WGS 1984 UTM Zone 36N
PCS: WGS 1984 UTM Zone 36N
GCS: GCS WGS 1984
Datum: WGS 1984

Satellite Data (1): NOAA-20/VIIRS
Imagery Date: 10 to 14 Mar. 2022
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Satellite Data (1): NOAA-20/VIIRS
Imagery Date: 05 to 09 Mar. 2022
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Boundary data: OCHA
Road data: OpenStreetMap
Populated place: OpenStreetMap
Waterways: OpenStreetMap
Population data: Worldpop [2020]

Background: ESRI Basemap
Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)