



Satellite detected water extent, between the 02nd and the 06th September compared with the 28th August and the 1st September 2020 in Khartoum, Al Jazirah, Sennar and White Nile States, Sudan

This map illustrates satellite-detected surface waters (cumulative) in Sudan as detected by VIIRS-NOAA satellite between 02 & 06 September 2020 compared with the 28th August and the 1st September 2020. Within the analyzed area of about 900,000 km², a total of about 20,000 km² of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 1,700,000 people are potentially exposed or living close to flooded areas. The potentially exposed population is mainly located in the states of Khartoum with ~600,000 people, Sennar with ~250,000 people, Blue Nile with ~170,000 people and Al Jazirah with ~170,000 people.

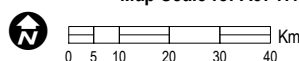
This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Legend

-  Pyramid of Meroë
-  Capital
-  City/Town
-  Country boundary
-  State boundary
-  Reference water
-  Satellite detected water [28 August - 01 September 2020]
-  Satellite detected water [02 - 06 September 2020]

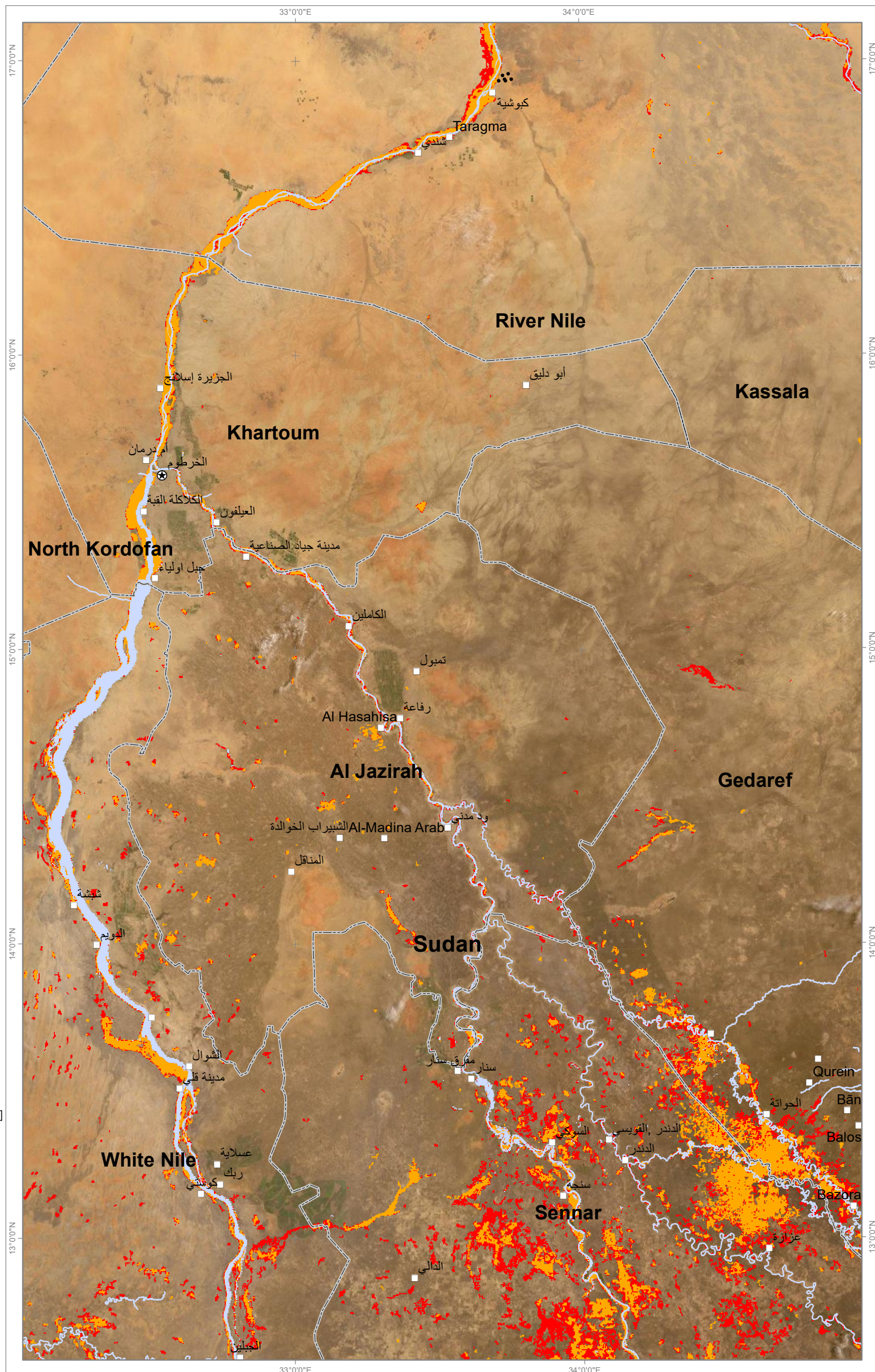


Map Scale for A3: 1:1,500,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 36N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data (1): VIIRS-NOAA
Imagery Dates: 02-06 September 2020
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Satellite Data (2): VIIRS-NOAA
Imagery Dates: 28 August - 01 September 2020
Resolution: 375 m
Copyright: NOAA/Suomi NPP
Source: NOAA

Road Data : OpenStreetMap
Population data: WorldPop
Boundary data: OCHA
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners. This work by UNITAR-UNOSAT is licensed under a CC BY-NC 3.0.