

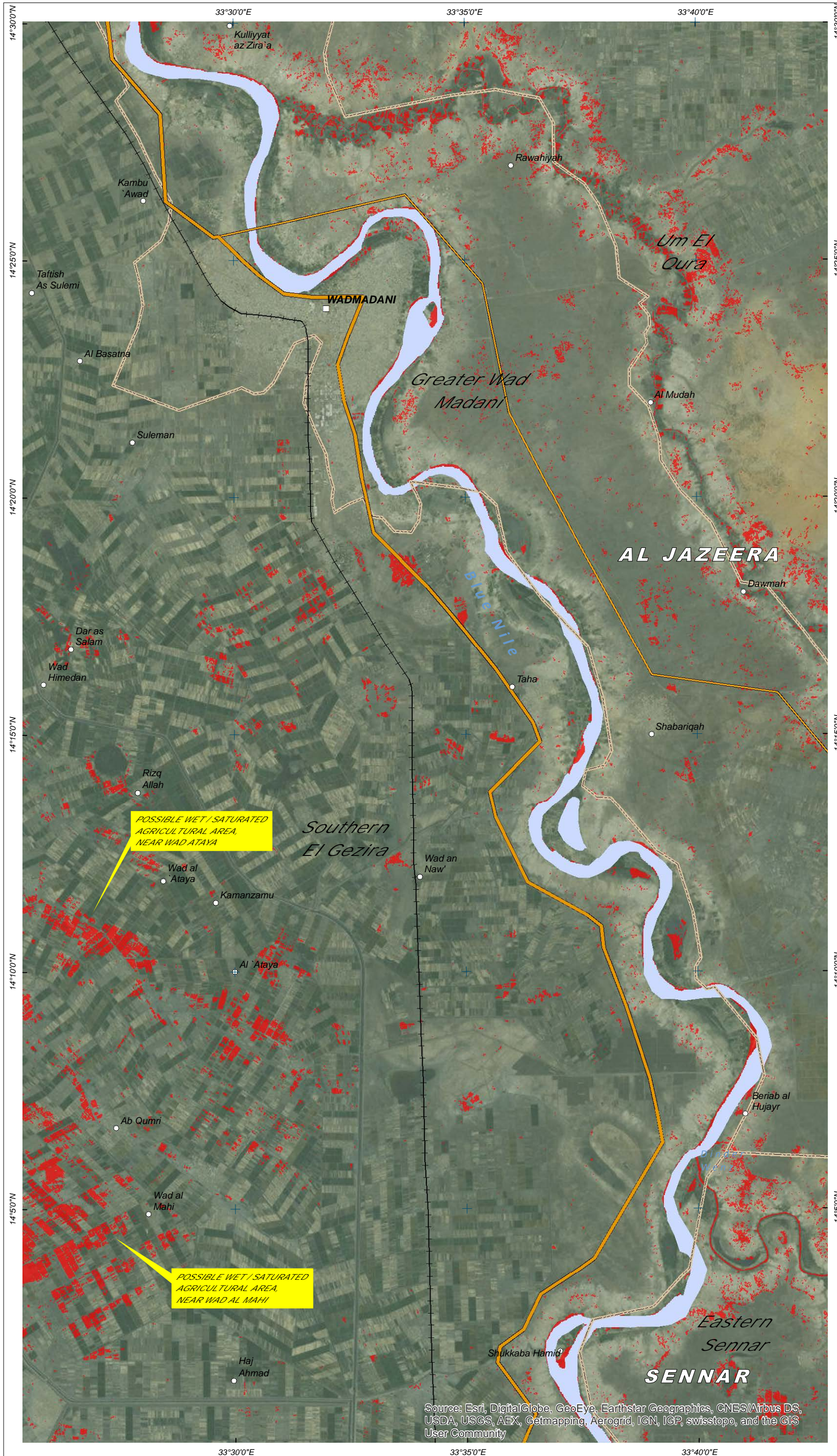
POSSIBLE FLOOD WATER & SATURATED SOIL OVER WAD MADANI, AL JAZEERA STATE, SUDAN

Production Date: 23/08/2016

Version 1.0

Activation Number: FL20160808SDN

Analysis with Radarsat-2 Data Acquired 18 August 2016 and Radarsat-2 Data Acquired 22 November 2009



This map illustrates satellite detected possible flood water & saturated soil over Wad Madani, in Al Jazeera State, extracted from Radarsat-2 imagery (12 m) acquired on 18 August 2016. According to satellite derived analysis some areas within Al Jazeera State seem to be flooded. Possible flooded agricultural areas and saturated soils are particularly visible over Southern Al Jazeera Locality. The exact limit of flood waters is uncertain because of the low spatial resolution of the satellite data used for this analysis. Detected water bodies likely reflect an underestimation of all flood-affected areas within the map extent. This analysis has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

LEGEND

- City / Town
- Populated Place
- ++ Railroad
- Primary Road
- Secondary Road
- ▭ Locality Boundary

DERIVED WATER EXTENT ANALYSIS (Satellite-Based Classification)

- Possible Flood Water & Saturated / Wet Soil Radarsat-2 (18 August 2016)
- Pre-Crisis Water Extent October 2011

Disaster coverage by the International Charter 'Space and Major Disasters'. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit www.disasterscharter.org



Map Scale for A3: 1:150,000

Satellite Data (1): Radarsat-2
Imagery Date: 18 August 2016
Resolution: 12 m
Copyright: MacDonald, Dewitter and Associates, Ltd
Source: MDA Satellite
Satellite Data (2): Radarsat-2
Imagery Date: 22 November 2009
Resolution: 50 m
Copyright: MacDonald, Dewitter and Associates, Ltd
Source: MDA Satellite

Pre Flood Data: UNDP
Road Data : Google Map Maker / OSM / ESRI
Other Data: UNCS, NASA, NGA
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT
Analysis conducted with ArcGIS v10.3

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

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 and development agencies and their implementing partners.

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Contact Information: unosat@unitar.org 24/7
Hotline: +41 75 411 4998
www.unitar.org/unosat

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community