






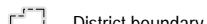
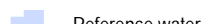
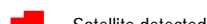


### Satellite Detected Waters in Elegu Town, Amuru District, Uganda

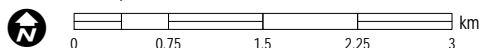
This map illustrates satellite-detected surface water extent in Elegu town and surroundings using a Sentinel-1 satellite image acquired on the 23 August 2017. Within the map extent, surface waters extended of about 12% more particularly south and north-west of Elegu where evidences of floods could be observed. It is likely that flood waters have been systematically underestimated along highly vegetated areas along main river banks, and within built-up urban areas because of the characteristics of the satellite data used. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

District	Reference Water (ha)	Satellite detected waters (ha) [23 August 2017]
ADJUMANI	339.37	308.07
AMURU	2.28	76.38
MOYO	2.17	1.89
<b>Total</b>	<b>343.81</b>	<b>386.34</b>

#### Legend

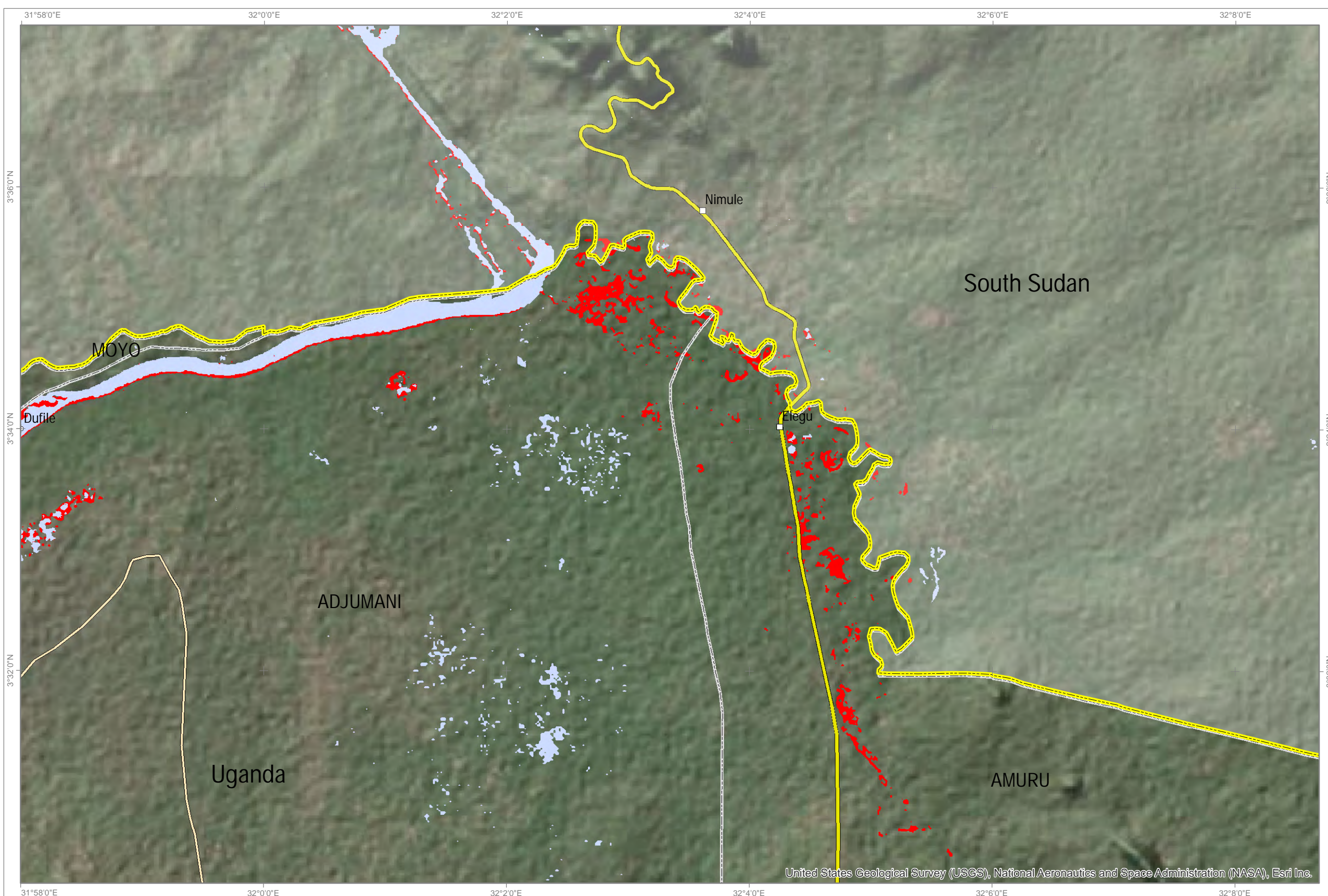
-  City/Town
-  Village
-  Primary road
-  Secondary road
-  International boundary
-  District boundary
-  Reference water
-  Satellite detected waters [23 August 2017]

Map Scale for A3: 1:60,000



Analysis conducted with ArcGIS v10.4.1

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



United States Geological Survey (USGS), National Aeronautics and Space Administration (NASA), Esri Inc.

Satellite Data (1): Sentinel-1  
Imagery Dates: 23 August 2017  
Resolution: 10 m  
Copyright: Copernicus 2017 / ESA  
Source: ESA

Reference water: Global Surface Water / Nature  
540, 418-422 (2016) / Sentinel-1 (29 August 2017)  
Baselines : OpenStreetMap, HDX  
Other Data: USGS, UNCS, NASA, NGA  
Analysis : UNITAR - UNOSAT  
Production: UNITAR - UNOSAT

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