











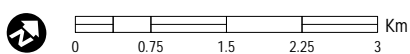
Satellite Detected Surface Waters Extent and Evolution in Niamey, Niger

This map illustrates the satellite-detected surface waters extent and evolution over Niamey and surroundings in Niger as observed from the Sentinel-1 images acquired on 14 and 26 August 2017. Within the analysed area, an increase of surface waters extent was observed from the 26 August 2017 image: ~7,870 ha of surface water were observed the 14 August 2017 and reached ~10,210 ha the 26 August 2017. All over the analysed zone, it corresponds to an evolution of about 30%. In Niamey an increase of water surface of 320 ha was observed corresponding to an evolution of ~20% by comparison to the surface water detected on 14 August 2017. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Legend

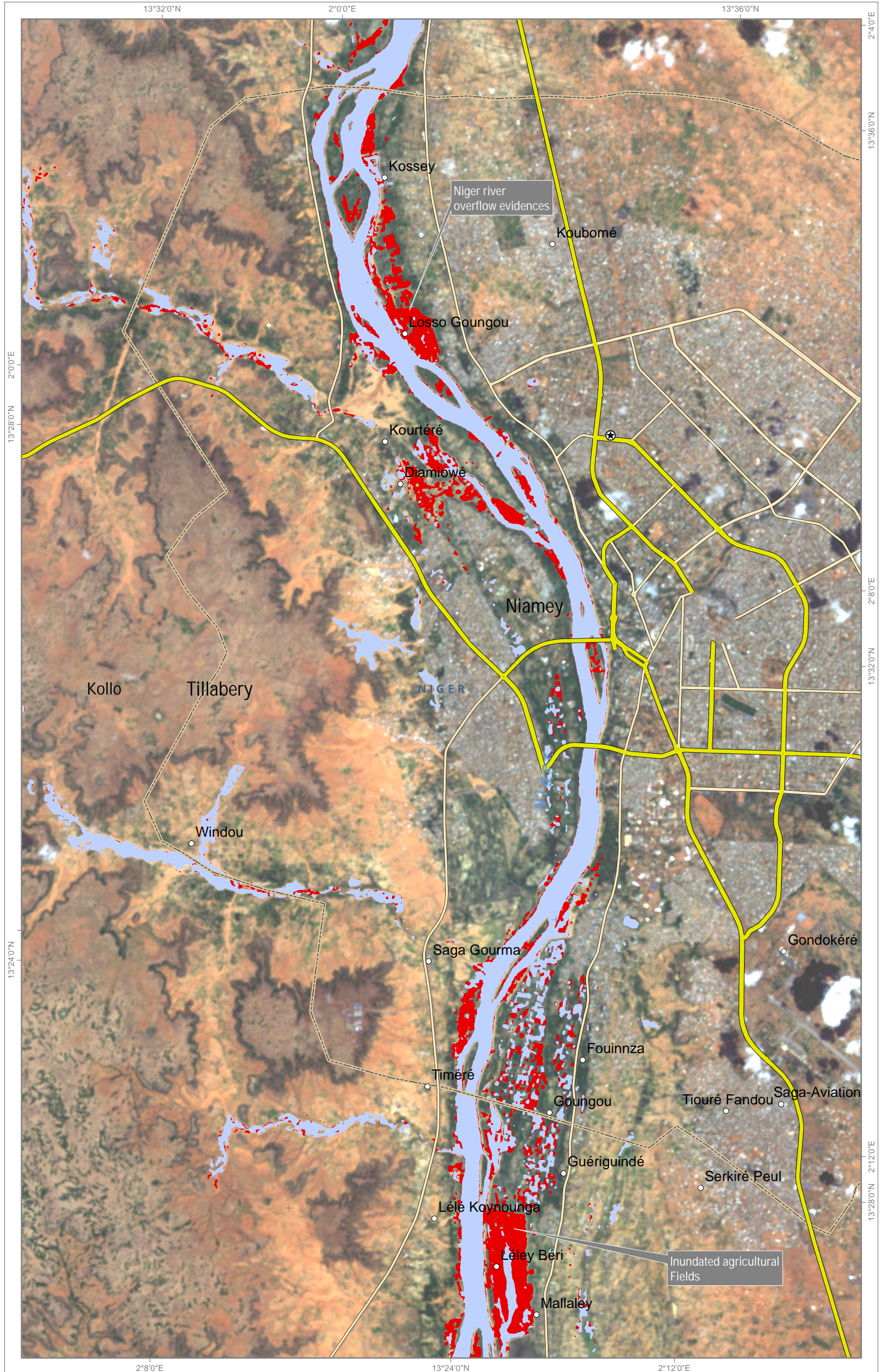
-  Capital
-  City/Town
-  Village
-  Primary road
-  Secondary road
-  Region boundary
-  Satellite detected waters [14 August 2017]
-  Satellite detected waters [26 August 2017]

Map Scale for A3: 1:75,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 31N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data (1): Sentinel-1
Imagery Dates: 26 August 2017
Resolution: 10 m
Copyright: Copernicus 2017 / ESA
Source: ESA

Satellite Data (2): Sentinel-1
Imagery Dates: 14 August 2017
Resolution: 10 m
Copyright: Copernicus 2017 / ESA
Source: ESA

Road Data : OpenStreetMap, HDX
Other Data: USGS, UNCS, NASA, NGA
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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