CENTRAL AFRICAN REPUBLIC

Basse-Kotto Prefecture

Imagery analysis: 5 November 2019 | Published on 7 November 2019 | Version 1.0

Flood

FL20191028CAF

unitar
United Nations Institute for Training and Research

UNOSAT

Satellite-detected water extents, as of 5 November 2019 over Basse-Kotto Prefecture of the Central African Republic

This map illustrates satellite-detected surface waters in Basse-Kotto Prefecture of the Central African Republic, as observed from Sentinel-1 imagery acquired on 5 November 2019. Within the analysed extent of about 390 km2, a total of about 7 km2 of land appear to be flooded. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Important note: Flood analysis with Sentinel-1 imagery may notably underestimate the presence of standing water in built up areas due to backscattering of the radar signal.

Legend

- Village
- Road
- International boundary
- Sub-prefecture boundary
- Analysis extent
- Reference water
- Satellite-detected water [5 November 2019]

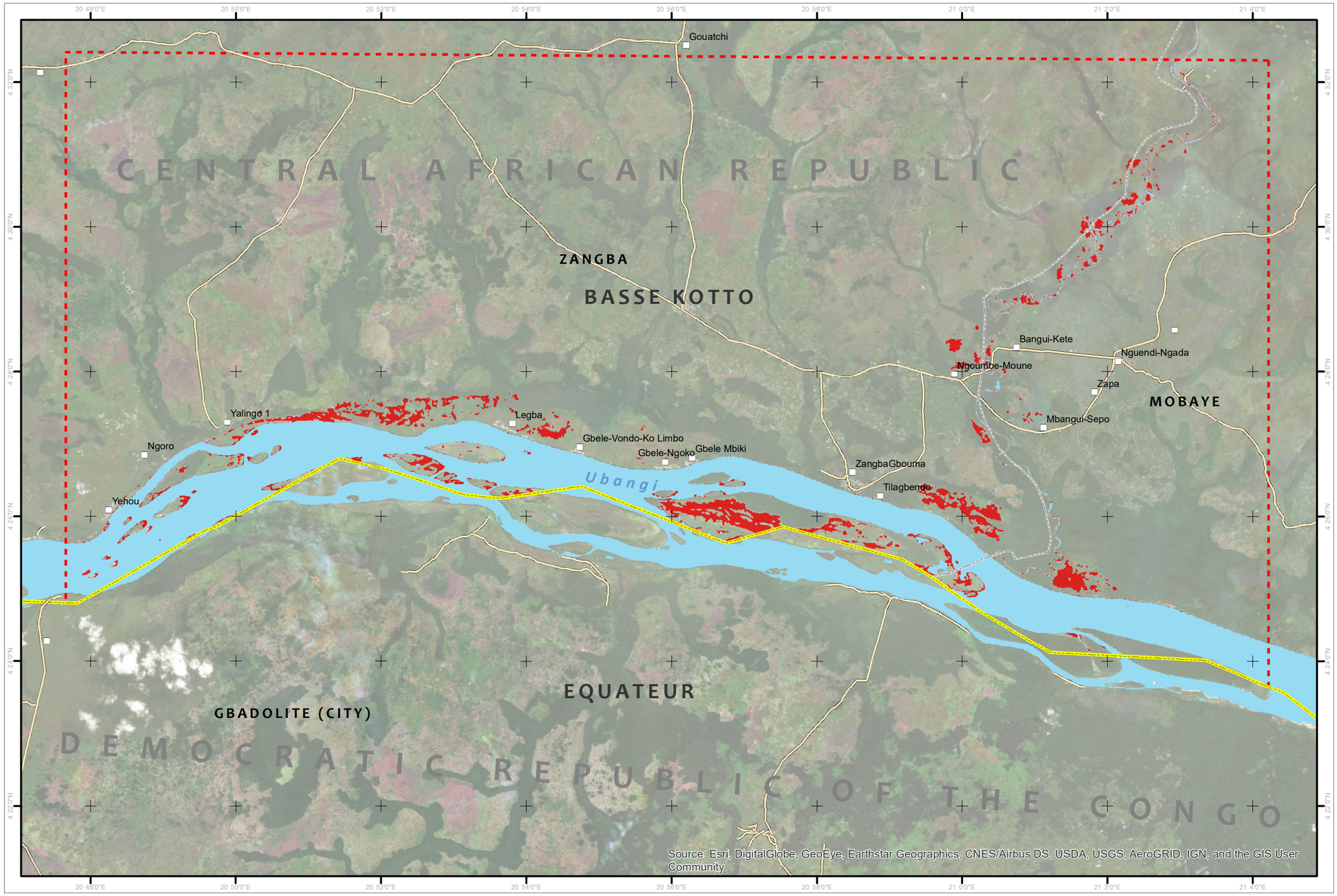
Prefecture	Sub-Prefecture	Total Sub-Prefecture Area in AOI (km2)	Flood Extent (km2)	Population Potentially Exposed
Basse-Kotto	Mobaye	90	2	60
	Zangba	300	5	220
Total		390	7	280

Map Scale for A3: 1:100,000

0 0.5 1 2 3 4 5 Km

Analysis conducted with SNAP v7.0 and ArcGIS v10.7

Coordinate System: WGS 1984 UTM Zone 34N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data (Post): Sentinel-1
Imagery Dates: 5 November 2019
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2019]
Source: ESA

Satellite Data (Pre): Sentinel-1
Imagery Dates: 12 October 2019
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2019]
Source: ESA

Boundary data: OCHA Central African Republic, HDX
Population data: WorldPop [2019]
Road data : OpenStreetMap
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT