












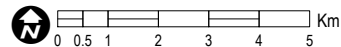
### Satellite Detected Water Extent in Khamkeuth District, Borikhamxay Province, Lao PDR

This map illustrates the satellite-detected water extent in the District of Khamkeuth in Borikhamxay province, in the central-northern part of Lao People's Democratic Republic after the tropical storm SONCA-17. The UNITAR-UNOSAT analysis used a Sentinel-1 satellite image acquired on the 11 August 2017 and detected several areas with potentially standing waters. In the district of Khamkeuth ~2,441 ha are likely flooded. Kindly note, the district of Khamkeuth has been partially analyzed due to the image does not cover the full district. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

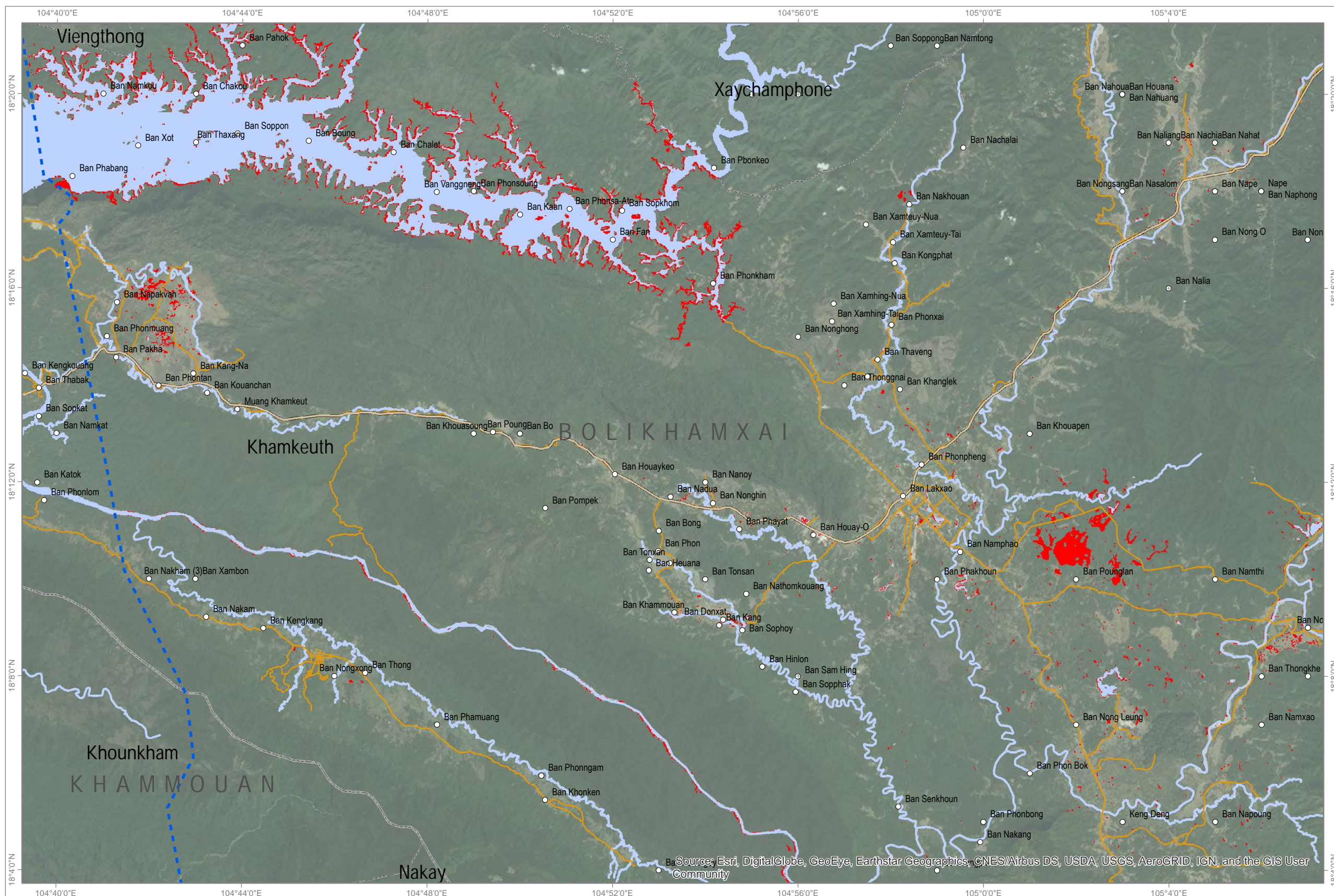
#### Legend

-  Populated place
-  Primary road
-  Secondary road
-  Waterways
-  District boundary
-  Province boundary
-  Analyzed area (Khamkeuth district)
-  Permanent water body
-  Satellite detected water (11 August 2017)

Map Scale for A3: 1:150,000



Analysis conducted with ArcGIS v10.4  
 Coordinate System: WGS 1984 UTM Zone 48N  
 Projection: Transverse Mercator  
 Datum: WGS 1984  
 Units: Meter



Satellite Data (1): Sentinel-1  
 Imagery Dates: 11 August 2017  
 Resolution: 10m  
 Copyright: Copernicus 2017 / ESA  
 Source: ESA

Baseline Data : National geographical department Laos,  
 OpenStreetMap  
 Permanent Water: EC JRC/Google  
 Analysis : UNITAR - UNOSAT

Production: UNITAR - UNOSAT

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