










### Satellite detected water extent over Sanamxay District, Attapeu Province, Lao People Democratic Republic

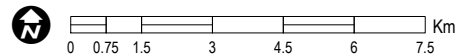
This map illustrates the satellite-detected surface waters extent in Sanamxay district, Attapeu province, as observed from the Radarsat-2 radar image acquired on 24 July 2018. The previous day, the Xe-Namnoy dam collapsed, inducing flash floods along the Vang Ngao river and affecting several villages located 50 km downstream. Within the analysed area 14,692 ha of surface waters were detected after the heavy rains that happened on 22 July and as well the collapse of the dam. Several villages and surrounding agricultural fields seems to be inundated. The villages of Ban Hinlat, Ban Thaseangchan, Ban Mai and Ban Samong-tai seems to be the most affected ones. It is likely that flood waters have been systematically underestimated along highly vegetated areas, along the main riverbanks and within built-up urban areas because of the special characteristics of the used satellite data. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

#### Legend

-  Populated place
-  Potential affected village
-  Local/Urban road
-  Reference water
-  Flood water extent as of 24 July 2018
-  Province boundary
-  District boundary

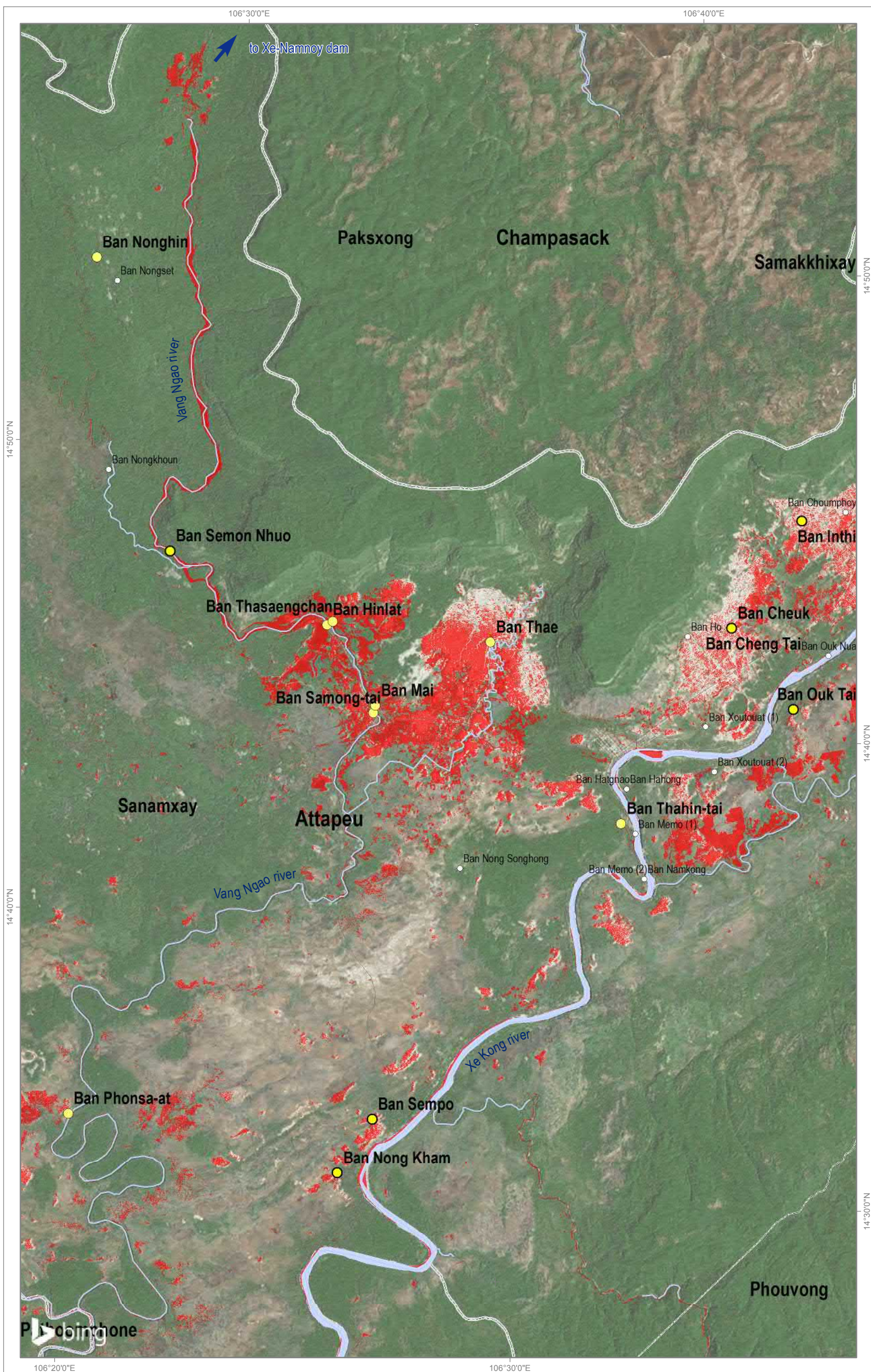


Map Scale for A3: 1:160,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 48N  
Projection: Transverse Mercator  
Datum: WGS 1984  
Units: Meter



Satellite Data (Post): Radarsat-2  
Imagery date: 24 July 2018  
Resolution: 3 m  
Copyright: MacDonald, Dewitter and Associates, Ltd. (2018)  
Source: MDA

Other data: OCHA ROAP, WFP  
Waterways: Open Street Map  
Roads: Open Street Map  
Analysis: UNITAR - UNOSAT  
Production: UNITAR - UNOSAT

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