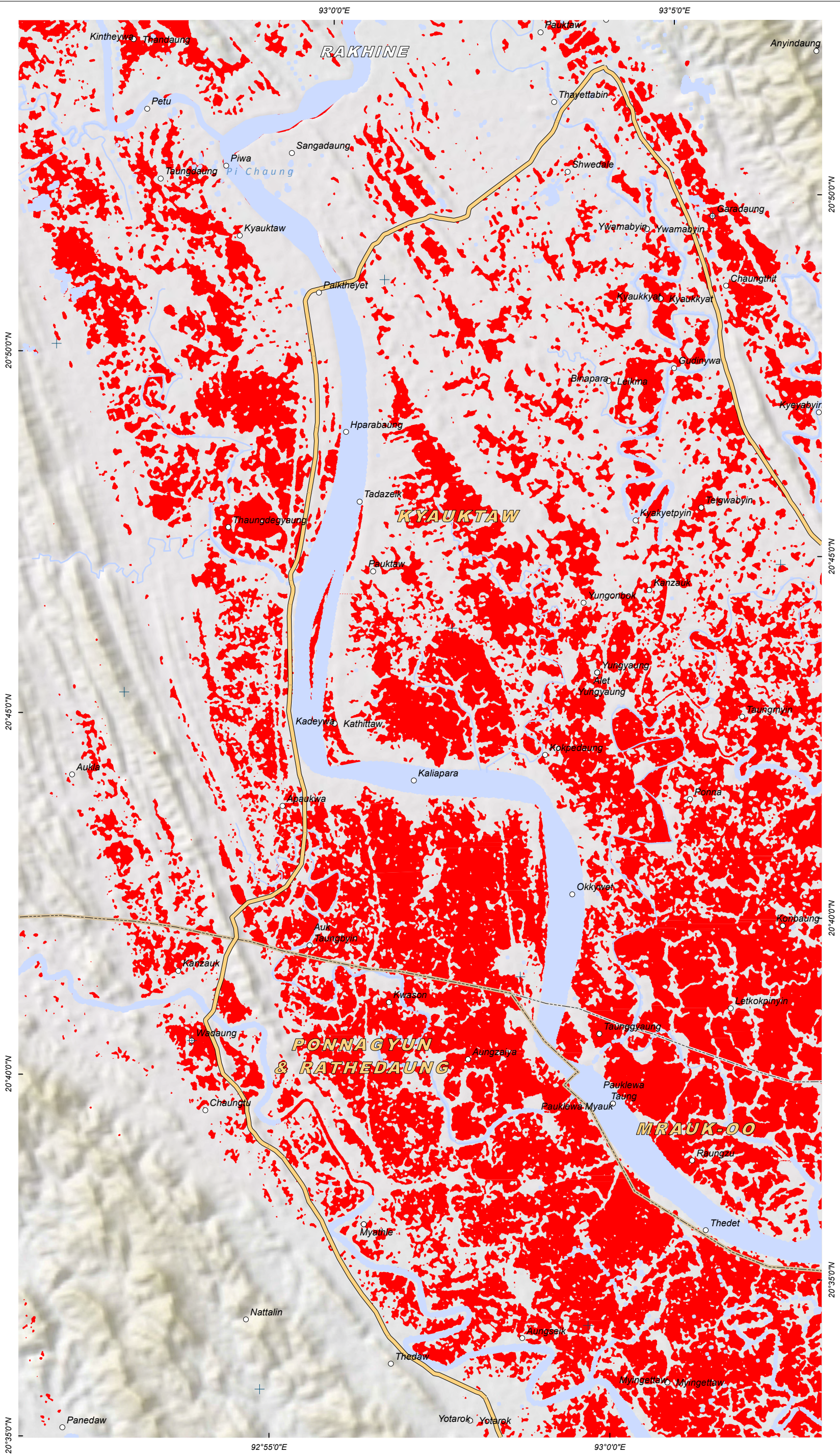


# FLOOD WATERS OVER KYAUTAW AREA, RAKHINE STATE, MYANMAR

Analysis with Radarsat-2 Data Acquired 17 August 2015 and Landsat-8 Data Acquired 30 January 2015



**Flooding**



Production Date:  
19/08/2015

Version 1.0

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This map illustrates satellite-detected flood waters over north Rakhine State, Myanmar, in the areas of Kyauktaw and Ponnagyun and Rathedaung townships, as imaged by the Radarsat-2 satellite on 17 August 2015. Waters along the Kaladan River have expanded and inundated lands on either sides of the river bank. Total surface area covered with water in the analysed area has increased from a pre-flood level of 4% to 8% during the flood period, and as of 17 August 2015 a total of ~55,000 ha of lands were affected. Due to sensor limitations, flood waters could be underestimated in urban areas and areas covered with vegetation. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

## LEGEND

- Village
- Airport
- Highway/Primary Road
- State Boundary
- Township Boundary

## FLOOD WATER EXTENT ANALYSIS

(Satellite-Based Classification)

- Probable Standing Flood Waters [Radarsat-2 - 17 August 2015]
- Pre-Crisis Water Extent [Landsat-8 - 30 January 2015]

Map Scale for A3: 1:100,000

Satellite Data (1): Radarsat-2  
Imagery Dates: 17 August 2015  
Resolution: 12.5 m  
Copyright: MacDonald, Dewitter and Associates, Ltd.  
Source: MDA Satellite  
Satellite Data (2): Landsat-8  
Imagery Dates: 30 January 2015  
Resolution: 30 m  
Copyright: USGS  
Source: USGS  
Road Data : OpenStreetMap  
Other Data: USGS, UNCS, NASA, NGA, COD, MIMU  
Analysis : UNITAR / UNOSAT  
Production: UNITAR / UNOSAT  
Analysis conducted with ArcGIS v10.3

Coordinate System: WGS 1984 UTM Zone 46N  
Projection: Transverse Mercator  
Datum: WGS 1984  
Units: Meter

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