

# FLOOD WATERS OVER SOUTHEAST BAGO STATE, MYANMAR

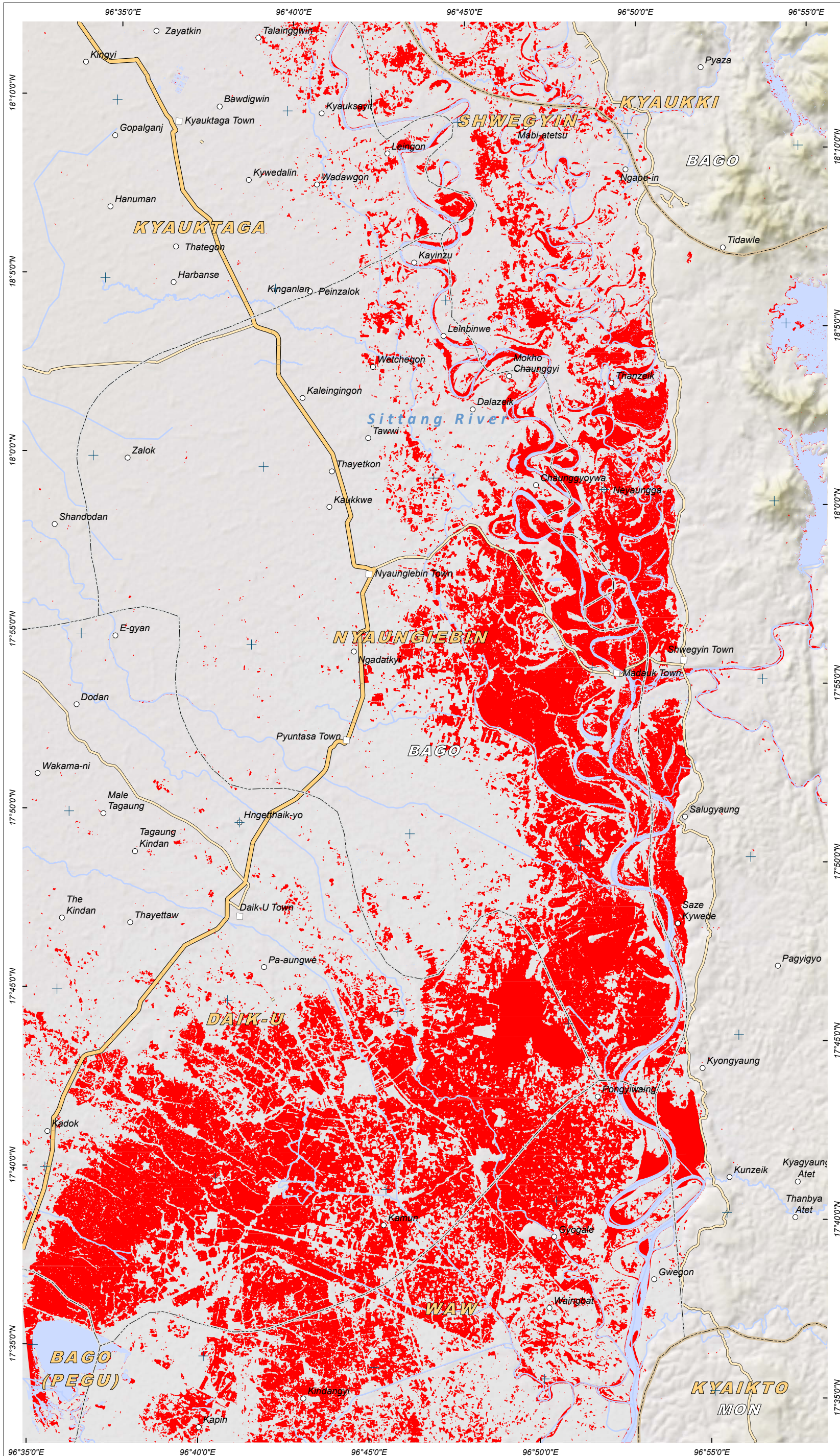
Analysis with Sentinel-1 Satellite Data Acquired 6 August 2015, 15 March 2015 and 2 February 2015

**Flooding**

Production Date:  
08/08/2015

Version 1.0

Glide Number:  
FL-2015-000089-MMR



This map illustrates satellite-detected flood waters in the Southern region of Bago State in the areas of Nyaungiebin, Daik-U, Waw, Shwegyin and Kyauktaga townships of Myanmar as imaged by the Sentinel-1 satellite on 6 August 2015. Waters along the Sittang River have expanded and inundated lands on either sides of the river bank. Total surface covered with water in the analyzed area has increased from a pre-flood level of 3% to 20% during the flood period, and as of 6 August 2015 a total of ~70,000 ha of lands were affected. Most of the affected lands south of Daik-U town seem to be mainly agricultural fields, many of which are of course frequently inundated at other times as well. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

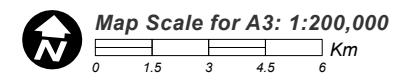
## LEGEND

- City/Town
- Village
- Highway/Primary Road
- Secondary Road
- State Boundary
- Township Boundary

## FLOOD WATER EXTENT ANALYSIS

(Satellite-Based Classification)

- Probable Standing Flood Waters: [Sentinel-1 - 6 August 2015]
- Pre-Crisis Water Extent [Sentinel-1 - 15 March and 7 February 2015]



Satellite Data (1): Sentinel-1  
Imagery Dates: 6 August 2015  
Resolution: 10 m  
Copyright: Copernicus 2014 / ESA  
Source: Sentinel-1 Scientific Data Hub  
Satellite Data (2): Sentinel-1  
Imagery Dates: 15 March 2015 and 7 February 2015  
Resolution: 10 m  
Copyright: Copernicus 2014 / ESA  
Source: Sentinel-1 Scientific Data Hub  
Road Data: OpenStreetMap  
Other Data: USGS, UNCS, NASA, NGA, MIMU, COD  
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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