

# FLOOD WATERS OVER CENTRAL SAGAING STATE, MYANMAR

Analysis with SENTINEL-1 Satellite Data Acquired 18 July 2015 and Landsat-8 Satellite Data Acquired 29 April 2015

Flooding



Production Date: 24/07/2015

Version 1.0

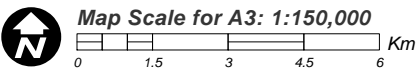
Glide Number: FL-2015-000089-MMR



This map illustrates satellite-detected flood waters in the centre of Sagaing State in the areas of Kawlin, Kanbalu, Taze and Kyunhla Townships of Myanmar as imaged by the Sentinel-1 satellite on 18 July 2015 and compared with waters imaged by Landsat-8 satellite and acquired 29 April 2015. Heavy rains at the onset of the monsoon season have caused flooding and an expansion of the dam reservoir close to Kanbalu town. Waters extended to about 80% in the area covered by the map and this includes the expansion of the dam reservoir. However the dam reservoir does not seem to be overflowing as of the 18 July 2015. Note also, many of inundated areas are swamps which are regularly flooded in the rainy season and as the river expands. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

## LEGEND

- Settlement
- Secondary Road
- Local/Urban Road
- Township Boundary
- Pre-Crisis Water Extent
- Satellite Detected Waters



Satellite Data (1): SENTINEL-1  
Imagery Dates: 18 July 2015  
Resolution: 10 m  
Copyright: Copernicus 2014 / ESA  
Source: Sentinel-1 Scientific Data Hub  
Satellite Data (2): Landsat-8  
Imagery Dates: 29 April 2015  
Resolution: 30 m  
Copyright: NASA  
Source: NASA  
Road Data : OpenStreetMap  
Other Data: USGS, UNCS, NASA, NGA, 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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# UNOSAT

Contact Information: [unosat@unitar.org](mailto:unosat@unitar.org)  
24/7 Hotline: +41 76 487 4998  
[www.unitar.org/unosat](http://www.unitar.org/unosat)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community