

# FLOOD WATERS OVER WESTERN SAGAING DIVISION, MYANMAR

Analysis with Sentinel-1 Satellite Data Acquired 4 September 2015 and 20 March 2015

**Flooding**

Production Date:  
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Version 1.0

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This map illustrates satellite-detected flood waters in western Sagaing Division in the areas of Homalin, Tamu, Phaungbyin and Mawlaik townships of Myanmar as imaged by the Sentinel-1 satellite on 4 September 2015. Waters along the Chindwin have expanded and inundated lands on either sides of the river bank and as of 4 September 2015 a total of ~111,000 ha of lands were affected. Total surface area covered with water in the analysed area has increased from a pre-flood level of 0.4% to 2.9 % during the flood period. 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
- Airport
- Highway/Primary Rd.
- Secondary Rd.
- International Boundary
- Township Boundary

**WATER EXTENT ANALYSIS**  
(Satellite-Based Classification)

- Satellite Detected Waters: [Sentinel-1 - 4 September 2015]
- Satellite Detected Waters: [Sentinel-1 - 20 March 2015]

**Map Scale for A3: 1:350,000**  
0 2 4 6 8 10 Km

Satellite Data (1): Sentinel-1  
Imagery Dates: 4 September 2015  
Resolution: 10 m  
Copyright: Copernicus 2014 / ESA  
Source: Sentinel-1 Scientific Data Hub  
Satellite Data (2): Sentinel-1  
Imagery Dates: 20 March 2015  
Resolution: 10 m  
Copyright: Copernicus 2014 / ESA  
Source: Sentinel-1 Scientific Data Hub  
Road Data : Google Map Maker  
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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