RESERVOIR EXPANSION NEAR SHWEBO IN SAGAING REGION, MYANMAR

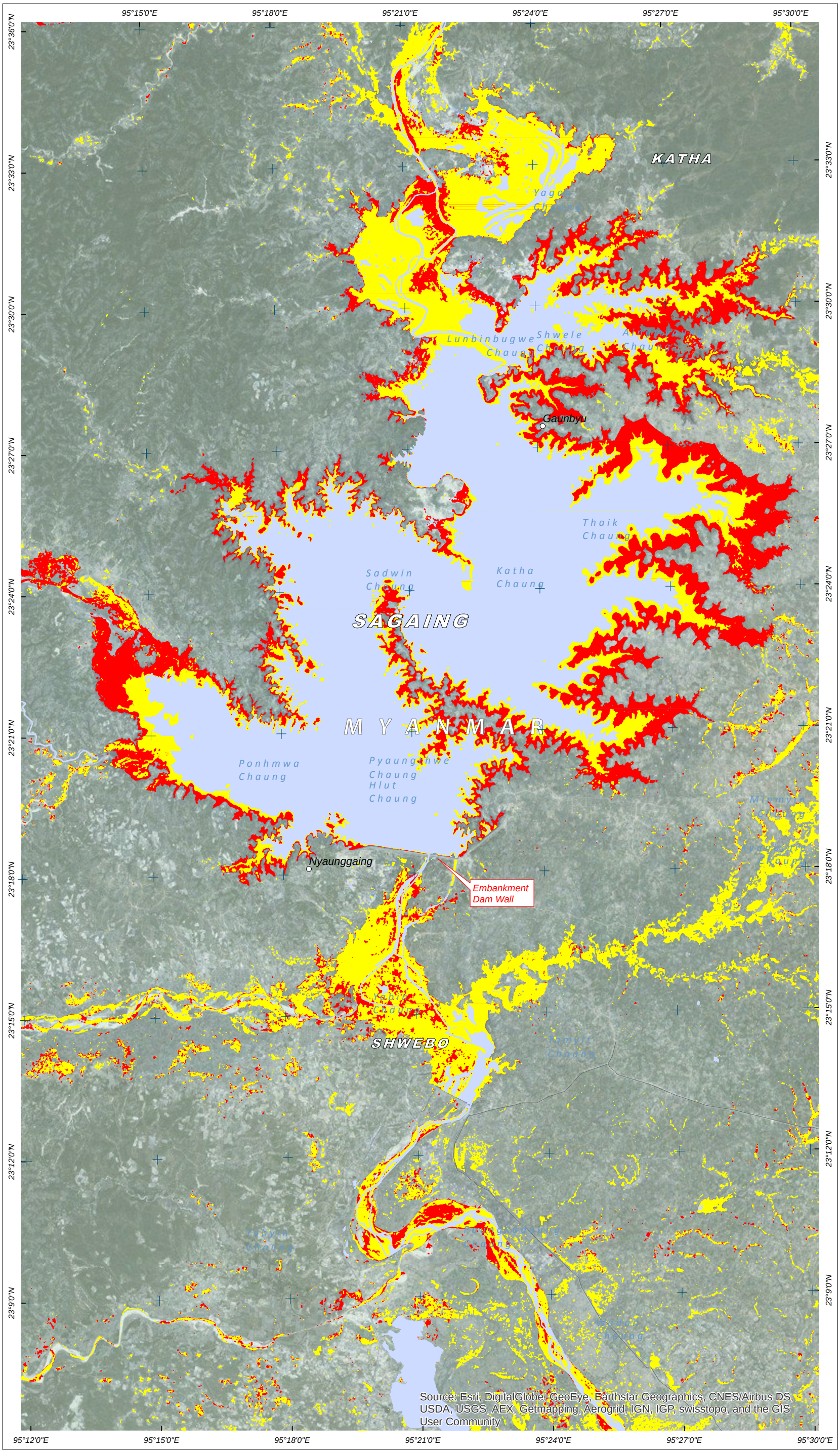
Analysis with RADARSAT- 2 Data Acquired 30 July 2015, SENTINEL-1 Data Acquired 18 July 2015 and Landsat-8 Data Acquired 29 April 2015

Flooding

Production Date: 31/07/2015

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 Radarsat-2 satellite on 30 July 2015 and compared with Sentinel-1 satellite data on 18 July 2015 and Landsat-8 satellite acquired 29 April 2015. There is a notable increase in the expansion of reservoir compared to the previous weeks. 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*
- *Pre-Crisis Water Extent*
- *Satellite Detected Waters 18 July 2015*
- *Satellite Detected Waters 30 July 2015*

Map Scale for A3: 1:150,000

0 1.5 3 4.5 6 Km

Satellite Data (1): RADARSAT 2
Imagery Dates: 30 July 2015
Resolution: 12.5 m
Copyright: KSAT
Source: KSAT
Satellite Data (2): SENTINEL-1
Imagery Dates: 18 July 2015
Resolution: 10 m
Copyright: Copernicus 2014 / ESA
Source: Sentinel-1 Scientific Data Hub
Satellite Data (3): 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

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian and development agencies and their implementing partners.

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