












Satellite detected water extent as of 3 August 2020 in central part of Myanmar

This map illustrates satellite-detected surface waters over Mandalay, Sagaing Region and Kachin State of Myanmar as observed from a Sentinel-1 image acquired on 3 Aug 2020 due to the current monsoon rains. Within the analyzed area of about 56,500 km², a total of about 1,000 km² of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 665,200 people are potentially exposed or living close to flooded areas. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

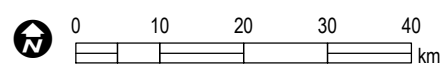
Important Note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering

Legend

-  City / Town
-  Airport
-  Road
-  Division boundary
-  District boundary
-  Reference water
-  Analysis Extent
-  Satellite detected water [3 August 2020]
-  Satellite detected water [24 July 2020]

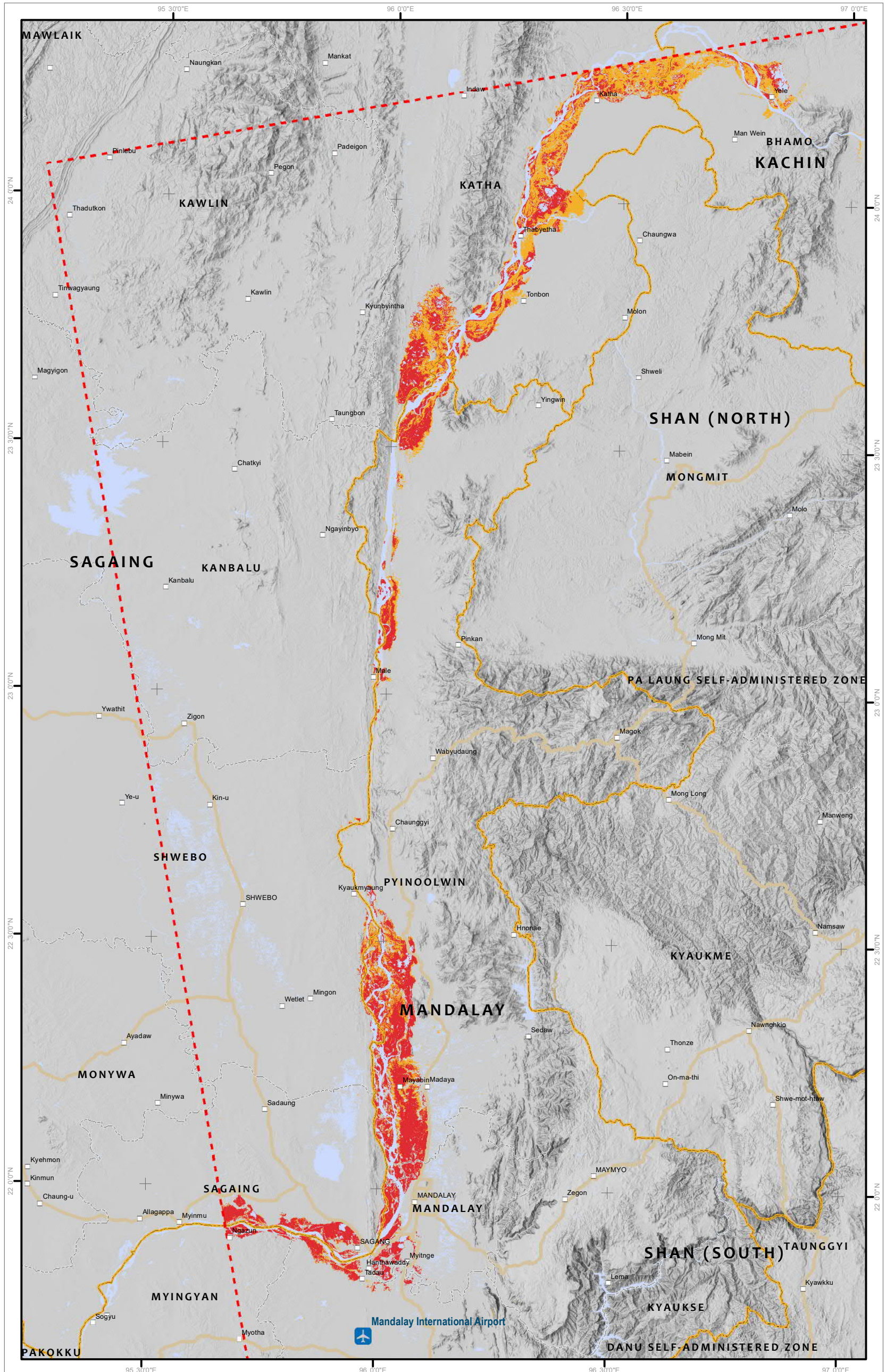
State / Region	District	Flood Extent (km ²)	Total Population in AOI	Population Potentially Exposed
Kachin	Bhamo	64	282,189	37,600
	Kyaukse	31	336,405	12,800
Mandalay	Mandalay	72	1,592,821	217,500
	Myingyan	14	36,171	115,900
	Pyinoolwin	406	924,304	142,900
Sagaing	Sagaing	79	301,403	56,400
	Shwebo	12	537,131	1,700
	Kanbalu	3	302,562	150
	Katha	247	289,877	80,200
Total		930	4,602,862	665,150

Map Scale for A3: 1:900,000



Analysis conducted with ArcGIS v10.7

Coordinate System: WGS 1984 UTM Zone 47N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data : Sentinel-1
Imagery Dates (1) : 3 August 2020
Imagery Dates (2) : 24 July 2020
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2020]
Source: ESA

Administrative boundaries: Myanmar Information Management Unit (MIMU)
Population data: WorldPop [2020]
Reference Water : JRC
Background : ALOS Global DSM
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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