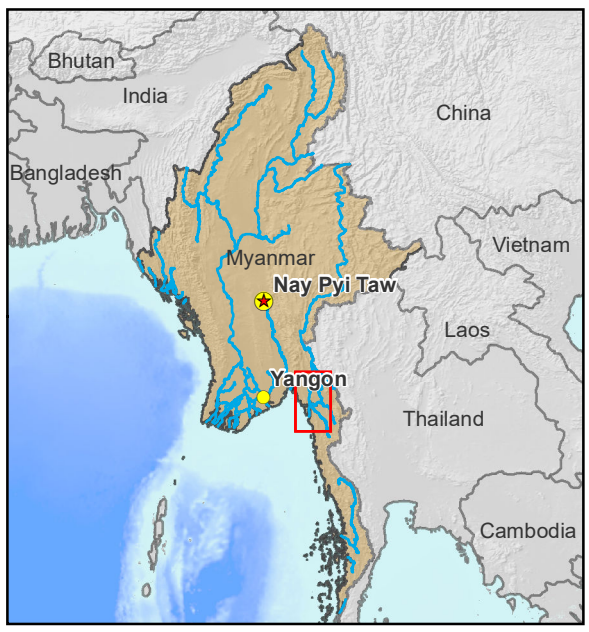
MIMU

Myanmar Information Management Unit

Probable Flood Inundated Area in Mon and Kayin State

(as of 29 July 2021)



Satellite detected water extent as of 29 July 2021 in Mon and Kayin State

This map illustrates satellite-detected surface waters due to the current monsoon rains over Mon and Kayin State of Myanmar as observed from a Sentinel-1 image as of 29 July 2021. Within the analyzed area of about 43,137 km2, a total of about 1,568 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 251,858 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 MIMU.

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.

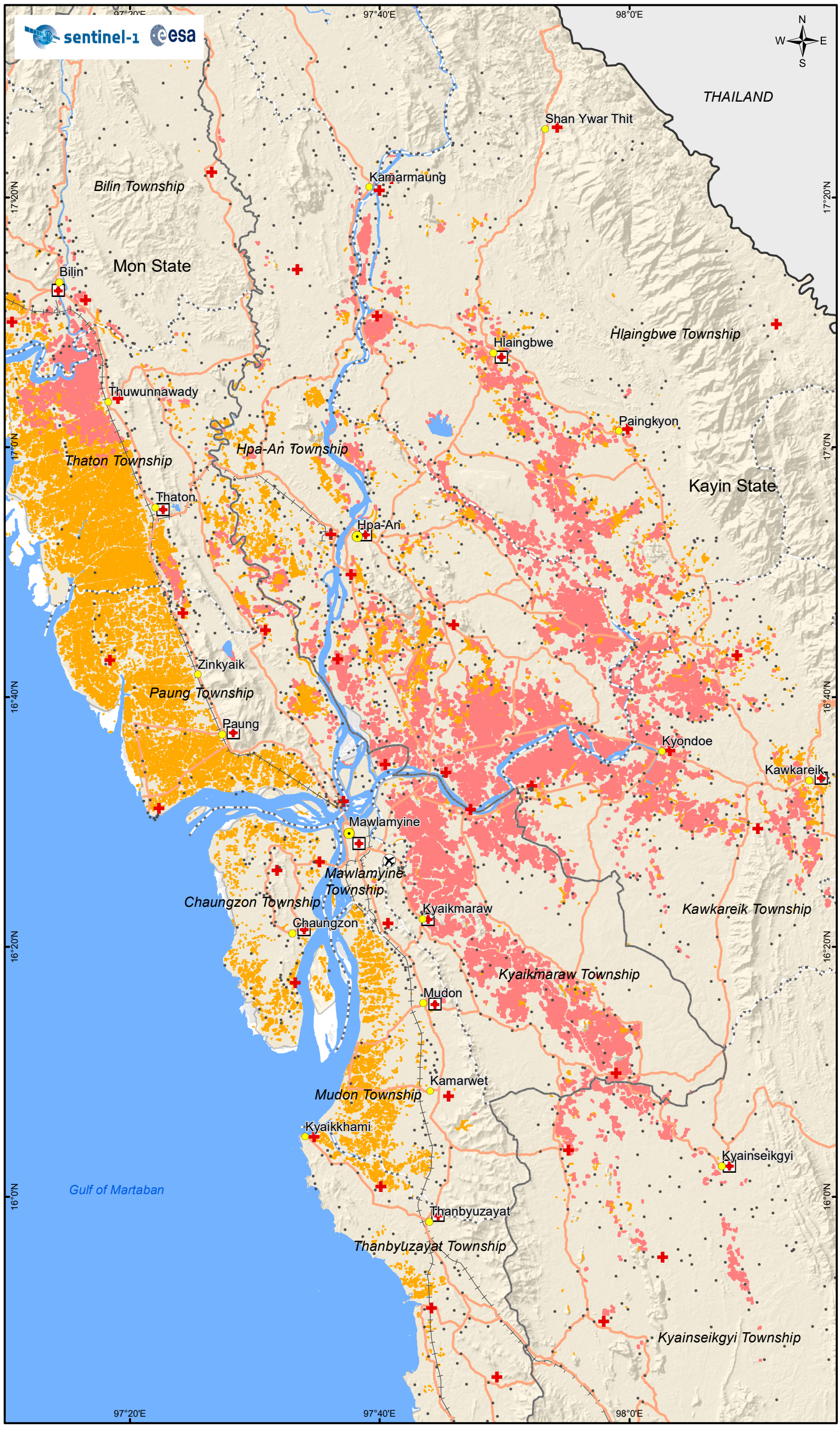
Legend

- State/Region Capital
- Main Town
- Other Town
- Village
- Township Hospital
- Station Hospital
- Airport
- Road
- Railroad
- Township Boundary
- State/Region Boundary
- International Boundary
- Satellite detected water (29 July 2021)
- Satellite detected water (23 June 2021)
- River/ Lake/ Dam

State	Township	Flood Extent (km2)	Total Population in Area of Interest	Population Potentially Exposed
Mon	Bilin	43	171,785	10,646
	Kyaikmaraw	307	218,021	59,225
	Mawlamyine	10	395,715	4,440
	Paung	56	261,444	14,086
	Thaton	132	291,309	22,278
Kayin	Hlaingbwe	221	186,012	21,387
	Hpa-An	422	509,936	69,552
	Kawkareik	269	264,027	44,434
	Kyainseikgyi	105	95,723	5,809
Total		**1,568**	**2,393,972**	**251,858**

This product uses Worldpop methodology to estimate population in the affected areas. WorldPop estimates are based on the relationship between land cover and population data and also include geospatial data that may correlate with human population presence (e.g. roads networks, large water bodies, settlements, etc). For more detail see http://www.worldpop.org.uk/

The flood extent shows the spread of water visible on satellite imagery at the time the image was taken.



Map ID: MIMU1515v01
Production Date: 1 August 2021
Paper Size: A3
Projection/Datum: Geographic/WGS84

0 5 10 20 Km
0 5 10 Miles

Satellite Data : Sentinel-1
Imagery Dates :29 July 2021/ 23 June 2021
Copyright: Contains modified Copernicus Sentinel data [2021]
Source: ESA

Base Layer: MIMU, OSM, MERIT DEM
Health facility:http://www.doms.gov.mm
Population data: WorldPop [2020]
Reference Water : Sentinel Image(23 June 2021)
Shading: SRTM90M

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