

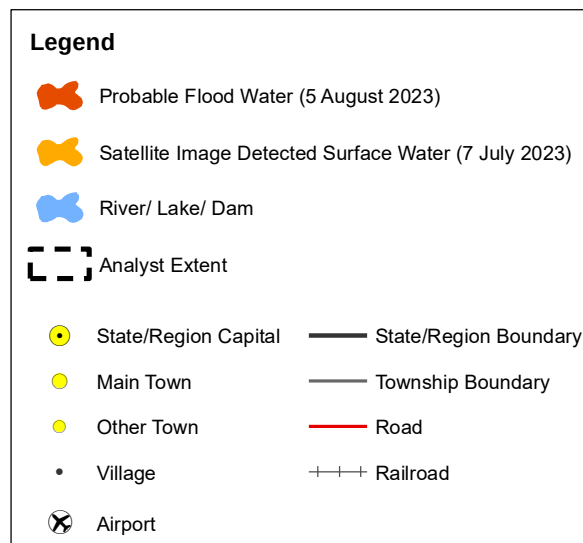
Probable Flood Inundated Area in Kayin and Mon State
as of 5 August 2023 (5:47 AM Local Time)



Satellite detected water extent as of 5 August 2023 in Kayin and Mon State

This map illustrates satellite-detected surface waters due to the current monsoon rains over Kayin and Mon State of Myanmar as observed from a Sentinel-1 image as of 5 August 2023. Within the analyzed area of about 11,238 km², a total of about 1,557 km² of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 280,772 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.

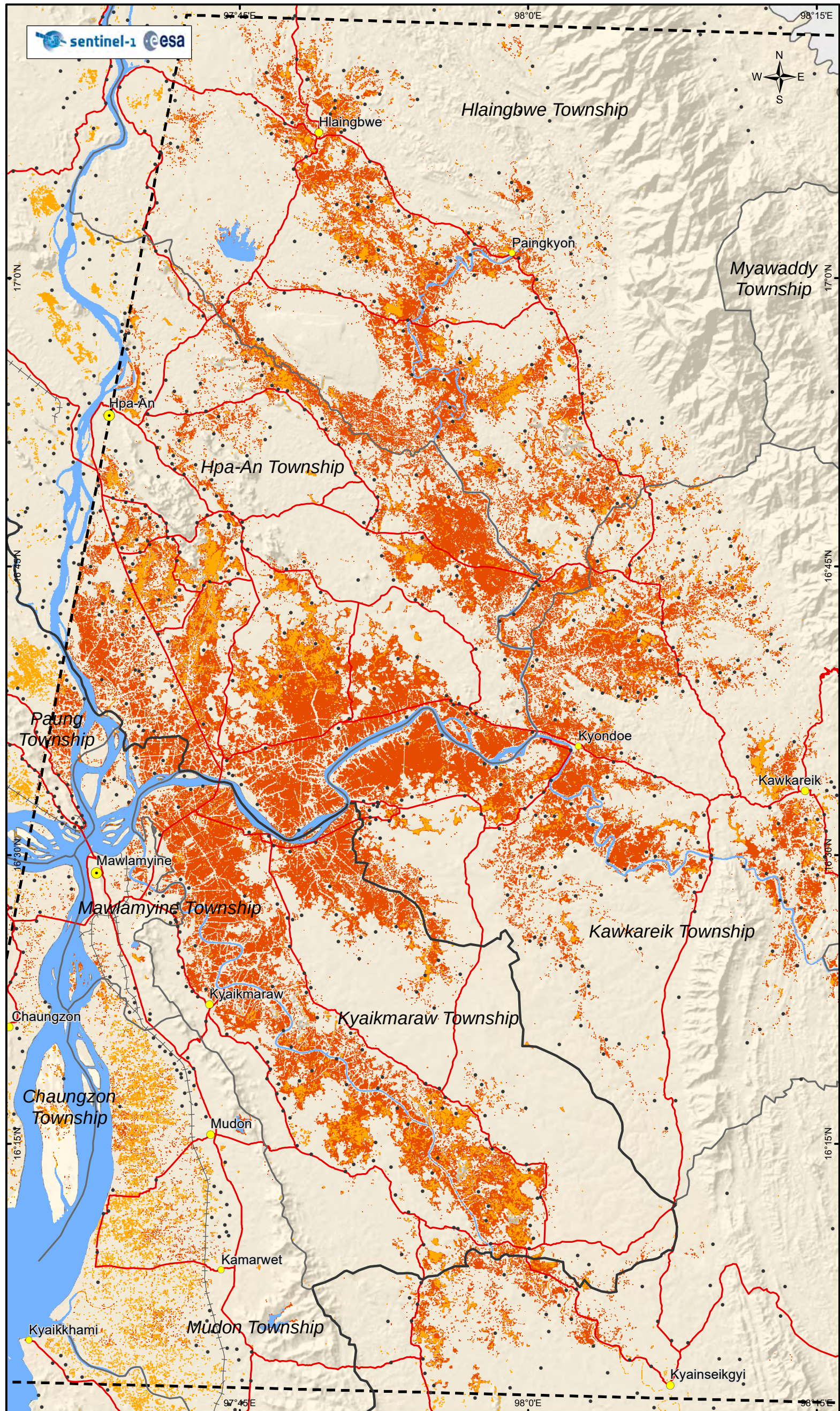
Important Note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering.



State	Township	Water Extent (Km2)	Population Potential Exposed
Mon	Kyaikmaraw	325	53,455
	Mawlamyine	20	16,908
	Mudon	32	6,607
	Paung	13	3,456
Kayin	Hlaingbwe	301	44,314
	Hpa-An	458	84,702
	Kawkareik	354	64,352
	Kyainseikgyi	53	6,978
Grand Total		1,557	280,772

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/>

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



Satellite Data : Sentinel-1
Imagery Date : 5 August 2023
Copyright: Contains modified Copernicus
Sentinel data [2023]
Source: ESA

Base Layer: MIMU, OSM
Population data: WorldPop [2022]
Reference Water : Sentinel Image (7 July 2023)
Shading: SRTM90M

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The boundaries and names shown and the designations are in line with the general cartographic practice to reflect the names of such places as designated by the host governments.

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