Myanmar Information Management Unit

Probable Flood Inundated Area in Bago and Yangon Region

as of 9 October 2023 (5:30 AM Local Time)

Satellite detected water extent as of 9 October 2023 in Bago and Yangon Region

This map illustrates satellite-detected surface waters due to the current monsoon rains over part of Bago and Yangon region of Myanmar as observed from a Sentinel-1 image as of 9 October 2023. Within the analyzed area of about 7,988 km2, a total of about 805 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 125,668 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.

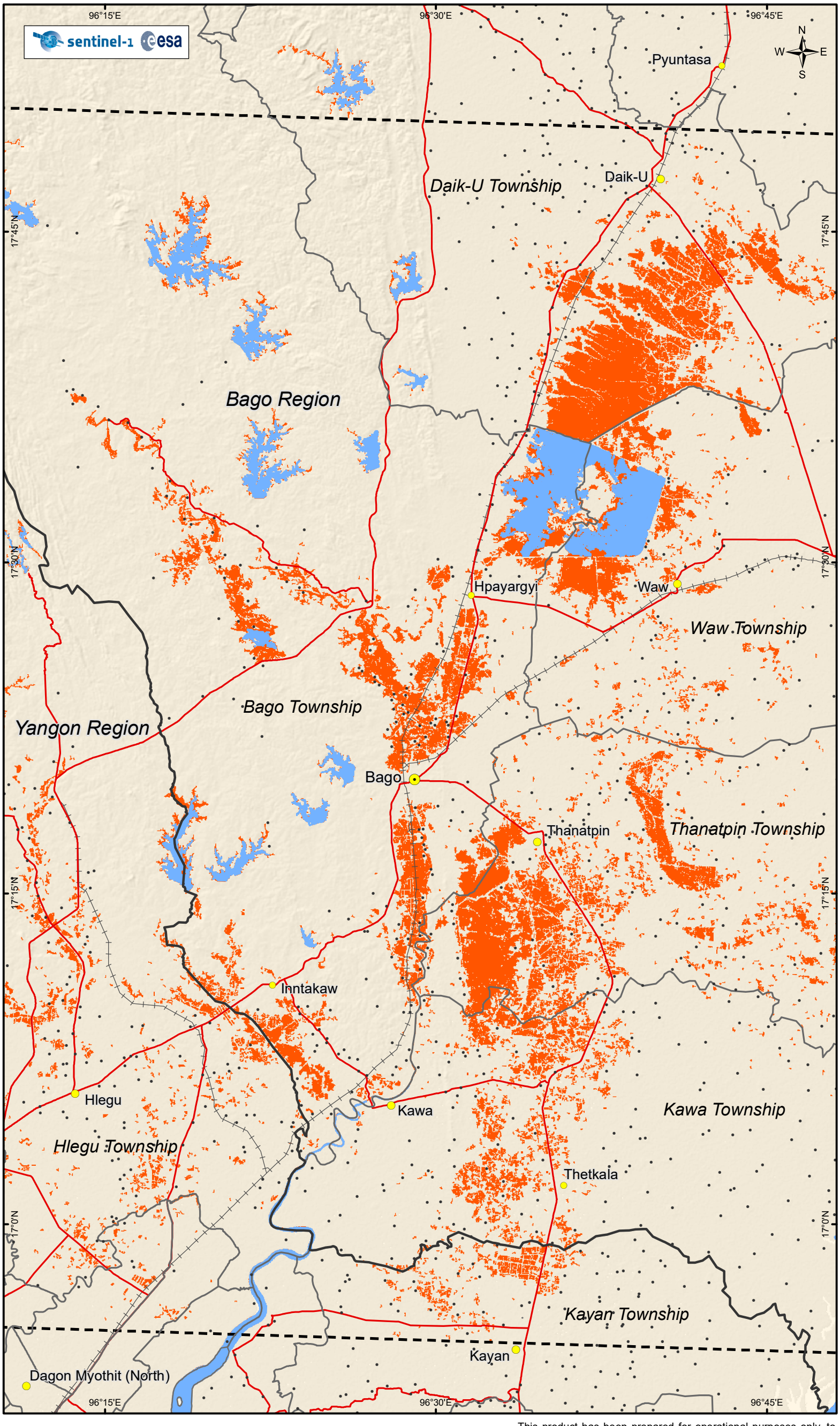
Legend

- Probable Flood Water (9 October 2023)
- River/ Lake/ Dam
- Analyst Extent
- State/Region Capital
- Main Town
- Other Town
- Village
- Airport
- State/Region Boundary
- Township Boundary
- Road
- Railroad

Region	Township	Water Extent (Km2)	Population potential exposed
Bago	Bago	208	46,197
	Daik-U	144	19,835
	Kawa	99	12,301
	Thanatpin	171	21,281
	Waw	115	7,781
Yangon	Hlegu	53	15,707
	Kayan	15	2,567
Grand Total		805	125,668

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.



Map ID: MIMU511v01
Production Date: 9 October 2023
Paper Size: A3
Projection/Datum: Geographic/WGS84

0 2 4 8 12 Km
0 2 4 8 Miles

Satellite Data : Sentinel-1
Imagery Date : 9 October 2023
Copyright: Contains modified Copernicus Sentinel data [2023]
Source: ESA

Base Layer: MIMU, OSM
Population data: WorldPop [2022]
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.