

Probable Flood Inundated Area in Bago and Ayeyarwady Region

as of 11 August 2024 (6:15 PM Local Time)



Satellite detected water extent as of 11 August 2024, Danubyu, Hinthada, Ingapu, Kangyidaunt, Kyaunggon, Kyonpyaw, Lemyethna, Myanaung, Nyaungdon, Pantanaw, Thabaung, Yegyi and Zalun township in Ayeyarwady Region, Gyobingauk, Letpadan, Minhla, Monyo, Okpho, Padaung and Thayarwady township in Bago Region, Htantabin and Taikkyi Township in Yangon Region.

This map illustrates satellite-detected surface waters due to the current monsoon rains over Ayeyarwady, Bago and Yangon Region of Myanmar as observed from a Sentinel-1 image as of 11 August 2024. Within the analyzed area of about 28,114 km2, a total of about 3,651 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 704,924 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 (11 August 2024)

 River/ Lake/ Dam

 State/Region Capital

 Main Town

 Other Town

 Village

 State/Region Boundary

 Township Boundary

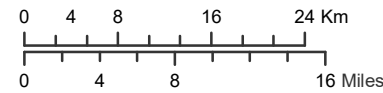
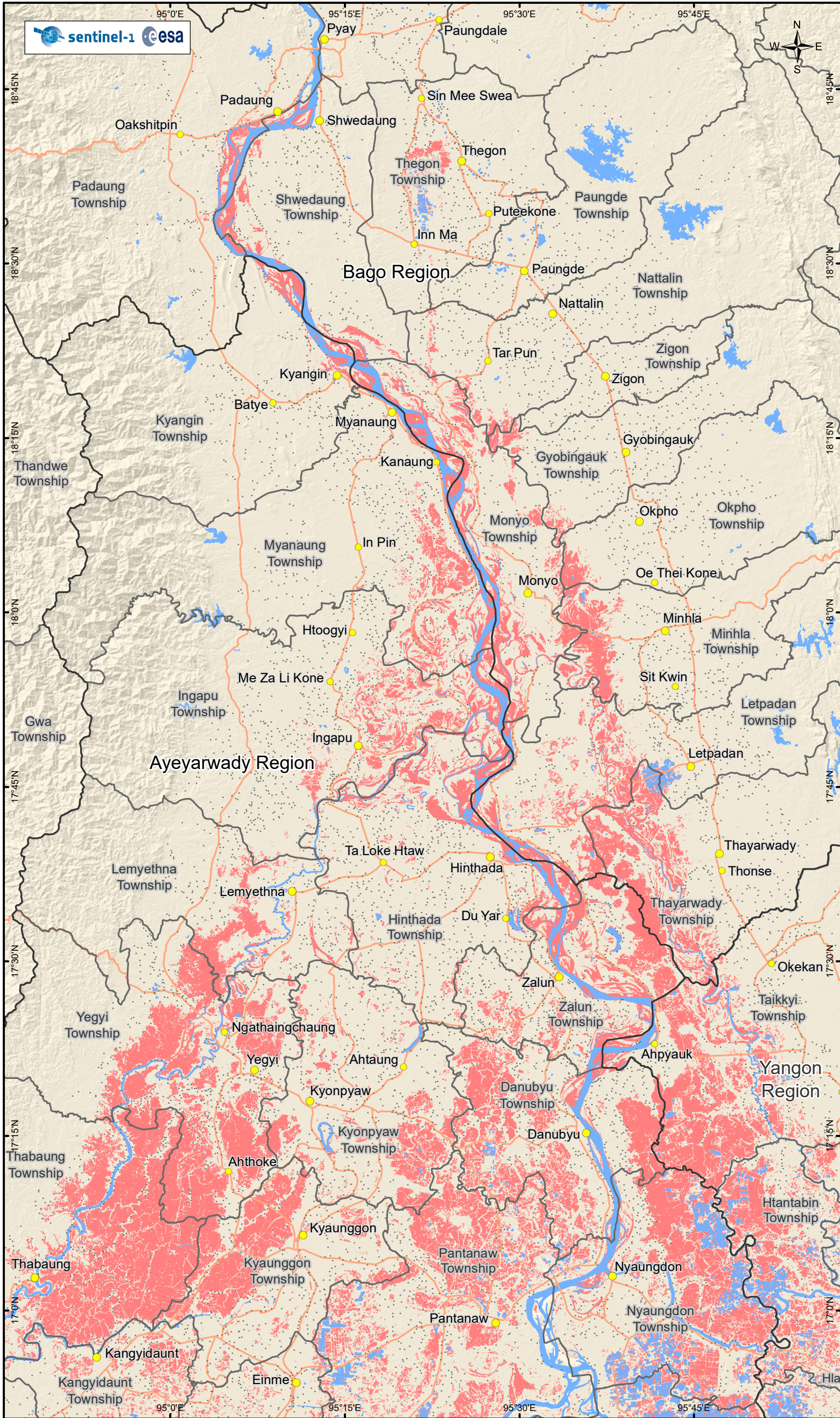
 Road

State/Region	Township	Water Extent (km2)	Population potentially Exposed
Ayeyarwady	Danubyu	249.6	49,218
	Hinthada	109.2	29,131
	Ingapu	125.8	25,345
	Kangyidaunt	69.5	19,871
	Kyaunggon	189.3	48,605
	Kyonpyaw	121.5	28,570
	Lemyethna	73.3	14,593
	Myanaung	102.7	15,352
	Nyaungdon	286.1	53,216
	Pantanaw	340.5	77,870
	Thabaung	470.0	81,488
Bago (West)	Yegyi	395.1	40,666
	Zalun	172.4	43,724
	Gyobingauk	16.6	1,985
	Letpadan	103.2	19,397
	Minhla	69.4	8,141
	Monyo	140.0	34,113
	Okpho	16.1	1,303
Yangon	Padaung	23.5	5,161
	Thayarwady	149.8	27,377
	Htantabin	167.7	36,975
Grand Total	Taikkyi	260.2	42,823
		3,651	704,924

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

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

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Paper Size: A3
Projection/Datum: Geographic/WGS84



Satellite Data : Sentinel-1
Imagery Date : 11 August 2024
Copyright: Contains modified Copernicus
Sentinel data [2024]
Source: ESA
Base Layer: MIMU, OSM
Population data: WorldPop [2020]
Reference Water : Landsat Image (March 2024)
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.