

Probable Flood Inundated Area in Bago and Ayeyarwady Region

as of 23 August 2024 (6:15 PM Local Time)



Satellite detected water extent as of 23 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, 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 23 August 2024. Within the analyzed area of about 28,114 km2, a total of about 3,218 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 630,861 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

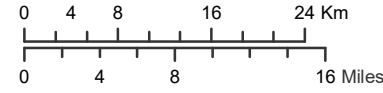
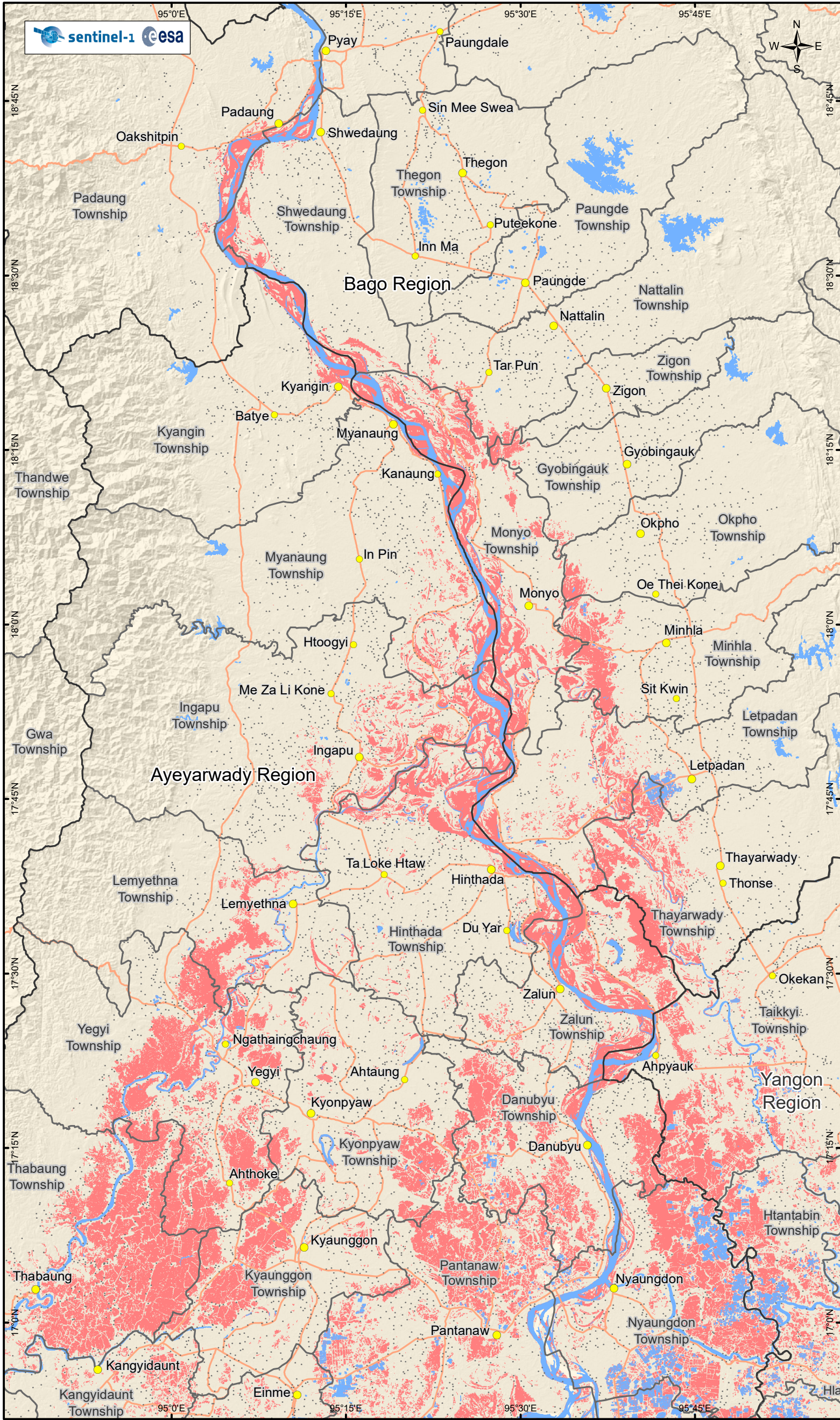
- Probable Flood Water (23 August 2024)
- River/ Lake/ Dam
- State/Region Capital
- Main Town
- Other Town
- Village
- State/Region Boundary
- Township Boundary
- Road

State/Region	Township	Water Extent (km2)	Population potentially Exposed
Ayeyarwady	Danubyu	217	42,535
	Hinthada	135	37,087
	Ingapu	130	26,688
	Kangyidaunt	43	13,051
	Kyaunggon	155	38,669
	Kyonpyaw	102	22,421
	Lemyethna	78	15,263
	Myanaung	66	10,382
	Nyaungdon	275	51,891
	Pantanaw	299	68,864
	Thabaung	419	71,968
Bago (West)	Yegyi	337	33,331
	Zalun	164	41,905
	Gyobingauk	15	1,839
	Letpadan	93	18,835
	Minhla	68	8,076
	Monyo	182	47,386
Yangon	Okpho	13	1,074
	Thayarwady	118	21,863
	Htantabin	125	28,879
	Taikkyi	180	28,853
Grand Total		3,218	630,861

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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Projection/Datum: Geographic/WGS84



Satellite Data : Sentinel-1
Imagery Date : 23 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.