

Probable Flood Inundated Area in Bago, Ayeyarwady and Yangon Region

as of 30 July 2024 (6:15 PM Local Time)



Satellite detected water extent as of 30 July 2024, Danubyu, Hinthada, Ingapu, Kyangin, Kyaunggon, Lemyethna, Myanaung, Nyaungdon, Pantanaw, Thabaung, Yegyi and Zalun township in Ayeyarwady Region, Gyobingauk, Letpadan, Minhla, Monyo, Nattalin, Okpho, Padaung, Paungde, Shwedaung, Thegon and Zigon township in Bago Region, Hmawbi, Htantabin and Taikkyi township in Yangon Region.

This map illustrates satellite-detected surface waters due to the current monsoon rains over Ayeyarwady and Bago Region of Myanmar as observed from a Sentinel-1 image as of 30 July 2024. Within the analyzed area of about 30,540 km2, a total of about 28,065 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 1,294,348 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 (30 July 2024)

 River/ Lake/ Dam

 State/Region Capital

 Main Town

 Other Town

 Village

 State/Region Boundary

 Township Boundary

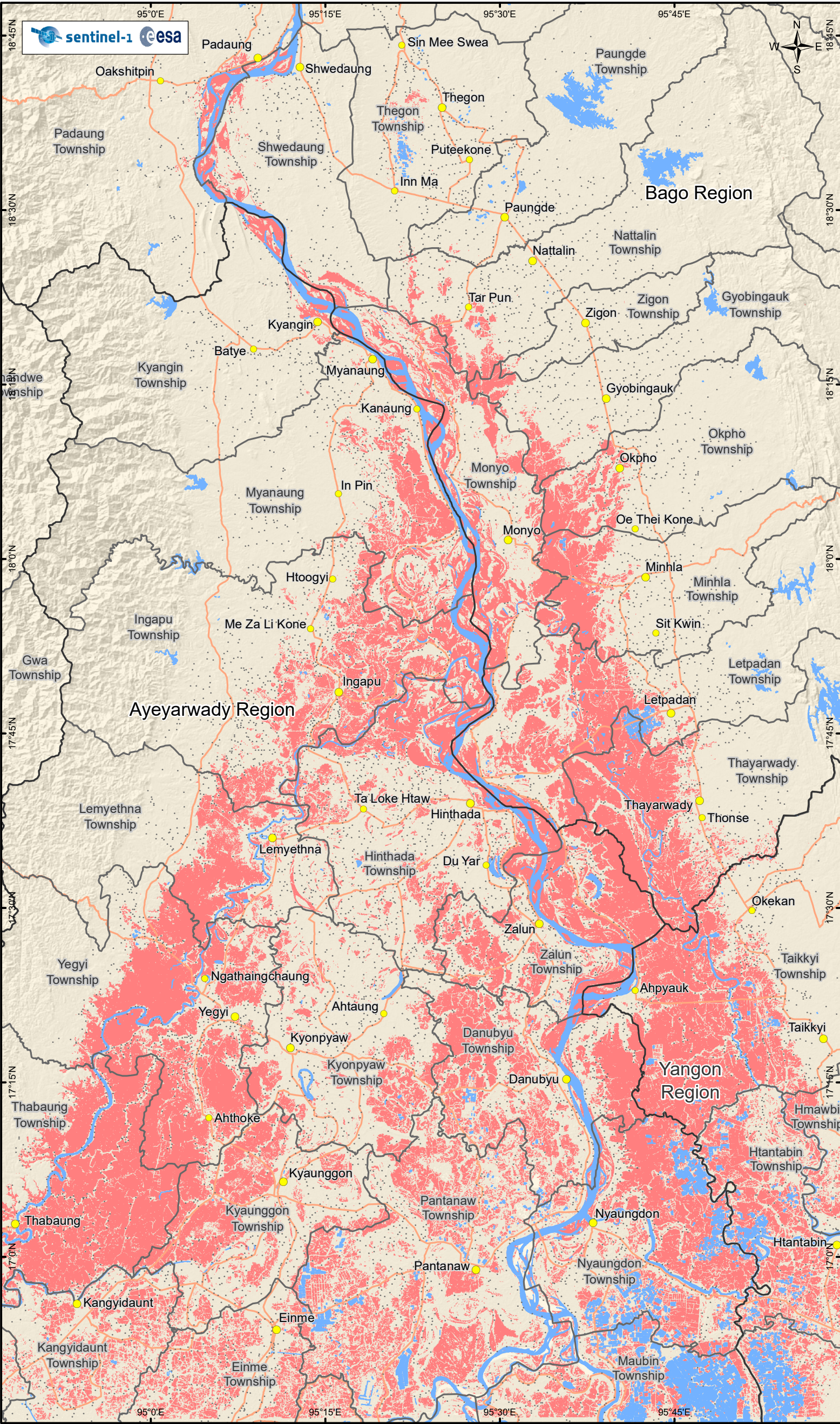
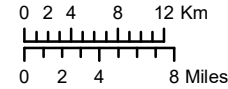
 Road

State/Region	Township	Water Extent (km2)	Population potentially Exposed
Ayeyarwady	Danubyu	1,454	70,557
	Einme	138	38,303
	Hinthada	1,325	72,566
	Ingapu	1,439	76,311
	Kangyidaunt	976	38,149
	Kyangin	1,190	11,826
	Kyaunggon	1,076	65,236
	Kyonpyaw	317	39,200
	Lemyethna	299	37,678
	Myanaung	1,399	33,399
	Nyaungdon	1,405	78,358
	Pantanaw	461	93,090
Bago (West)	Thabaung	875	97,016
	Yegyi	1,229	60,057
	Zalun	2,003	85,855
	Gyobingauk	343	7,342
	Letpadan	2,197	51,277
	Minhla	271	16,852
	Monyo	1,563	53,279
	Nattalin	103	7,760
	Okpho	281	19,276
	Padaung	1,192	6,772
Yangon	Shwedaung	1,211	12,970
	Thayarwady	682	64,773
	Hmawbi	681	15,976
	Htantabin	2,052	53,960
	Taikkyi	1,903	86,512
Grand Total		28,065	1,294,348

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: MIMU729v01
Production Date: 1 August 2024
Paper Size: A3
Projection/Datum: Geographic/WGS84



Satellite Data : Sentinel-1
Imagery Date : 30 July 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.