

Probable Flood Area in Nyaungshwe, Taunggyi, Hopong, Hsihseng (Shan State),
Loikaw and Demoso Township (Kayah State)
as of 21 September 2024 (6:20 AM Local Time)



Satellite detected water extent as of 21 September 2024, Nyaungshwe, Taunggyi, Hopong, Hsihseng (Shan State),
Loikaw and Demoso Township (Kayah State)

This map illustrates satellite-detected surface waters due to the current monsoon rains over Shan and Kayah State of Myanmar as observed from a Sentinel-1 image as of 21 September 2024. Within the analyzed area of about 18,582 km2, a total of about 273 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 64,617 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.

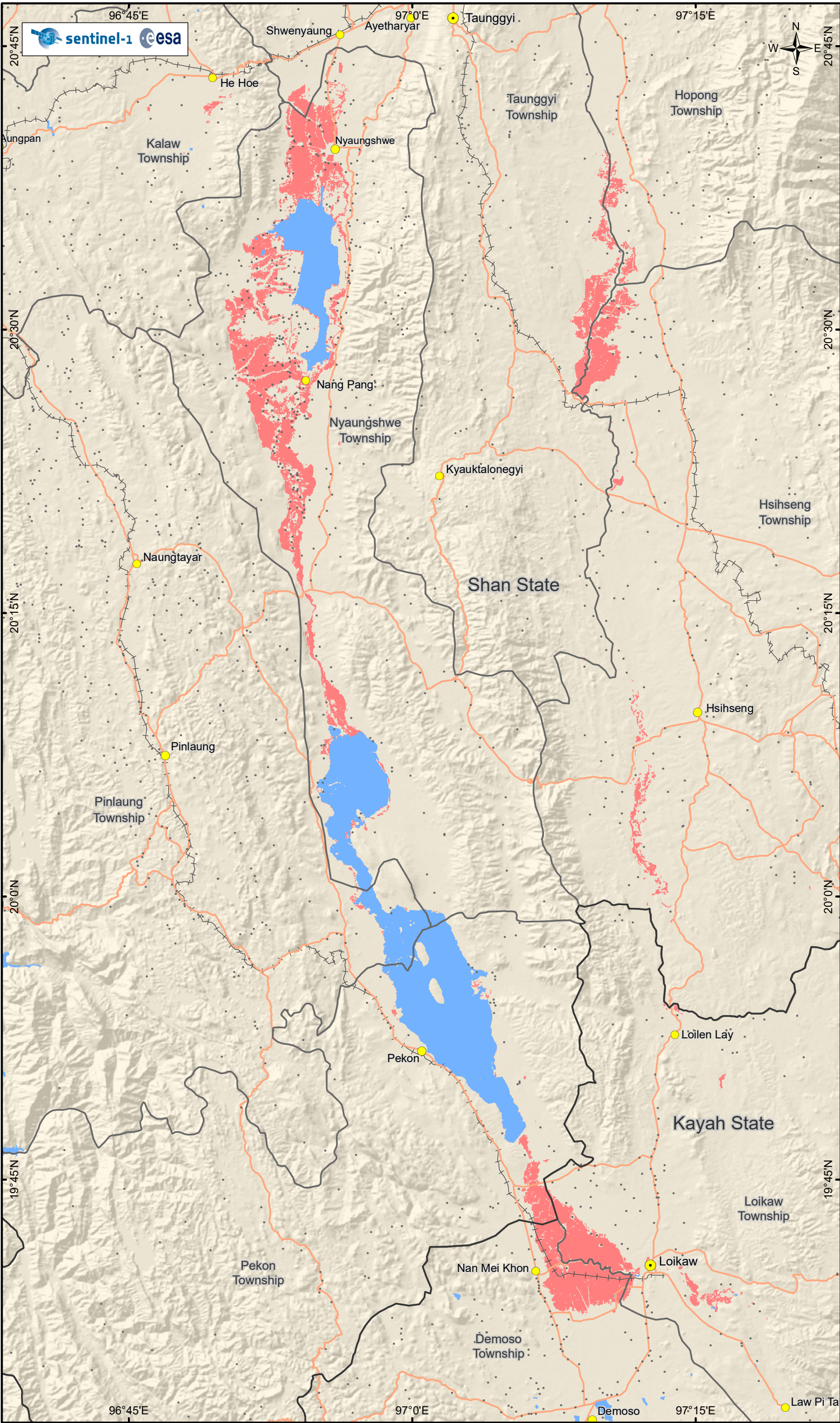
Legend

- Probable Flood Water (21 September 2024)
- River/ Lake/ Dam
- State/Region Capital
- Main Town
- Other Town
- Village
- State/Region Boundary
- Township Boundary
- Road
- Railroad

State/Region	Township	Water Extent (km2)	Population Potential Exposed
Shan	Hopong	6	1,454
	Hsihseng	29	4,834
	Langkho	4	412
	Mongnai	6	438
	Nyaungshwe	134	39,499
	Pekon	13	4,032
	Taunggyi	20	5,083
Kayah	Demoso	35	4,747
	Loikaw	28	4,118
Grand Total		273	64,617

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 : 21 September 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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