

LAO PDR

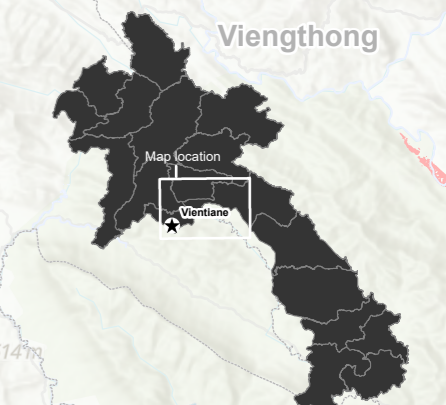
VIENTIANE CAPITAL, VIENTIANE AND BOLIKHAMXAI PROVINCES

IMAGERY ANALYSIS: 27/07/2025 PUBLISHED 29/07/2025 V1.

<p>ANALYSED AREA ~19,000 km²</p>	<p>FLOOD EXTENT ~130 km²</p>	<p>POPULATION IN ANALYSED AREA 1.5 m</p>	<p>POPULATION POTENTIALLY EXPOSED 12,000 Home</p>
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TROPICAL CYCLONE
TC20250722LAO



Satellite detected water extents in Vientiane Capital, Vientiane and Bolikhamxai Provinces, Lao PDR as of 27 July 2025

This map illustrates the satellite detected water extent in Vientiane Capital, Vientiane and Bolikhamxai Provinces, Lao PDR as observed from Sentinel-1 satellite images acquired on 27 July 2025 at 06:00 local time (23:00 UTC). Within the analyzed area of approximately 19,000 km², about 130 km² of land appears to be affected by floodwaters. Based on WorldPop population data and the flood extent, approximately 12,000 people are potentially exposed or living close to the flooded areas.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

Important note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to the backscattering properties of the radar signal

Province	District	Analysed extent (km ²)	Population in analysed area	Flood extent (km ²)	Population potentially exposed to flood
Bolikhamxai	Bolikhanh	2,561	110,157	0.31	31
	Pakkading	1,960	64,509	27.23	2,038
	Pakxane	602	47,259	23.55	1,520
	Thaphabath	1,522	24,486	25.56	763
Vientiane	Vientiane	2,876	25,351	15.97	600
	Phonhong	585	50,724	1.90	125
	Thoulakhom	783	44,836	4.89	610
	Vangvieng	1,434	49,421	0.79	104
	Chanthabuly	26	75,265	0.12	274
Vientiane Capital	Hadxaifong	224	98,849	2.82	232
	Mayparkngum	649	63,101	9.79	614
	Naxaithong	900	83,062	3.61	551
	Sikhottabong	146	132,720	0.53	2,442
	Sisattanak	26	80,346	0.26	379
	Xaysetha	134	160,914	0.89	448
Xiengkhouang	Xaythany	833	267,465	5.40	784
	Kham	2,099	57,843	0.47	158
	Pek	1,257	89,043	4.65	183
Total		18,617	1,525,352	128.73	11,857

Legend

- ★ Capital city
- City/Town
- River
- Road
- International boundary
- Province boundary
- District boundary
- Reference water
- Analysis extent
- Satellite detected water extent [27 July 2025]

Spatial Reference
Name: WGS 1984 UTM Zone 48N
PCS: WGS 1984 UTM Zone 48N
GCS: GCS WGS 1984
Datum: WGS 1984

Satellite Image: Sentinel-1
Acquisition date : 26 July 2025 at 23:00 UTC
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel Data [2025]
Source: ESA

Boundary data: National Geographic Department (NGD)
Waterways: OpenStreetMap
Population data: Worldpop unconstrained [2020] UN adjusted, 100 m spatial resolution
Background: ESRI Basemap (World Topographic Map)

Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)



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Map scale for A3: 1:480,000
0 3.25 6.5 13 km