



Mekong River Commission

**Weekly Wet Season Situation Report
in the Lower Mekong River Basin
21 – 27 October 2025**

Prepared by
The Regional Flood and Drought Management Centre
28 October 2025

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Key Messages

Key messages for this weekly report are presented below.

Rainfall monitoring and forecast

- From 21 - 27 October, isolated thunderstorm and moderate to heavy rain occurred in the northern and central part of Lao PDR, Cambodia, the Mekong delta, and the 3S basin.
- Next week, from 28 October – 03 November, moderate to heavy rain are expected to occur in some areas in the central and southern part of Lao PDR, Cambodia, the northeastern part of Thailand, the 3S basin, and the Mekong delta ; the remaining areas are expected to occur no rain to light rain.

Water level monitoring and forecast

- At 22 key monitoring stations along the Mekong mainstream from 21 – 27 October 2025, water levels at all stations along the Mekong mainstream have been in normal conditions except for Tan Chau and Chau Doc, which have reach alarm levels, and the flow threshold (PMFM 6C) are under normal conditions.
- In the period of 28 October – 01 November 2025, Water levels at upper part of the Mekong mainstream at Chiang Saen and Luang Prabang stations are expected to slightly rise, while from Chiang Khan downstream, they are expected to drop in the next 5 days. At Tan Chau and Chau Doc stations, the water levels are predicted to be also fluctuated due tidal fluctuations.

Drought condition and forecast

- During 21 - 27 October, the LMB were facing normal to wet conditions.
- In October and November 2025, the total amount of rainfall in most areas of the LMB will be higher than the LTA by around 5 - 25 mm, except for some areas in the Mekong Delta. In October, the total amount of rainfall in most areas of the LMB will be lower than the LTA by around 5 - 15 mm, except for some areas in the southern Lao PDR, northern Cambodia, and the 3S Basin.
- The forecast indicates that no drought conditions are expected in over the LMB in October. In November, some areas in the northern part of Lao PDR and northeastern part of Thailand are likely to occur moderate drought using the Combined Drought Indicator (CDI).

1 Introduction

This Weekly Wet Season Situation Report presents a preliminary analysis of the weekly hydrological situation in the Lower Mekong River Basin (LMB) for **21 - 27 October 2025**. The trend and outlook for water levels are also presented.

This analysis is based on the daily hydro-meteorological data provided by the Mekong River Commission (MRC) Member Countries – Cambodia, Lao PDR, Thailand, and Viet Nam – and on satellite data. The water level indicated in this report refers to an above zero gauge of each station.

The report covers the following topics that are updated weekly:

- General weather patterns, including rainfall patterns over the LMB.
- Water levels in the LMB, including in the Tonle Sap Lake.
- Flash flood and drought situation in the LMB.
- Weather, water level and flash flood forecast, and
- Possible implications.

Mekong River water levels are updated daily and can be accessed from:

<http://ffw.mrcmekong.org/bulletin.php>.

Drought monitoring and forecasting information is available at:

<http://droughtforecast.mrcmekong.org>

Flash flood information is accessible at: <http://ffp.mrcmekong.org:8000/bulletin/>

2 General Weather Patterns

Next week, the high-pressure area may impact the LMB from 28 October – 03 November, isolated thunderstorm and light to moderate rainfall are expected to occur in some areas in the LMB.

Figure 1 presents mean sea level pressure over the region

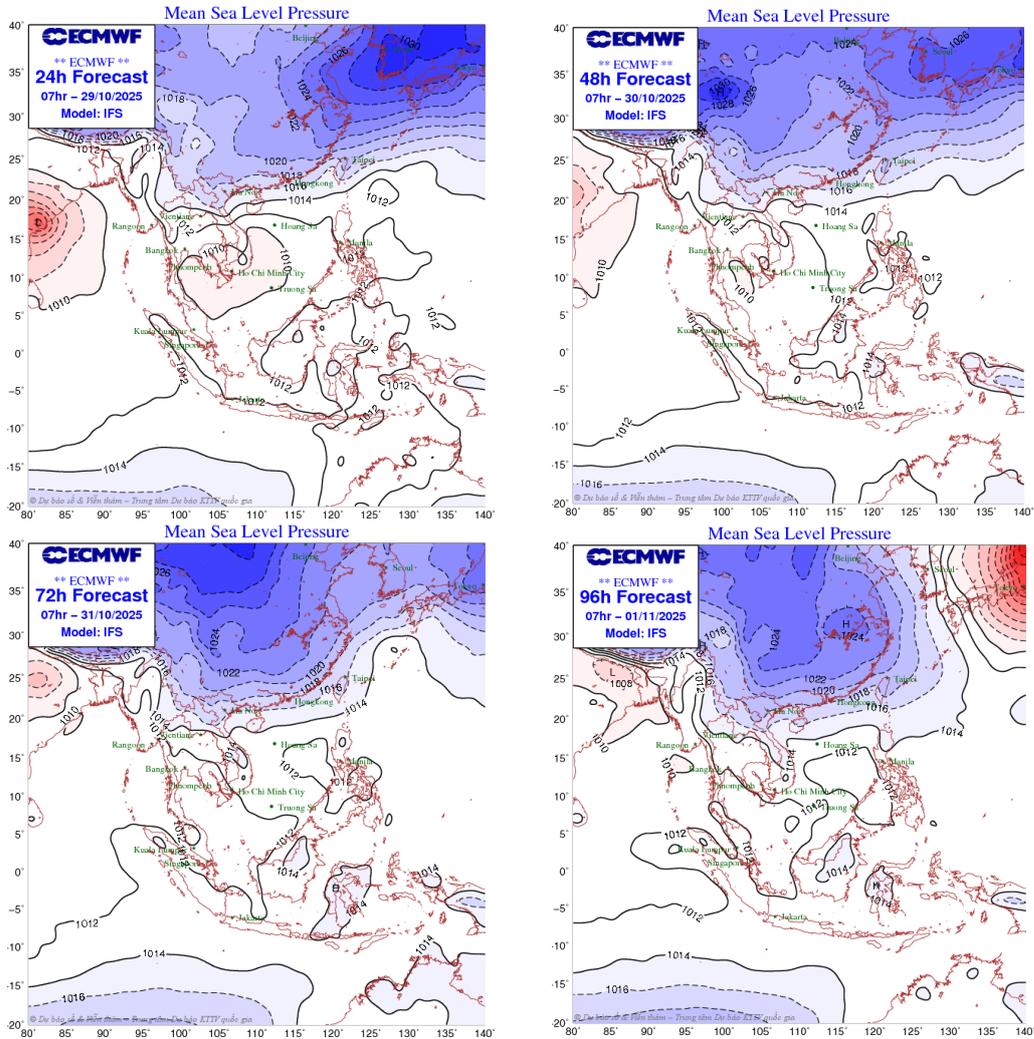


Figure 1: Weather conditions over the LMB

According to the ASEAN Specialised Meteorological Centre (ASMC, <http://asmc.asean.org/home/>), the sub seasonal weather outlook (27 October – 09 November 2025) indicates that the Lower Mekong Basin (LMB) are only expected to experience significant wetter conditions, particularly from lower to central parts. **Figure 2** shows the outlook of weather condition from 27 October to 01 November 2025 in Southeast Asia based on results from the NCEP model (National Centres for Environmental Prediction).

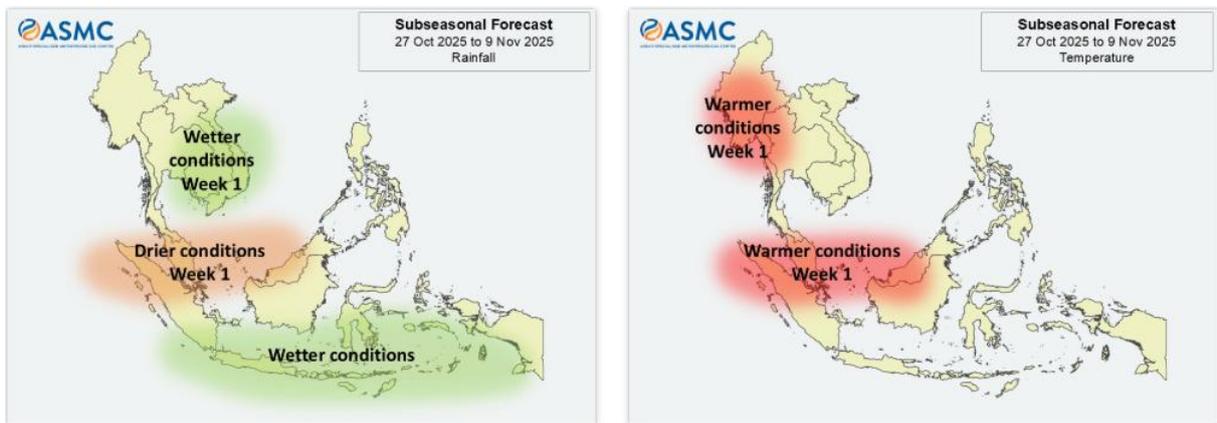


Figure 2: Outlook of wet and dry conditions over the Asian countries by ASMC.

Based on the tropical storm (https://www.jma.go.jp/bosai/weather_map/#lang=en), there is no any active tropical storm and tropical depression that potentially affect the LMB (Figure 3).

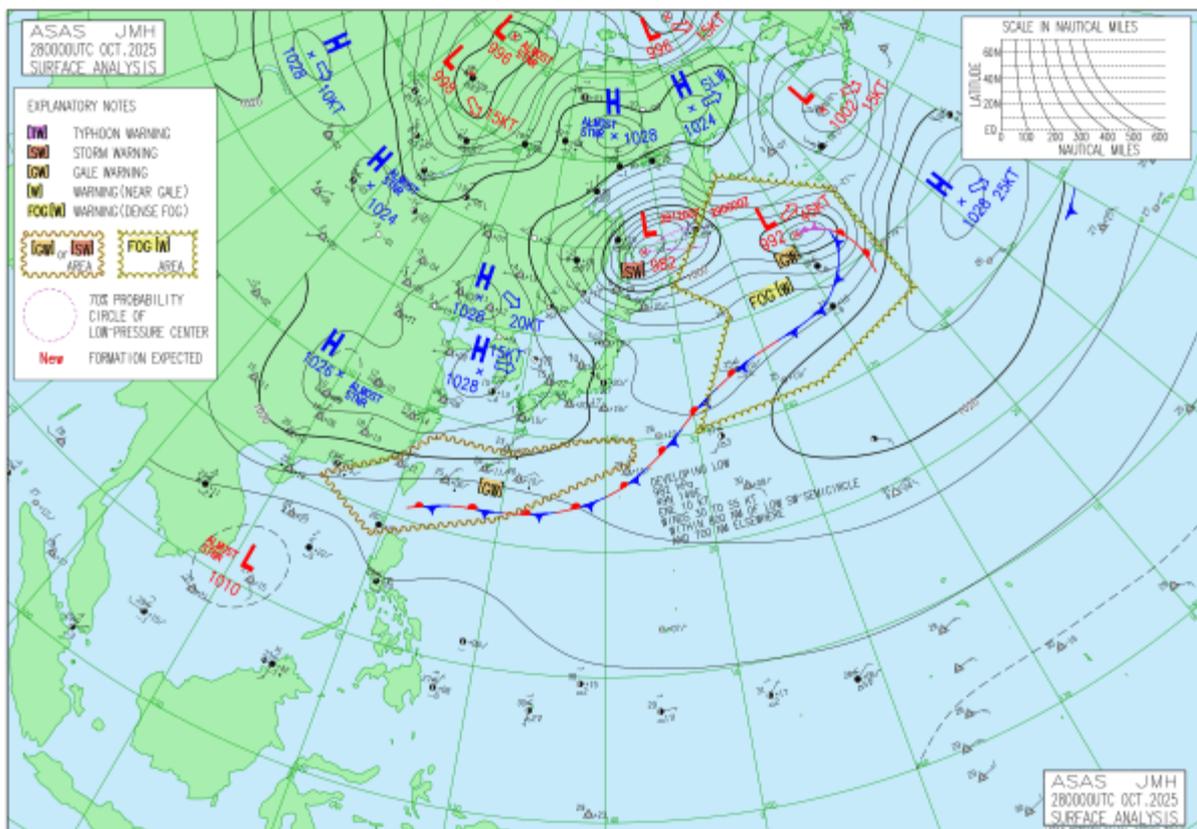


Figure 3: Tropical storm observed on 27 October 2025

3. Rainfall and Water Level Monitoring

3.1. Rainfall monitoring

The weekly accumulated rainfall based on the observed data provided by the MRC Member Countries – Cambodia, Lao PDR, Thailand, and Viet Nam – from 21 – 27 October 2025 (Figure 4). Heavy rain occurred in the LMB including the central & lower part of Lao PDR, the western and central part of Cambodia, the Mekong delta, and the 3S basin.

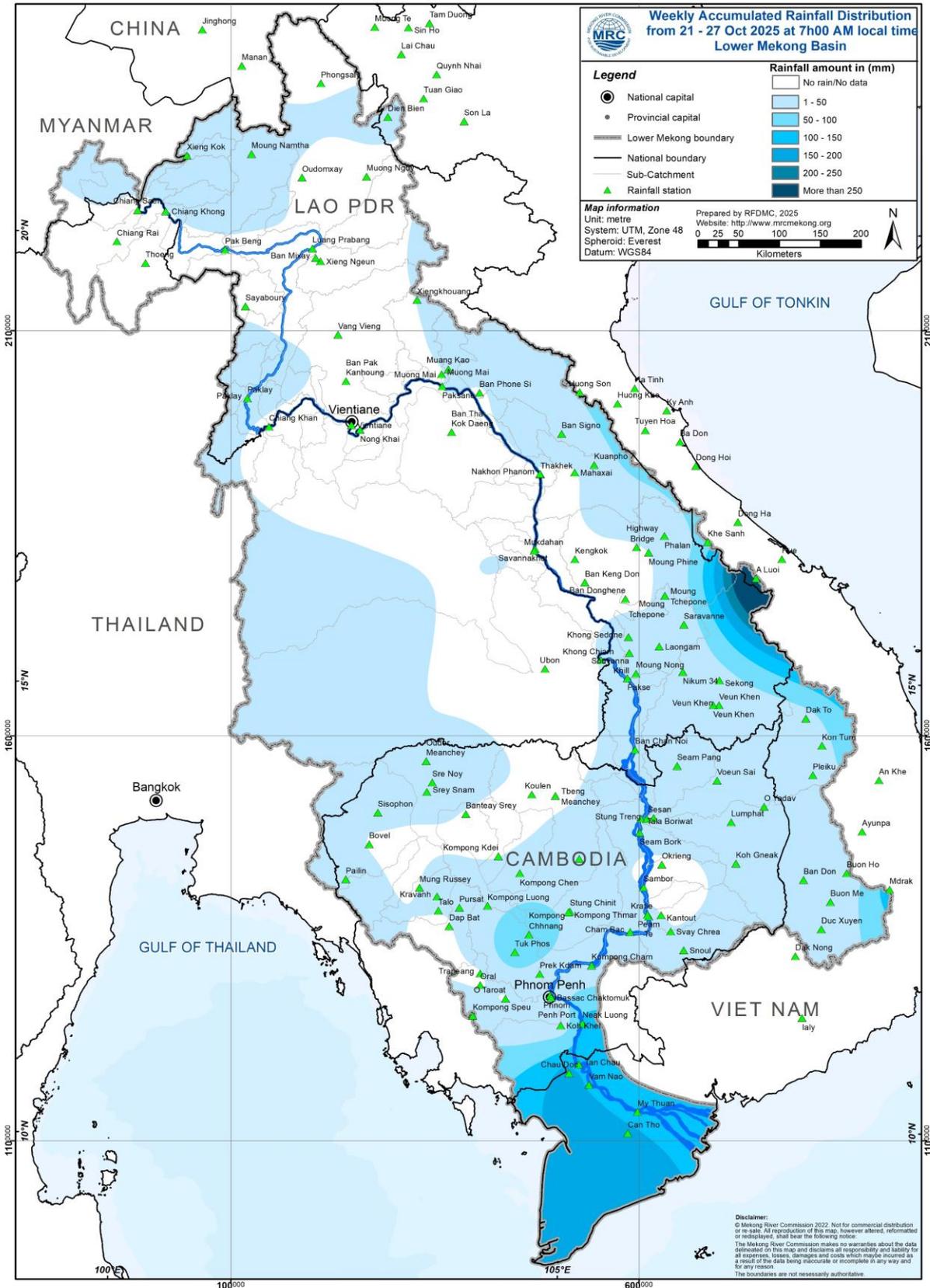


Figure 4: Weekly rainfall distribution over the LMB during 21 – 27 October 2025

3.2. Water level monitoring

The hydrological regimes of the Mekong mainstream are illustrated by recorded water levels and flows at key mainstream stations: at Chiang Saen to capture mainstream flows entering from the Upper Mekong Basin (UMB); at Vientiane to present flows generated by climate conditions in the upper part of the LMB; at Pakse to investigate flows influenced by inflows from the larger Mekong tributaries; at Kratie in Cambodia to capture overall flows of the Mekong Basin; and at Viet Nam's Tan Chau and Chau Doc to monitor flows to the Delta.

The key stations along the LMB and their respective model application for River Flood Forecasting during the wet season from June to October and River Monitoring during the dry season from November to May are presented in **Figure 5**. The hydrograph for each key station is available from the MRC's River Flood Forecasting: <http://ffw.mrcmekong.org/overview.php>.

During 14 – 20 October 2025, the observed water level (WL) at Jinghong hydrological station¹, was almost constant and ranges between 538.21 and 537.22 m, which are corresponding to the outflow between 3,220.00 m³/s to 2,340.00 m³/s (recorded on 7:00 am), respectively (**Figure 6**). The water level in Chiang Saen Station also indicated a slight fluctuation ranging from 4.85 m to 4.42 m. At the same period, the water level in Luang Prabang Station also decreased with an approximate value of -0.48 m from 12.00 m to 11.52 m as compared to the previous week. In addition, at Chiang Khan, the water level has decreased from 9.50 m to 8.74 m.

The water levels at Vientiane, Nongkhai, Paksane, Nakhon Phanom, Thakhek, Mukdahan, Savannakhet, Khong Chiam and Pakse stations have decreased from 7.38 m to 6.72 m, 6.75 m to 5.98 m, 7.79 m to 7.04 m, 6.55 m to 5.49 m, 7.77 m to 6.81 m, 6.55 m to 5.58 m, 5.02 m to 4.02 m, 8.84 m to 7.55 m, and 7.04 m to 5.82 m, respectively.

Water levels at Stung Treng, Kratie, Kompng Cham, Phnom Penh (Bassac), Phnom Penh Port, Koh Khel, Neak Luong and Prek Kdam stations also have decreased from 6.83 m to 6.03 m, 16.60 m to 14.61 m, 11.52 m to 9.78 m, 8.90 m to 7.92 m, 7.62 m to 6.91 m, 7.57 m to 7.00 m, 6.47 m to 5.86 m, and 8.38 m to 7.83 m, respectively.

Similar to the previous week, the water levels from 21 to 27 October 2025 at Viet Nam's Tan Chau and Chau Doc fluctuated between their LTA values due to daily tidal effects from the sea. At the Tan Chau station, the water levels varied between 3.69 m and 3.27 m, while at the Chau Doc station, they ranged between 3.40 m and 3.07 m.

¹ Near-real time data of hydro-meteorological monitoring at the Jinghong hydrological station is available at <https://portal.mrcmekong.org/monitoring/river-monitoring-telemetry>.

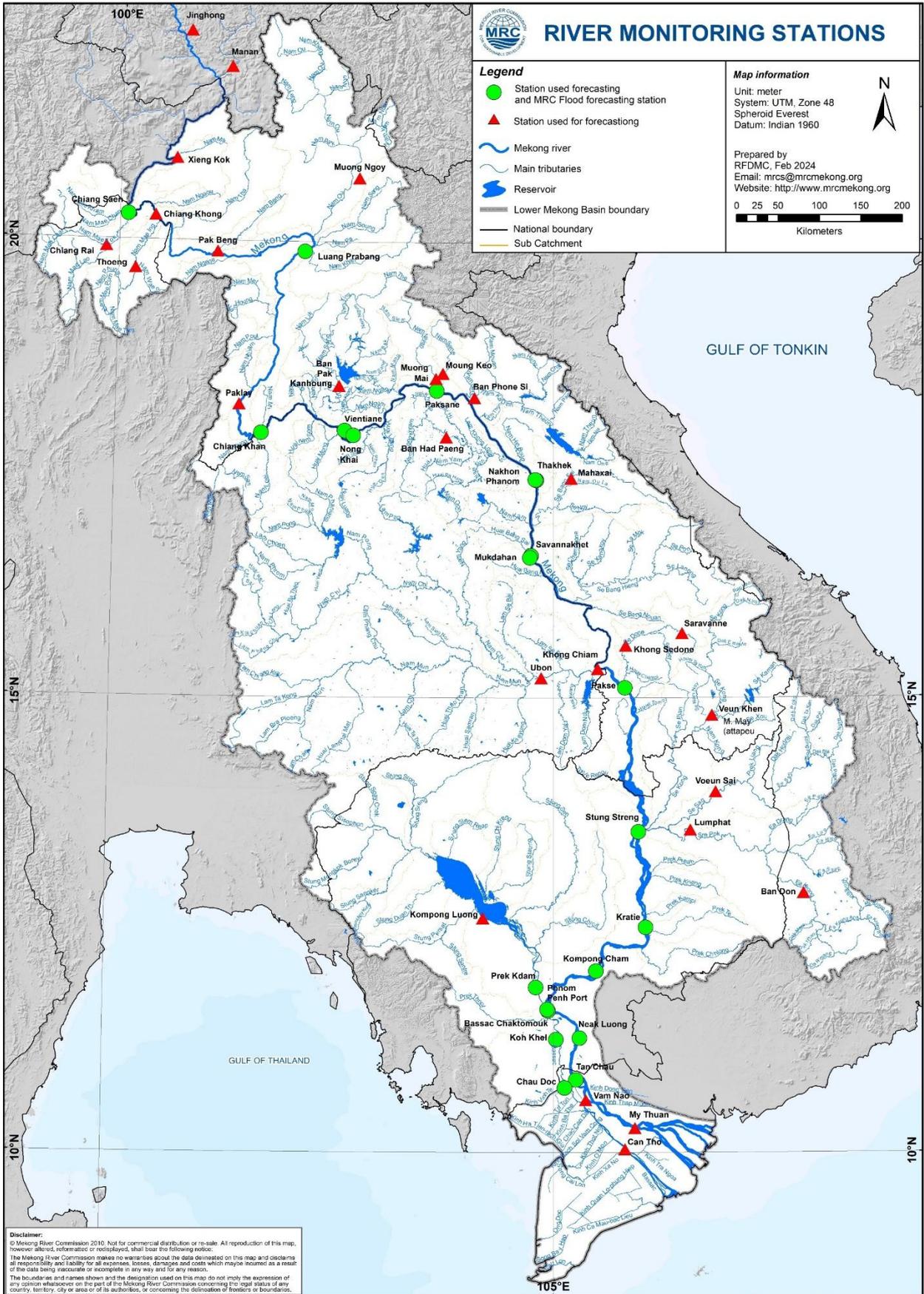


Figure 5: The key stations along LMB for river flood forecasting

The water levels in key monitoring stations on **27 October 2025** are in normal conditions, which have not reached alarm or flood levels except for Tan Chau and Chau Doc, which are at alarm level. Moreover, all stations with available PMFM thresholds are in normal conditions. The graphics of water level monitoring in all key stations are presented in **Annex A** and the weekly water levels and rainfall at each key station are summarised in **Annex B**.

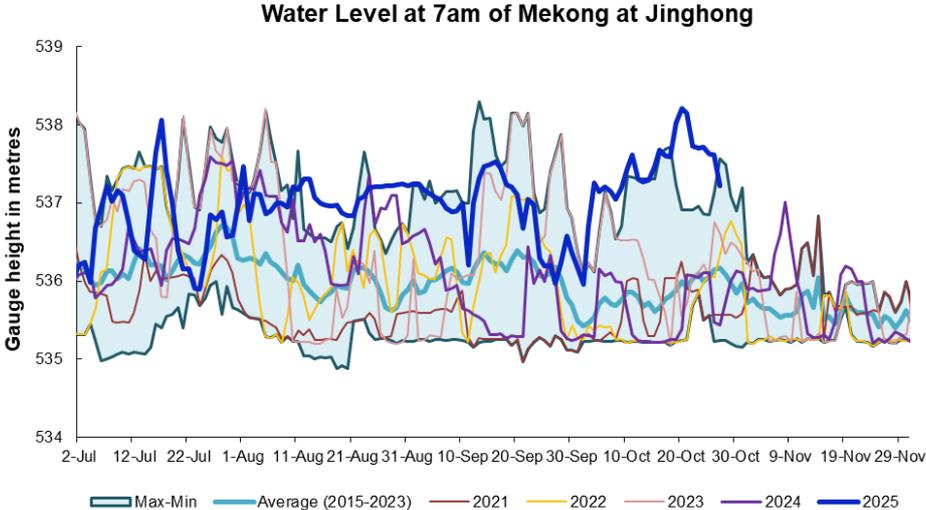


Figure 6. Water level at the Jinghong hydrological station up to 27 October 2025.

At the end of the wet season, when water levels along the Mekong River subside, the outflow of the Tonle Sap Lake (TSL) returns to the Mekong River and then to the Delta. This phenomenon normally takes place between September and October. Based on flow observation at Prek Kdam monitoring station, the inflow (reverse flow) of the Tonle Sap Lake took place since 29 May 2025.

The inflow flow is calculated based on a formula of rating-curves using by difference of water levels at Kompong Luong and Phnom Penh Port stations for slope and Prek Kdam as cross-section of the Lake. The formula of flow is as follows:

$$Flow = WL_{Prek\ Kdam}^{1.2} \times \sqrt{|WL_{Phnom\ Penh\ Port} - WL_{Kompong\ Luong}|}$$

Where, WL is water level in m (msl).

The current total accumulated reverse flow to the lake is **26.15 Km³** (**Figure 7**). The seasonal changes of the inflow/reverse flow and the outflow of the TSL at Prek Kdam in comparison with the flows of 2020, 2021 and 2022, 2023 and their LTA level (1997-2024) are illustrated in **Figure 8**. Up to **27 October 2025**, it was observed that the water is still moving out of the Tonle Sap Lake (**Figure 8**).

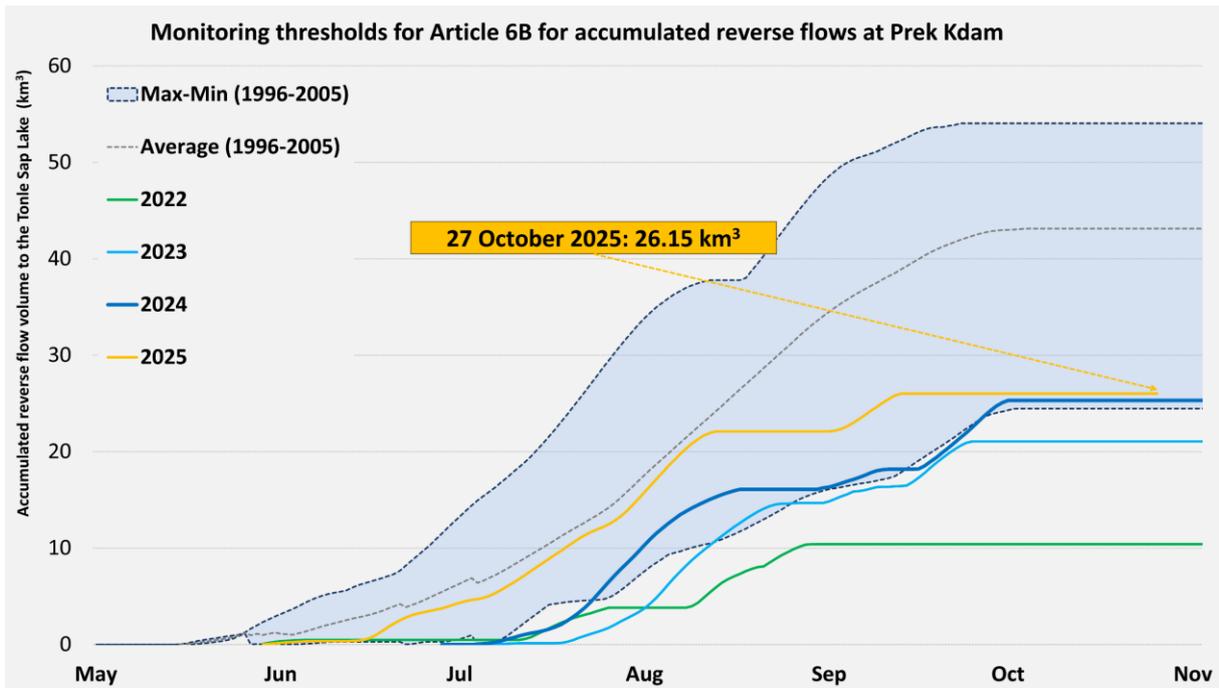


Figure 7: Total accumulated reverse flow to Tonle Sap Lake updated on 20 October 2025.

The seasonal changes in monthly flow volumes up to **27 October 2025** for the TSL compared with that in 2020, 2021, 2022, 2023, 2024 and their LTAs, and the fluctuation levels (1997–2024) are presented in **Table 8**. The mean monthly water volume of the Tonle Sap Lake in September 2025 is lower than its LTA (about 91.23 %) and higher than all recent years from 2020 during the same period (**Figure 9 and Table 1**).

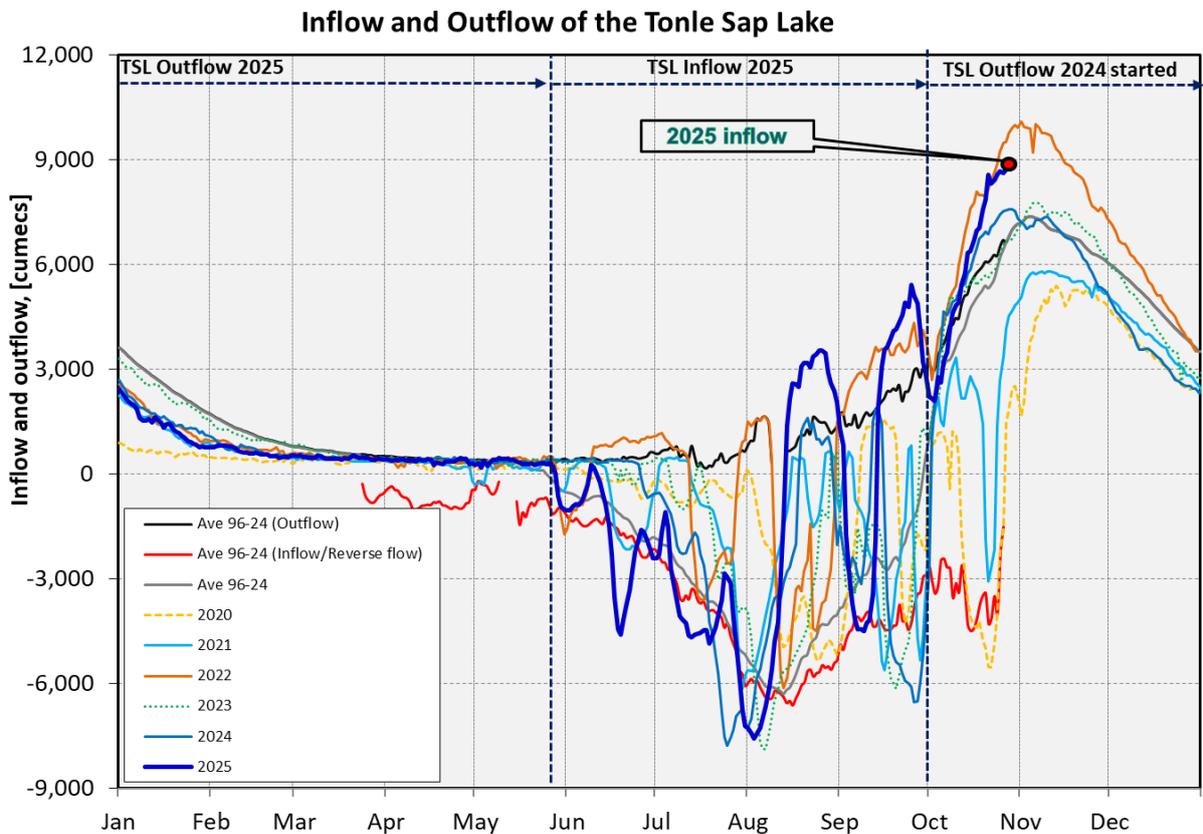


Figure 8: Seasonal change of inflows and outflows of Tonle Sap Lake.

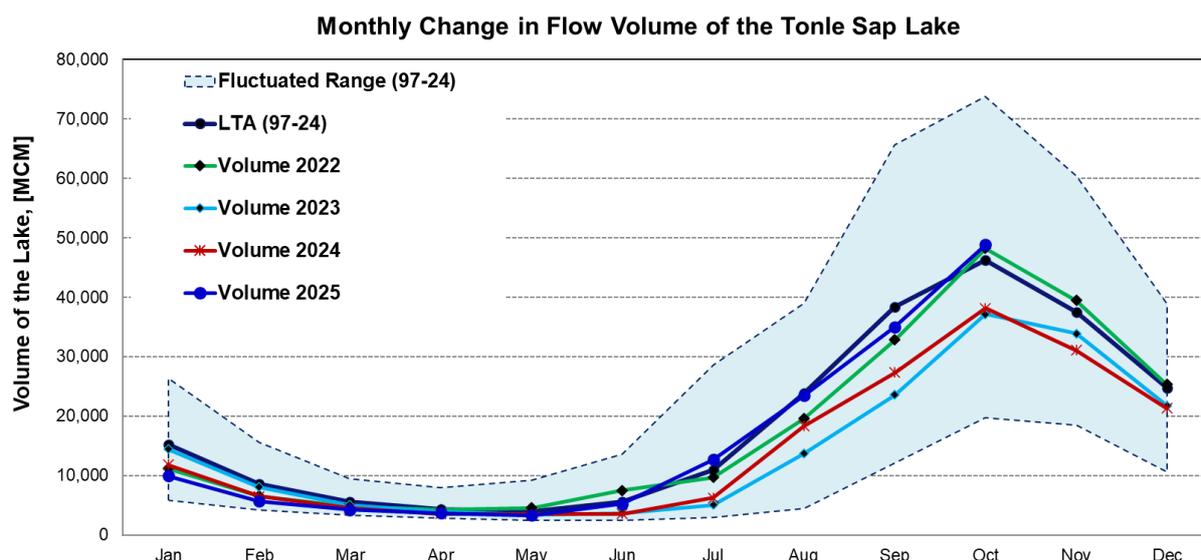


Figure 9. The seasonal change in monthly flow volume of Tonle Sap Lake.

Table 1. The monthly change in the flow volume of Tonle Sap Lake.

Month	LTA (97-24) [MCM]	Max Volume [MCM]	Min Volume [MCM]	Volume 2019 [MCM]	Volume 2020 [MCM]	Volume 2021 [MCM]	Volume 2022 [MCM]	Volume 2023 [MCM]	Volume 2024 [MCM]	Volume 2025 [MCM]	Volume in 2025 [%], compared with its LTA
Jan	15197.93	26357.53	5906.80	13080.39	10285.31	5906.80	9923.80	11214.32	14422.11	10341.91	68.05
Feb	8644.19	15596.22	4198.60	7302.32	6019.30	4264.19	5832.97	6558.79	8069.29	5690.52	65.83
Mar	5564.35	9438.24	3347.07	4852.74	4354.62	3553.99	4264.88	4736.52	5080.64	4256.33	76.49
Apr	4300.28	8009.14	2866.91	4282.78	3667.47	2992.61	3556.68	4288.31	3884.16	3697.92	85.99
May	4009.61	9176.93	2417.81	4356.44	3266.43	2594.92	3240.78	4556.83	3438.66	3322.45	82.86
Jun	5624.02	13635.01	2468.70	8465.20	3517.06	2641.88	3798.29	7489.04	3689.97	5278.20	93.85
Jul	11012.31	28599.56	2925.86	14964.58	4001.99	2925.86	5346.73	9703.79	5062.21	12706.40	115.38
Aug	23865.05	39015.12	4433.46	23407.37	7622.71	5941.07	10547.80	19554.70	13694.57	23464.06	98.32
Sep	38377.57	65632.35	12105.31	39654.01	24194.19	12105.31	16382.34	32860.34	23550.60	35010.86	91.23
Oct	46261.30	73757.23	19705.50	41847.54	30358.38	20799.13	27318.21	48199.12	37141.40	48864.89	105.63
Nov	37500.63	60367.33	18534.61	33663.58	19112.65	27546.80	28982.93	39452.53	33929.52		
Dec	24795.31	38888.95	10563.49	23079.82	10577.29	18251.65	20170.76	25346.65	21757.70		
	Critical situation: lower than long-term minimum values (LTMIN)										
	Normal condition: within the range of long-term average (LTA) and max (LTMAX) values										
	Low volume situation: lower than long-term average (LTA)										
Unit: Million Cubic Meter (1 MCM= 0.001 Km ³)											

Remarks: the volume of Tonle Sap Lake in 2025 is updated until 27 October 2025.

4. Flash Flood in the Lower Mekong Basin

During the weekly monitoring period from 21 – 27 October, the LMB received light to heavy rain and thunderstorms in some areas.

According to the Southeast Asian Flash Flood Guidance System (SEAFFGS) and analysis, flash flood guidance was detected at low to moderate level in the next 1, 3 and 6 hours in some areas in Cambodia, Lao PDR, and Viet Nam during the reporting period as shown in **Figure 10 & Table 2**.

Table 2. Detected flash flood in the LMB on 27 October

FLASH FLOOD GUIDANCE IN CAMBODIA								
In the next 1hrs			In the next 3hrs			In the next 6hrs		
Provinces	Districts	Level	Provinces	Districts	Level	Provinces	Districts	Level
Kampong Cham	Stueng Trang	Moderate	Mondul Kiri	Pechr Chenda	Moderate	Mondul Kiri	Pechr Chenda	Moderate
Mondul Kiri	Kaoh Nheaek	Moderate	Ratana Kiri	Ta Veang	Moderate	Ratana Kiri	Ta Veang	Moderate
Mondul Kiri	Pechr Chenda	Moderate						
Ratana Kiri	Ta Veang	Moderate						

FLASH FLOOD GUIDANCE IN LAO PDR								
In the next 1hrs			In the next 3hrs			In the next 6hrs		
Provinces	Districts	Level	Provinces	Districts	Level	Provinces	Districts	Level
Saravane	Samuoi	Moderate						
Savannakhet	Vilabuly	Moderate						
Sekong	Dakcheung	Moderate						

FLASH FLOOD GUIDANCE IN VIET NAM								
In the next 1hrs			In the next 3hrs			In the next 6hrs		
Provinces	Districts	Level	Provinces	Districts	Level	Provinces	Districts	Level
Dak Lak	Buon Don	Moderate	Gia Lai	Duc Co	Moderate	Gia Lai	Duc Co	Moderate
Dak Lak	Cu Jut	Moderate	Gia Lai	Mang Yang	Moderate	Gia Lai	Mang Yang	Moderate
Dak Lak	Cu M'Gar	Moderate						
Dak Lak	Dak Nong	Moderate						
Dak Lak	Ea H'Leo	Moderate						
Dak Lak	Ea Kar	Moderate						
Dak Lak	M'Drak	Moderate						
Gia Lai	Duc Co	Moderate						
Gia Lai	Mang Yang	High						
Kon Tum	Dak Glei	Moderate						

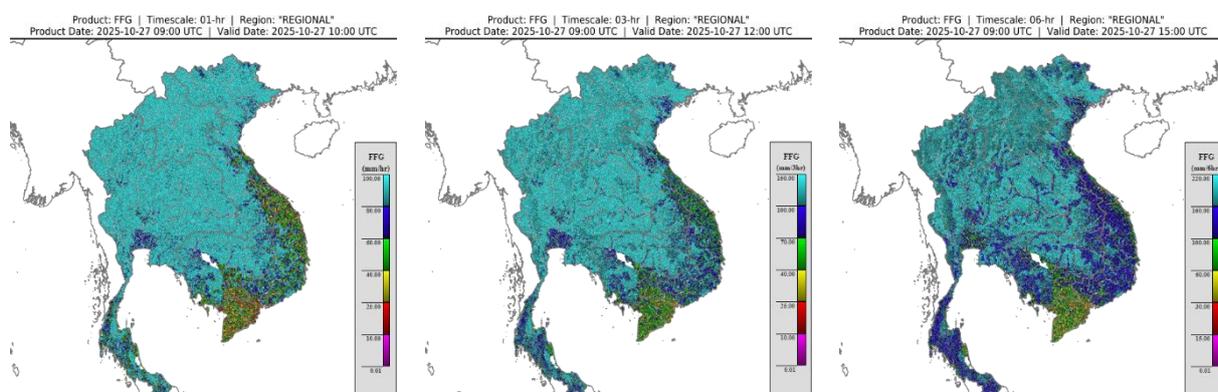


Figure 10. Flash Flood Guidance for the next 1-hr, 3-hr and 6-hr on 27 October

5. Drought Monitoring in the Lower Mekong Basin

5.2. Weekly drought monitoring from 21 - 27 October 2025

Drought monitoring data for 2025 are available from Monday to Sunday every week; thus, the reporting period is normally delayed by one day compared to Flood and Flash Flood reports. We adopt the Index of Soil Water Fraction (ISWF) data obtained from FFGS to represent soil moisture of agricultural indicator for both dry and wet seasons.

- **Weekly Standardised Precipitation Index (SPI1)**

Meteorological indicator shows that from 21 - 27 October, as shown in Figure 9, the LMB were facing normal to wet conditions.

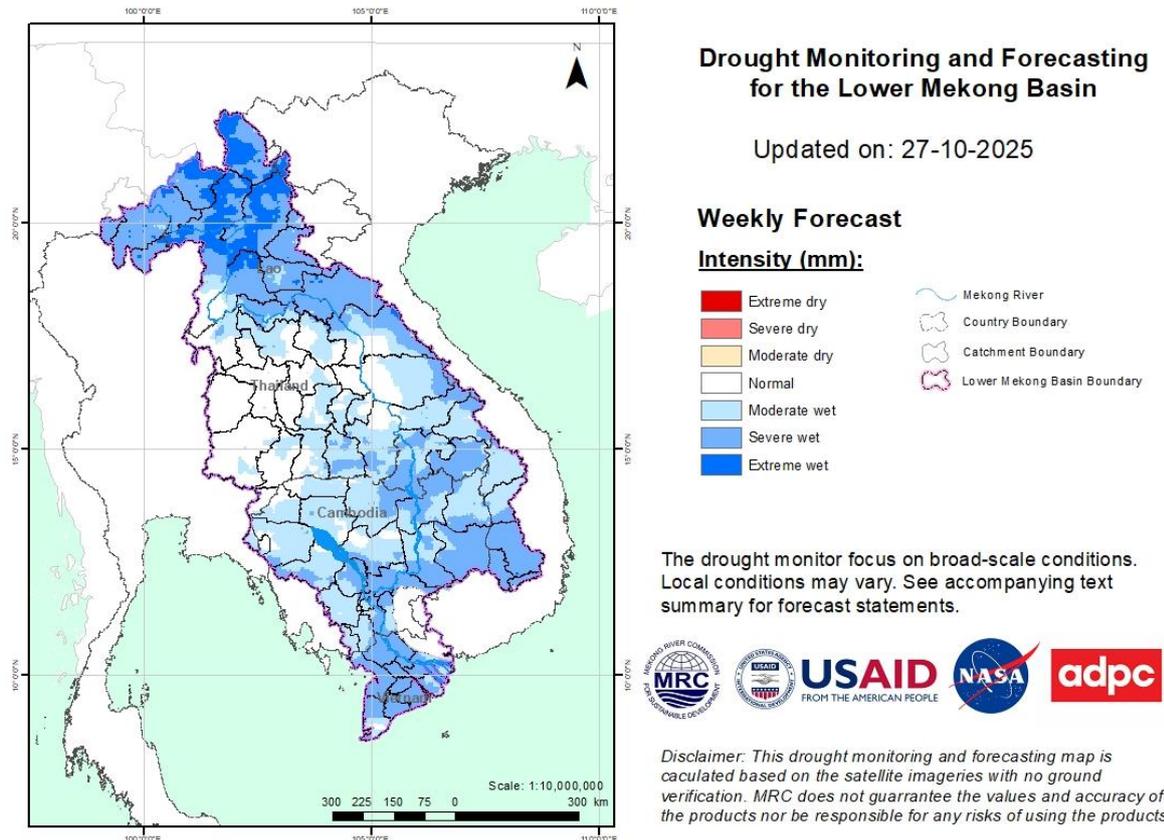
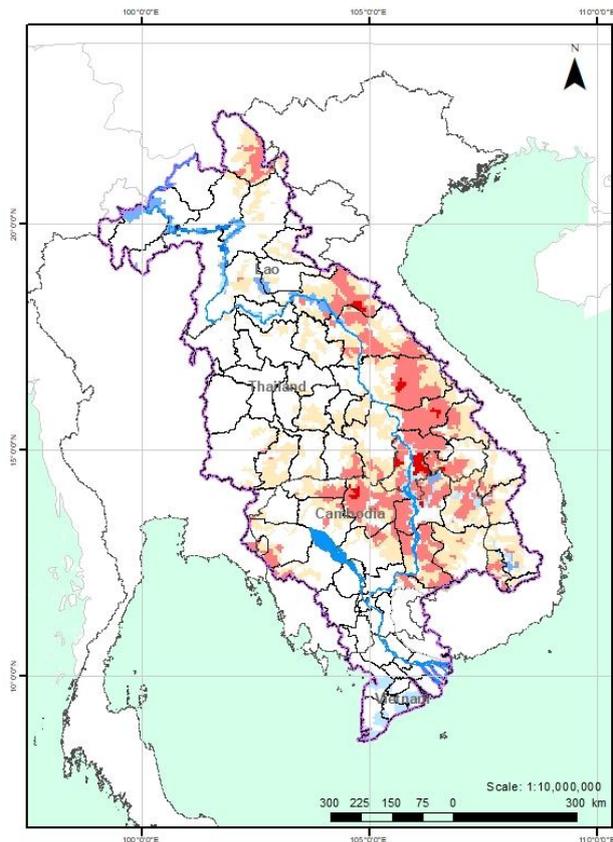


Figure 11: Weekly standardized precipitation index from 21 - 27 October

- **Weekly Index of Soil Water Fraction (ISWF)**

No drought over the LMB by the Index of Soil Water Fraction, as displayed in **Figure 10**, during the monitoring week from 21 – 27 October, the LMB was facing normal to wet conditions, except some areas in the central and southern part of Lao PDR, and northern part of Cambodia.



Drought Monitoring and Forecasting for the Lower Mekong Basin

Updated on: 27-10-2025

Weekly Forecast

Intensity (mm):



The drought monitor focus on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Disclaimer: This drought monitoring and forecasting map is calculated based on the satellite imageries with no ground verification. MRC does not guarantee the values and accuracy of the products nor be responsible for any risks of using the products.

Figure 12: Weekly Index of Soil Water Fraction from 21 - 27 October.

- **Weekly Combined Drought Index (CDI)**

The combined drought indicator, **Figure 13**, shows that no drought in most areas.

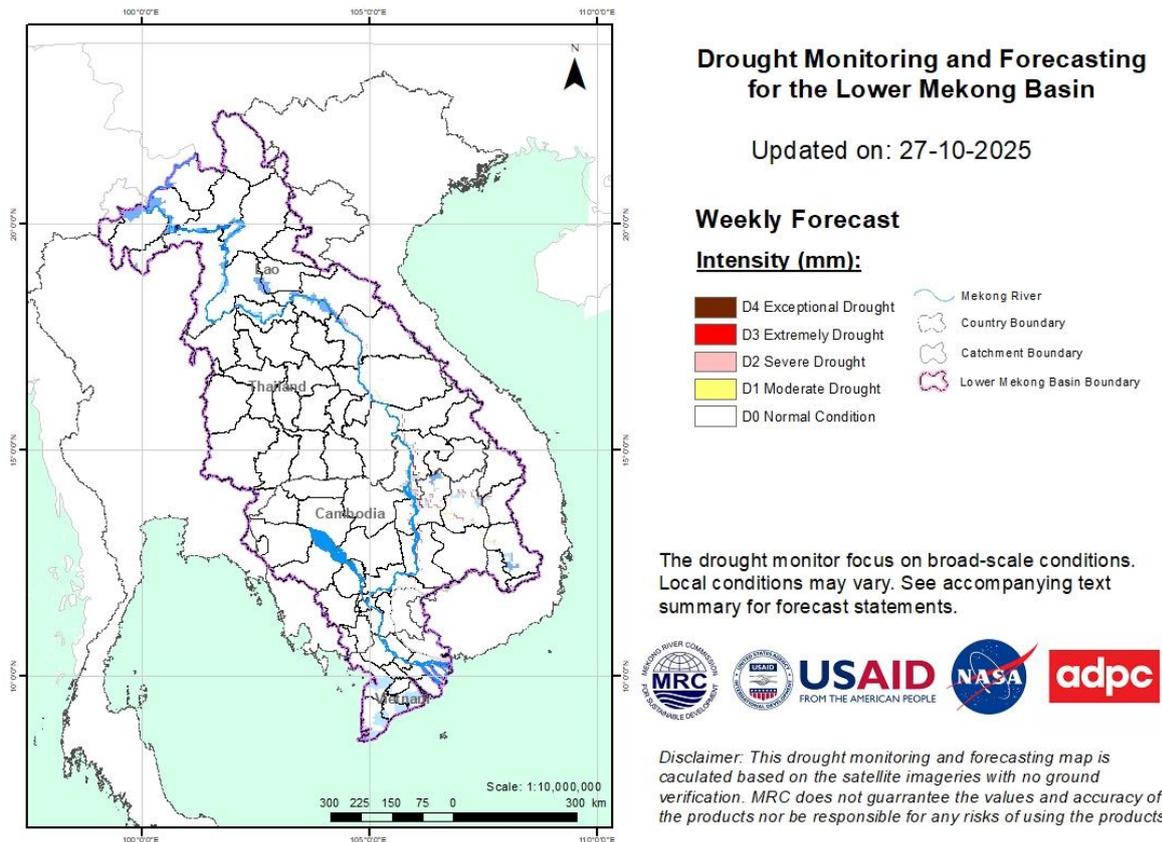


Figure 13: Weekly Combined Drought Index from 21 - 27 October

More information on Drought Forecasting and Early Warning (DFEW) as well as the explanation is available here: <http://droughtforecast.mrcmekong.org/templates/view/our-product>. DFEW provides not only weekly monitoring and forecasting information but also a three-month forecast of drought indicators with seasonal outlook which are updated every month based on international weather forecast models. Details on drought forecast are described in section 6.4 of this report.

6 Weather and Water Level Forecast and Flash Flood information

6.1 Rainfall forecast

During 21- 25 October 2025, the accumulated rainfall over the entire Lower Mekong Basin is distributed with light to heavy rain based on CHIRPS-GFS (**Figure 12**). Isolated thunderstorm and light to heavy rainfall are expected to occur in some areas in the LMB.

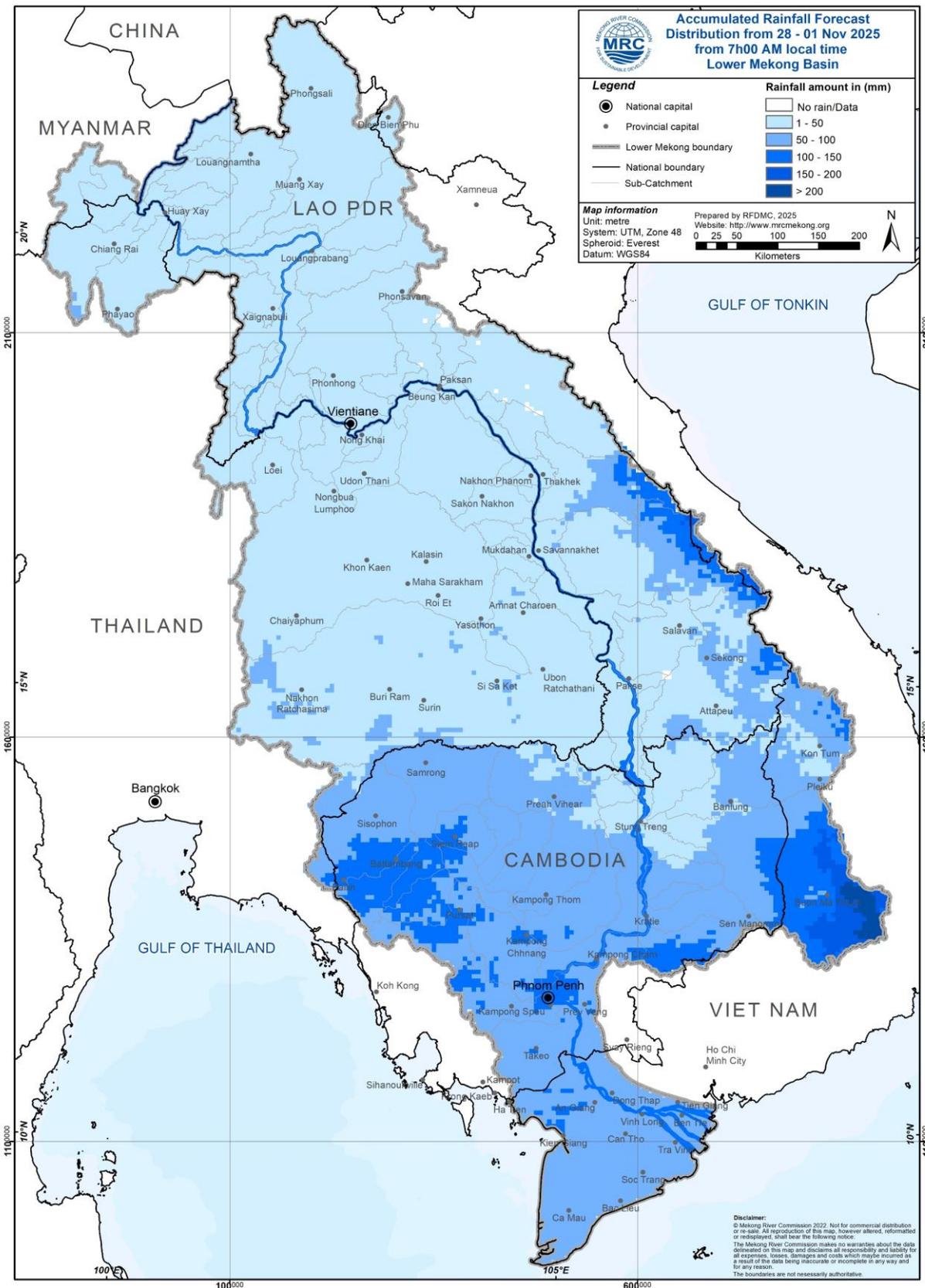


Figure 14: Accumulated rainfall forecast from CHIRPS-GFS (28 October – 01 November 2025)

6.2 Water level forecast

During the wet season, from June 1st to October 31st each year, daily riverine flood forecasts are conducted for 22 stations along the Mekong mainstream, with a forecast lead time of five days. This report will describe the forecast water level for a period of **28 October – 01 November 2025**. Water levels at upper part of the LMB at Chiang Saen and Luang Prabang are expected to slightly rise, while from Chiang Khan downstream, they are expected to drop. Water levels at Tan Chau and Chau Doc are expected to be fluctuated due to tidal fluctuations.

In Chiang Saen and Luang Prabang monitoring stations, the water level is expected to be fluctuated over the forecasting period of **28 October – 01 November 2025** with increasing trend. The water level at Chiang Khan, Vientiane and Nongkhai stations are expected to drop approximately -0.27 m, -0.21 m, -0.25 m, respectively.

At Paksane, Nakhon Phanom, Thakhek, Mukdahan, Savannakhet, Khong Chiam and Pakse stations, the water levels are also expected to decline approximately -0.21 m, -0.24 m, -0.23 m, -0.28 m, -0.30 m, -0.23 m, and -0.22 m, respectively.

At Stung Treng, Kratie, Kompong Cham, Phnom Penh (Bassac) and Phnom Penh Port stations, the water levels are also expected to drop approximately -0.22 m, -0.32 m, -0.31 m, -0.36 m, -0.35 m, -0.20 m, -0.29 m, and -0.21 m, respectively.

For the Tan Chau station on the Mekong River and Chau Doc station on the Bassac River, water levels will be fluctuating approximately ranging between 3.27 m and 3.06 m and 3.07 m and 2.88 m, respectively, following daily tidal effects from the sea.

The weekly River Monitoring Bulletin and forecasting issued on **27 October 2025** can be found in **Table 2**. Results of the weekly river monitoring and forecasting bulletin are also available at <http://ffw.mrcmekong.org/bulletin.php>

Table 3. River Monitoring and Forecasting Bulletin.

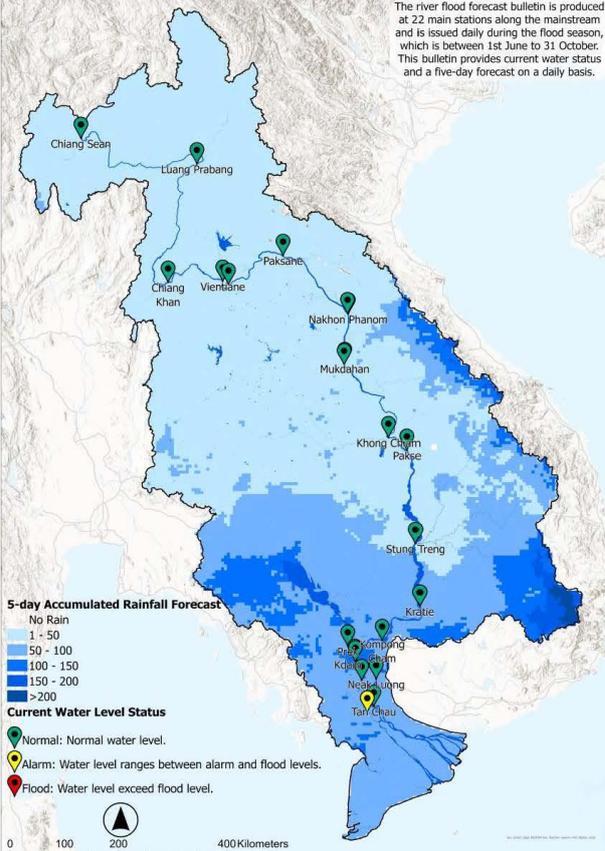


MEKONG RIVER MONITORING AND FORECASTING BULLETIN

Monitoring on 27 October 2025, 7:00 (UTC+7)

Highlights: *The water levels at all stations along the Mekong mainstream are in normal conditions except for Chau Doc which is still at **ALARM LEVEL**. The accumulated reversed flow volume into TSL is still 26.15 Km³.*

THE FORECASTING HYDROLOGICAL STATION MAP OF THE LOWER MEKONG BASIN (LMB)



The river flood forecast bulletin is produced at 22 main stations along the mainstream and is issued daily during the flood season, which is between 1st June to 31 October. This bulletin provides current water status and a five-day forecast on a daily basis.

Remarks: The river flood forecast bulletin is produced at 22 main stations along the mainstream and is issued daily during the flood season, which runs from 1st June to 31st October. This bulletin provides information on the current water level status and a five-day forecast on a daily basis.

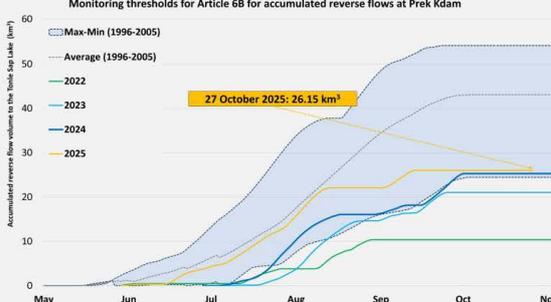
CURRENT WATER LEVEL STATUS

Monitoring Station	Water Level	Flow Threshold (PMFM*6C)
China	Jinghong	-
China	Chiang Saen	Normal
Laos	Luang Prabang**	Normal
Laos	Chiang Khan	Normal
Laos	Vientiane	Normal
Thailand	Nongkhai	Normal
Thailand	Paksane	Normal
Thailand	Nakhon Phanom	Normal
Thailand	Thakhek	Normal
Thailand	Mukdahan	Normal
Thailand	Savannakhet	Normal
Thailand	Khong Chiam	Normal
Thailand	Pakse	Normal
Thailand	Stung Treng	Normal
Thailand	Kratie	Normal
Thailand	Kompong Cham	Normal
Thailand	Phnom Penh (Bassac)	Normal
Thailand	Phnom Penh Port	Normal
Thailand	Koh Khel	Normal
Thailand	Neak Luong	Normal
Thailand	Prek Kdam	Normal
Thailand	Tan Chau	Normal
Vietnam	Chau Doc	ALARM

* Procedures for Maintenance of Flows on the Mainstream
** Luang Prabang station is influenced by hydropowers at its upstream and downstream

REVERSE FLOW VOLUME PREK K DAM (PMFM*6B)

Monitoring thresholds for Article 6B for accumulated reverse flows at Prek Kdam



Accumulated reverse flow volume at Prek Kdam

Flow volumes on 27 October 2025:	26.15 Km³
Minimum reverse flow volume (1996-2005):	23.848 Km ³
Average reverse flow volume (1996-2005):	42.84 Km ³
Maximum reverse flow volume (1996-2005):	54.046 Km ³

*Procedures for Maintenance of Flows on the Mainstream

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<http://www.mrcmekong.org/>

http://fw.mrcmekong.org/bulletin_wet.php

<http://fw.mrcmekong.org/reportflood.php>

<https://pmfm.mrcmekong.org/>

DISCLAIMER

This information is supplied as a service to the governments of the MRC Member Countries so that it may be used as a tool within existing national disaster forecast and warning systems.



MEKONG RIVER MONITORING AND FORECASTING BULLETIN

Forecasting from 28 October to 01 November 2025

Highlights: Moderate to heavy rainfall are likely to occur in several parts of LMB. Water levels from Chiang Saen & Luang Prabang are expected to slightly rise, while from Chiang Khan downstream, they are expected to drop.

Forecasting Station	24 h Observed Rainfall (mm)	Zero gauge above M.S.L (m)	Observed Water Level against zero gauge (m)		Forecasted Water Level (m)					Alarm Level (m)	Flood Level (m)	Low-lying flood level (m)*	Forecasted Water Levels Change in 5 days (m)	Max. Water levels change within next 5 days (m)	Min. distance to alarm level within next 5 days (m)	Min. distance to flood level within next 5 days (m)	
			26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	01-Nov								
China	0.0	-	537.62	↓ 537.22	-	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	0.0	357.110	4.47	↓ 4.42	→ 4.46	→ 4.56	→ 4.65	→ 4.60	→ 4.53	11.50	12.80	-	↑ 0.11	0.23	6.85	8.15	
Laos	0.0	267.195	11.60	↓ 11.52	→ 11.45	→ 11.39	→ 11.40	↑ 11.55	↑ 11.70	17.50	18.00	-	↑ 0.18	0.18	5.80	6.30	
Laos	0.0	194.118	8.86	↓ 8.74	↓ 8.61	↓ 8.47	→ 8.39	→ 8.35	↑ 8.47	14.50	16.00	-	↓ -0.27	-0.39	5.89	7.39	
Laos	0.0	158.040	6.87	↓ 6.72	→ 6.65	→ 6.58	→ 6.50	→ 6.45	→ 6.51	11.50	12.50	-	↓ -0.21	-0.27	4.85	5.85	
Laos	0.0	153.648	6.12	↓ 5.98	↓ 5.87	→ 5.80	→ 5.73	→ 5.68	→ 5.73	11.40	12.20	7.35	↓ -0.25	-0.30	5.53	6.33	
Laos	0.0	142.125	7.11	↓ 7.04	→ 6.95	→ 6.90	→ 6.86	→ 6.83	→ 6.83	13.50	14.50	-	↓ -0.21	-0.21	6.55	7.55	
Laos	0.0	130.961	5.69	↓ 5.49	↓ 5.35	→ 5.25	→ 5.26	→ 5.27	→ 5.26	11.50	12.00	9.04	↓ -0.24	-0.24	6.15	6.65	
Laos	0.0	129.629	6.99	↓ 6.81	↓ 6.66	→ 6.57	→ 6.58	→ 6.59	→ 6.58	13.00	14.00	-	↓ -0.23	-0.24	6.34	7.34	
Laos	0.0	124.219	5.77	↓ 5.58	↓ 5.45	→ 5.40	→ 5.39	→ 5.36	→ 5.30	12.00	12.50	-	↓ -0.28	-0.28	6.55	7.05	
Laos	0.0	124.219	4.20	↓ 4.02	↓ 3.90	→ 3.83	→ 3.81	→ 3.78	→ 3.72	12.00	13.00	-	↓ -0.30	-0.30	8.10	9.10	
Laos	1.5	89.030	7.68	↓ 7.55	↓ 7.43	→ 7.37	→ 7.32	→ 7.30	→ 7.32	13.50	14.50	-	↓ -0.23	-0.25	6.07	7.07	
Laos	4.6	86.490	5.92	↓ 5.82	↓ 5.68	→ 5.62	→ 5.57	→ 5.55	→ 5.60	11.00	12.00	-	↓ -0.22	-0.27	5.32	6.32	
Laos	0.0	36.790	6.07	↓ 6.03	↓ 5.94	→ 5.90	↓ 5.85	→ 5.81	→ 5.81	10.70	12.00	-	↓ -0.22	-0.22	4.76	6.06	
Thailand	0.0	-1.080	14.84	↓ 14.61	↓ 14.45	↓ 14.32	↓ 14.26	↑ 14.31	→ 14.29	22.00	23.00	-	↓ -0.32	-0.35	7.55	8.55	
Thailand	0.0	-0.930	9.98	↓ 9.78	↓ 9.64	↓ 9.55	↓ 9.49	→ 9.49	→ 9.47	15.20	16.20	-	↓ -0.31	-0.31	5.56	6.56	
Thailand	nr	-1.020	8.10	↓ 8.07	↓ 7.94	↓ 7.86	↓ 7.78	↓ 7.73	→ 7.71	10.50	12.00	-	↓ -0.36	-0.36	2.56	4.06	
Thailand	nr	0.070	7.01	↓ 6.91	↓ 6.80	↓ 6.71	↓ 6.63	↓ 6.58	→ 6.56	9.50	11.00	-	↓ -0.35	-0.35	2.70	4.20	
Thailand	0.0	-1.000	7.07	↓ 7.00	↓ 6.92	↓ 6.87	↓ 6.83	→ 6.81	→ 6.80	7.90	8.40	-	↓ -0.20	-0.20	0.98	1.48	
Thailand	12.6	-0.330	6.04	↓ 5.86	↓ 5.78	↓ 5.70	↓ 5.63	↓ 5.59	→ 5.57	7.50	8.00	-	↓ -0.29	-0.29	1.72	2.22	
Thailand	0.0	0.080	7.91	↓ 7.83	↓ 7.77	↓ 7.71	↓ 7.66	↓ 7.63	→ 7.62	9.50	10.00	-	↓ -0.21	-0.21	1.73	2.23	
Thailand	67.9	0.000	3.32	↓ 3.27	↓ 3.22	↓ 3.17	↓ 3.13	↓ 3.09	→ 3.06	3.50	4.50	-	↓ -0.21	-0.21	0.28	1.28	
Thailand	60.0	0.000	3.10	↓ 3.07	↓ 3.02	↓ 2.98	↓ 2.94	→ 2.91	↓ 2.88	3.00	4.00	-	↓ -0.19	-0.19	-0.02	0.98	

*: Low-lying flood levels have been requested by Thailand to be included for specific stations including Nongkhai (7.35 m), Nakhon Phanom (9.04 m) and Beung Kan (7.58 m) stations.

WATER LEVEL FORECASTING DEFINITIONS

↑	Rising water level.
→	Stable water level: stable water level is defined as a daily change of less than 10cm from Chaing Saen to Savannakhet; less than 5cm at Pakse and Stung Treng; and no more than 3cm from Kratie downstream.
↓	Falling water level.
X	No data available.
Alarm stage	Alarm stage is when the water level ranges between alarm and flood levels.
Flood stage	Flood stage is when the flood level exceeds. A flood level is determined by member countries.

NOTES

- On 27 October, water levels at all stations along the Mekong mainstream are in normal conditions except for Chau Doc which is at **ALARM LEVEL**. The total accumulated reverse flow to TSL is 26.15 Km³.
- In the next 5 days, moderate to heavy rainfall are expected to occur in some areas in the central and southern part of Lao PDR, Cambodia, the northeastern part of Thailand, the 3S basin, and the Mekong delta.
- For 28 October – 01 November, water levels from Chiang Saen & Luang Prabang are expected to slightly rise, while from Chiang Khan downstream, they are expected to drop.

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DISCLAIMER
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6.3 Flash Flood Information

With moderate to heavy rainfall for next week, flash floods might be detected in some areas in the LMB. And local heavy rain in a short period of time is possible with unpredictable short flash floods. Further detailed information on Flash Flood Guidance Information, as well as on its explanation, is available for download [here](#).

6.4 Drought forecast

In **Figure 15**, In October and November 2025 the total amount of rainfall in most areas of the LMB will be higher than the LTA by around 5 - 20 mm, except for some areas in the Mekong Delta. However, in December and January, the total amount of rainfall in most areas of the LMB will be lower than the LTA by around 5 - 15 mm, except for some areas in the eastern part of the LMB including the 3S basin.

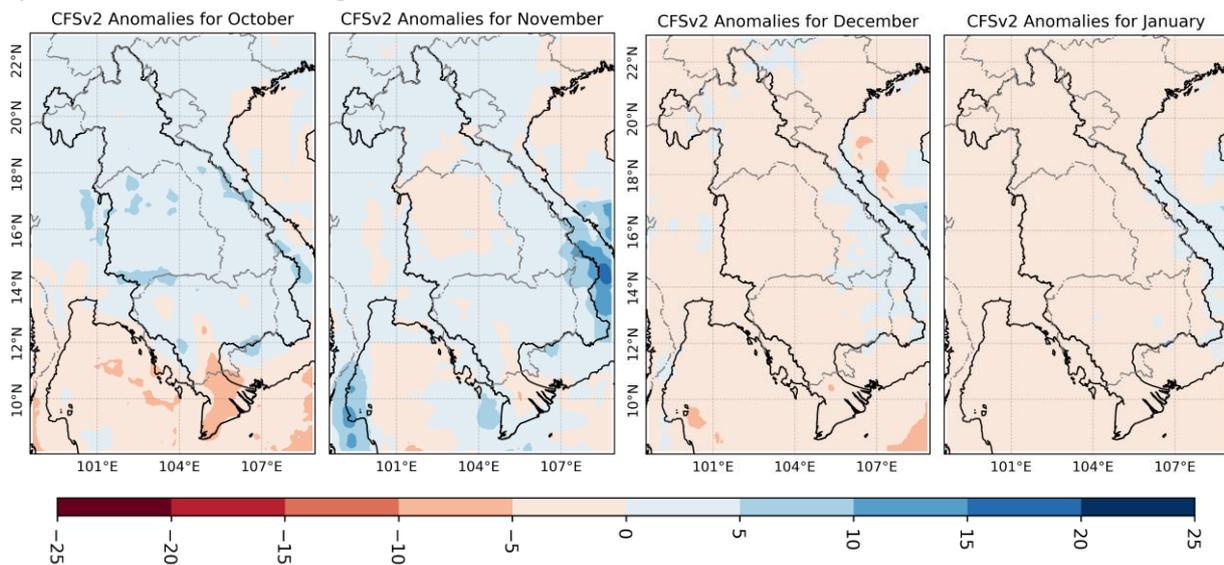


Figure 15: Seasonal forecast of rainfall anomalies for October 2025 to January 2026 based on CFSv2 (NCEP-NOAA)

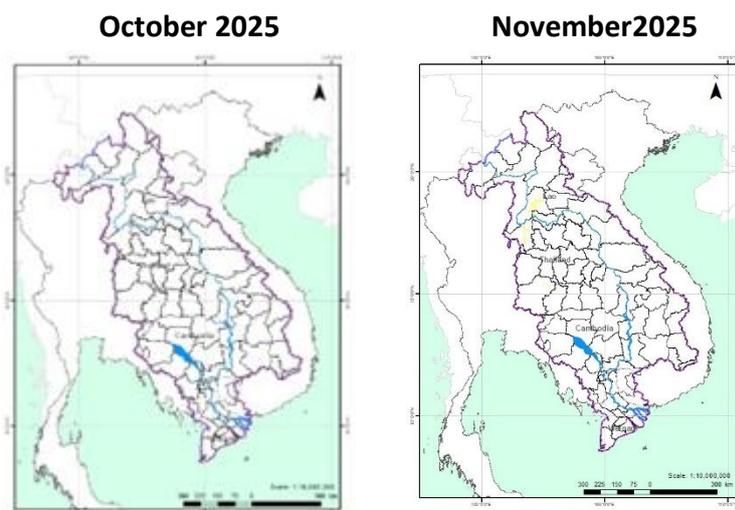


Figure 16. Monthly forecasts of combined drought indicators from September to November 2025

Figure 14 indicates that the monthly drought forecast for the upcoming months (October and November) use the Combined Drought Indicator (CDI). The forecast indicates that no drought

conditions are expected in over the LMB October. In November, some areas in the northern part of Lao PDR and northeastern part of Thailand are likely to occur moderate drought using the Combined Drought Indicator (CDI).

7 Summary and Possible Implications

7.1. Rainfall and its forecast

From 21 - 27 October, isolated thunderstorm and moderate to heavy rain occurred in the central and southern part of Lao PDR, Cambodia, the Mekong delta, and the 3S basin.

Next week, from 28 October – 03 November, moderate to heavy rain are expected to occur in some areas in the central and southern part of Lao PDR, Cambodia, the northeastern part of Thailand, the 3S basin, and the Mekong delta ; the remaining areas are expected to occur no rain to light rain.

7.2. Water level and its forecast

At 22 key monitoring stations along the Mekong mainstream from 21 – 27 October 2025, water levels at all stations along the Mekong mainstream have been in normal conditions except for Tan Chau and Chau Doc, which have reach alarm levels, and the flow threshold (PMFM 6C) are under normal conditions.

In the period of 28 October – 01 November 2025, Water levels at upper part of the Mekong mainstream at Chiang Saen and Luang Prabang stations are expected to slightly rise, while from Chiang Khan downstream, they are expected to drop in the next 5 days. At Tan Chau and Chau Doc stations, the water levels are predicted to be also fluctuated due tidal fluctuations.

7.3. Flash flood and its trends

With the predicted of rainfall for the coming week as mentioned earlier in part 2, the flash flood guidance from low to high level will likely be detected in some areas of the LMB.

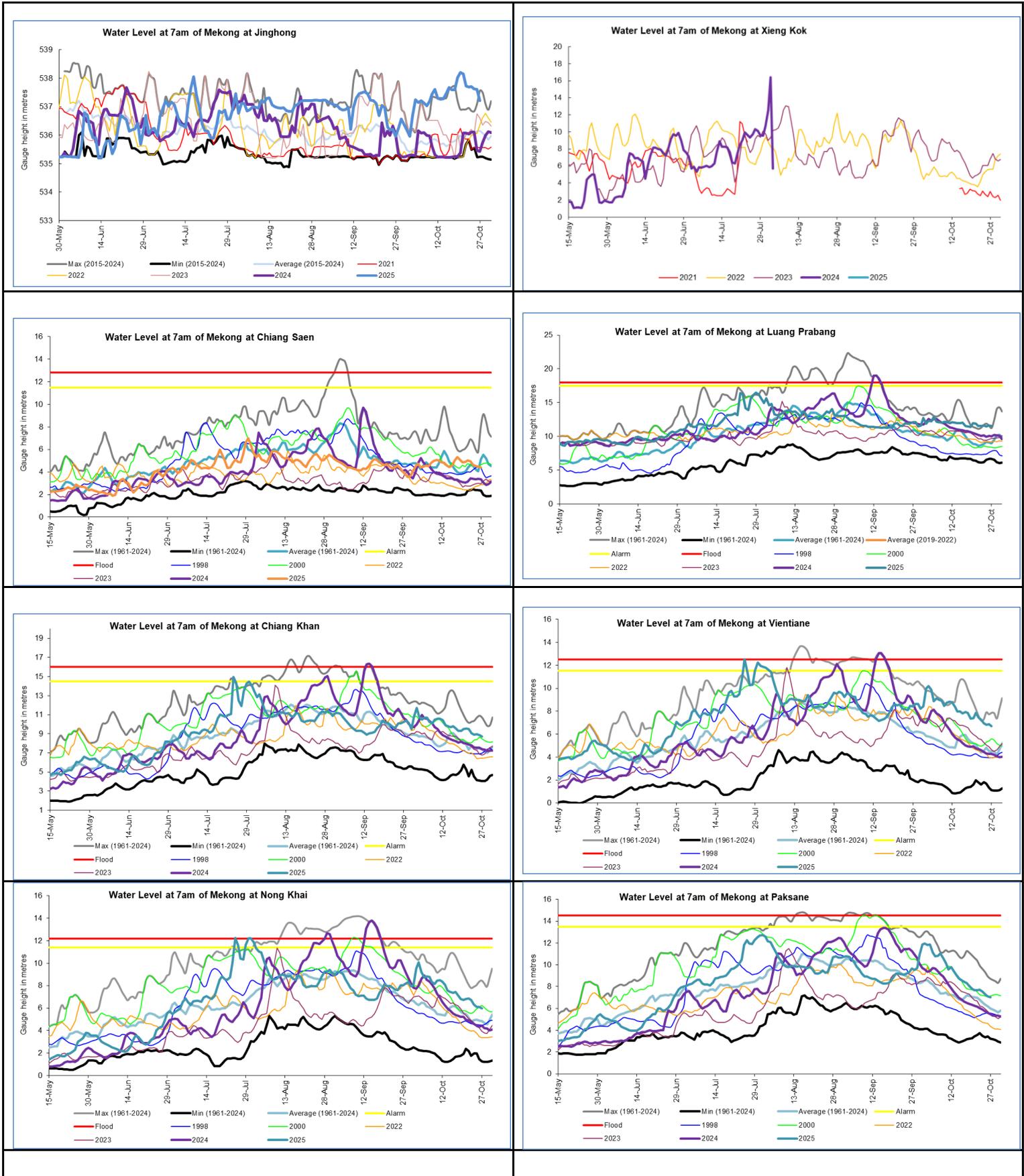
7.4. Drought condition and its forecast

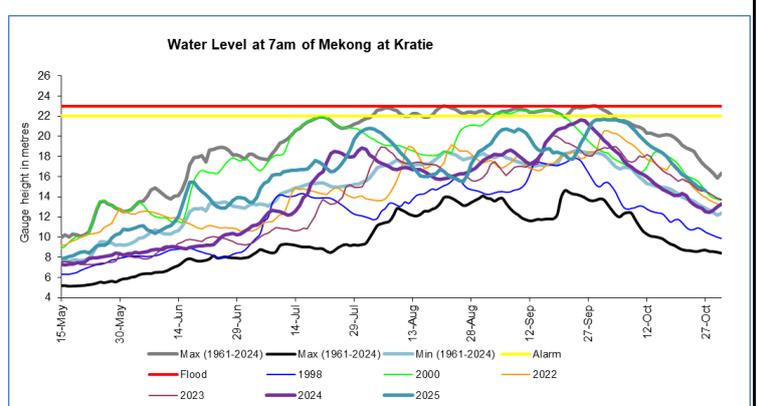
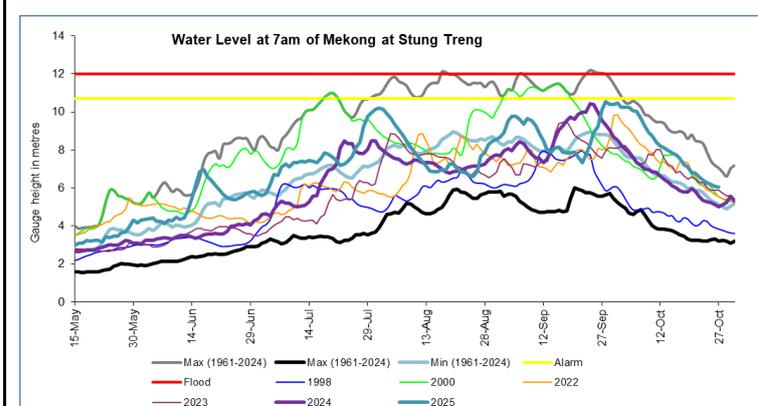
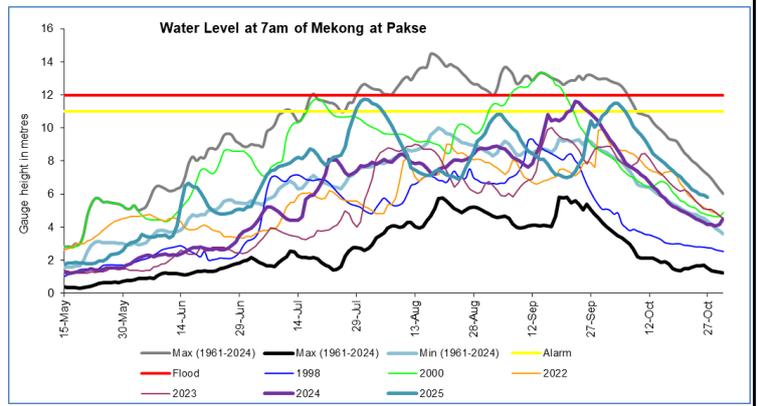
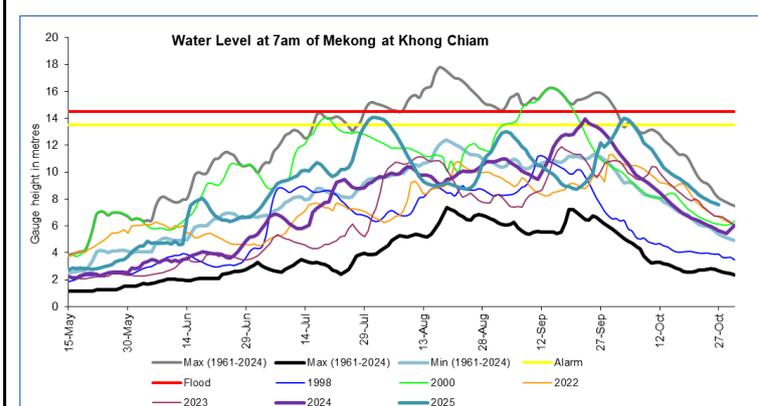
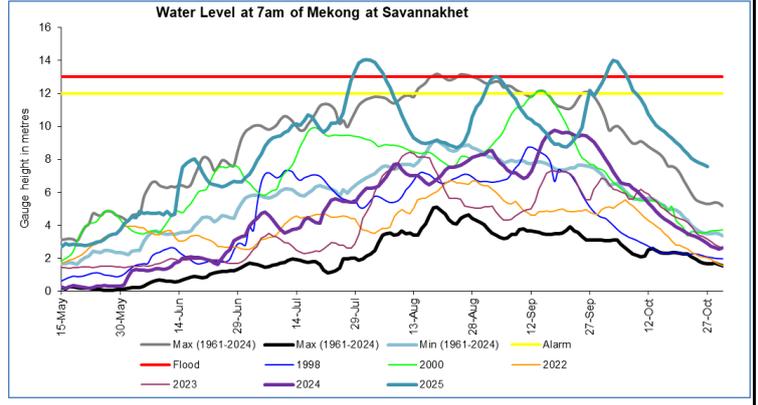
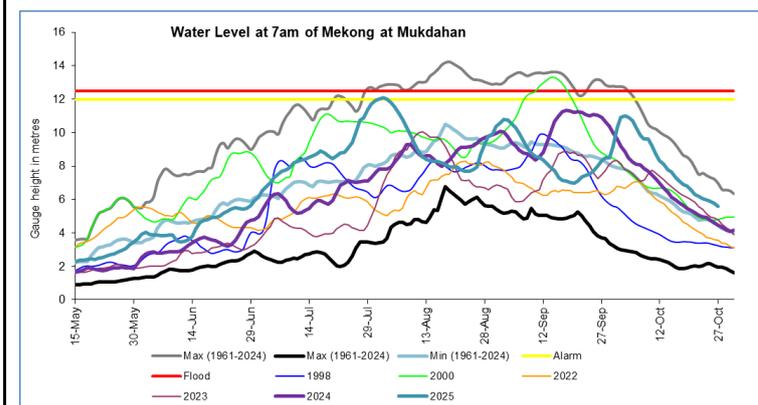
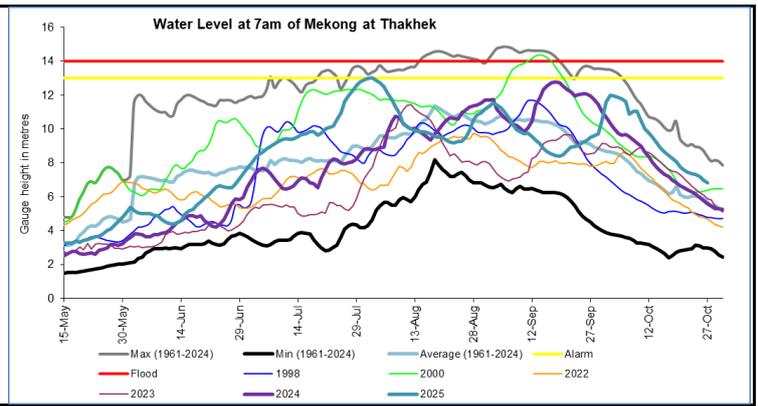
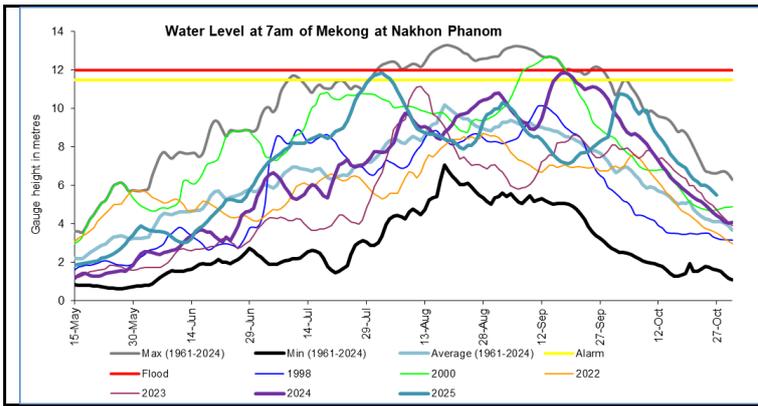
During 21 - 27 October, the LMB were facing normal to wet conditions.

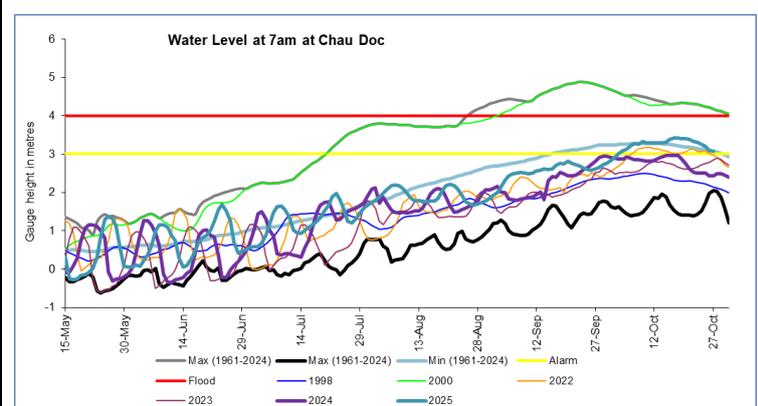
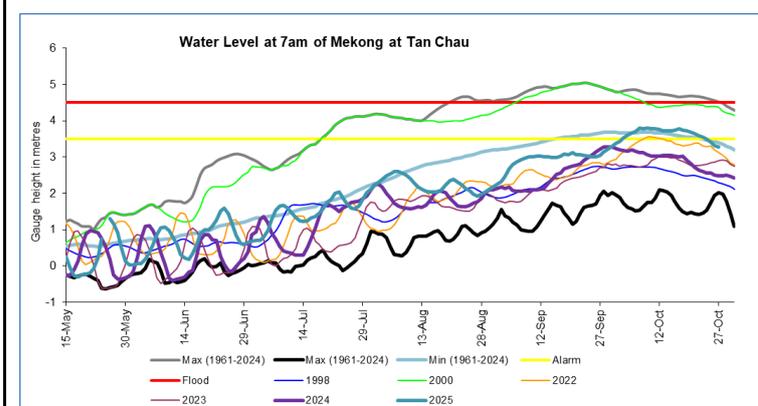
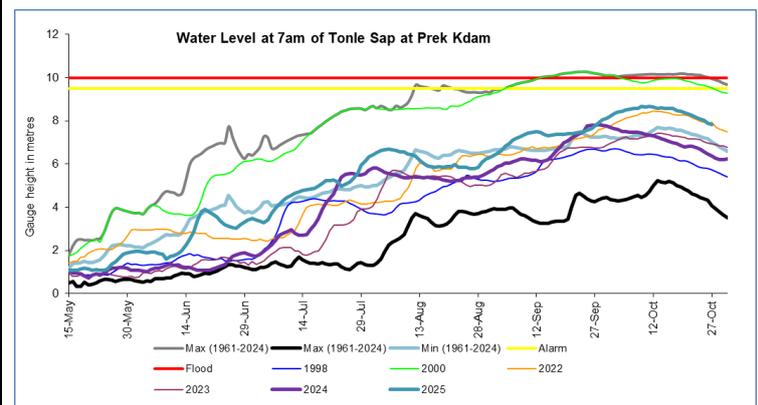
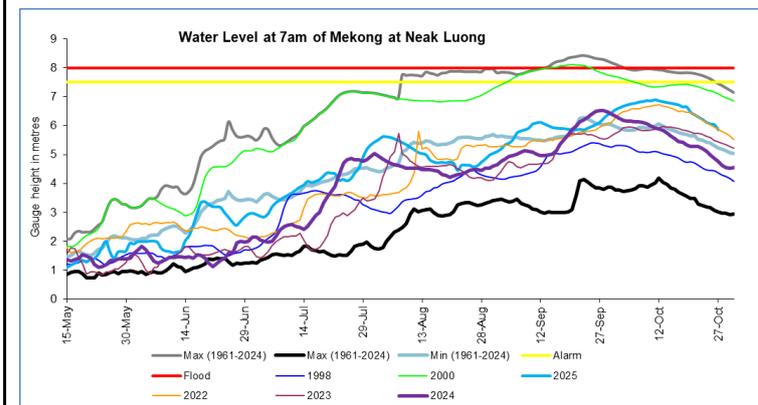
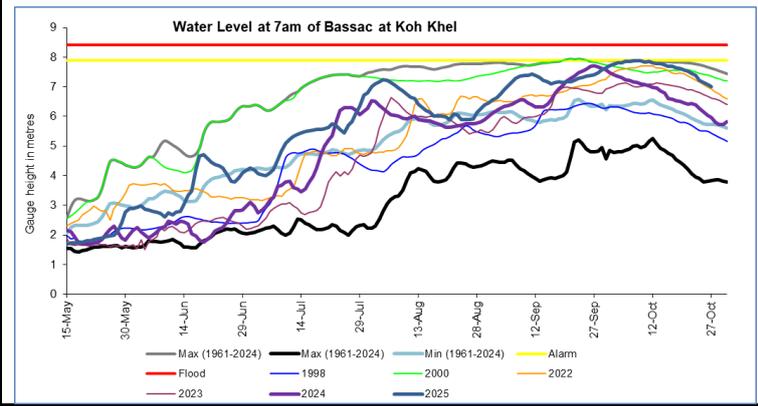
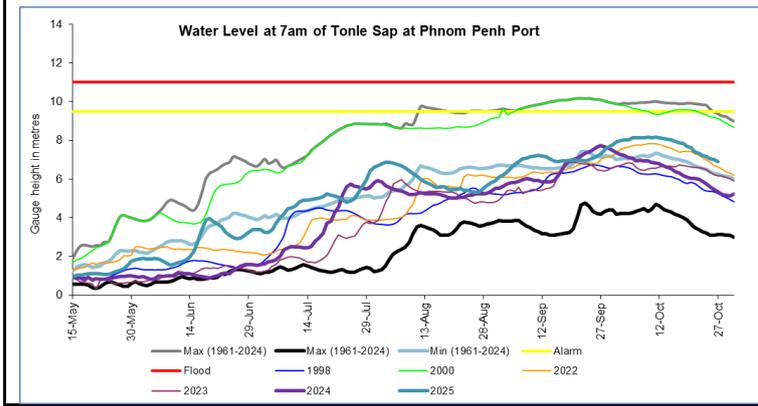
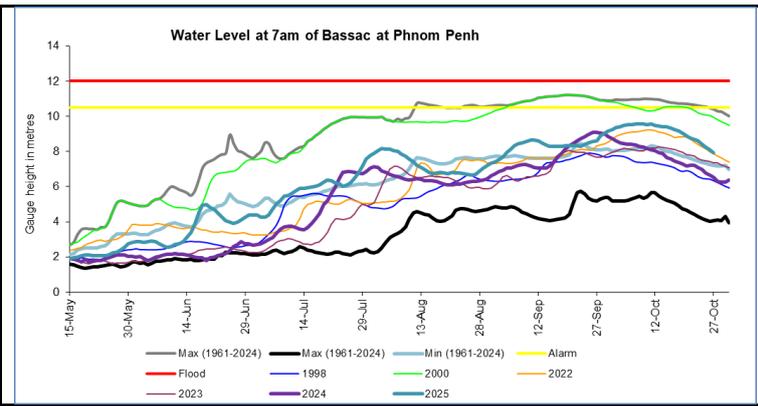
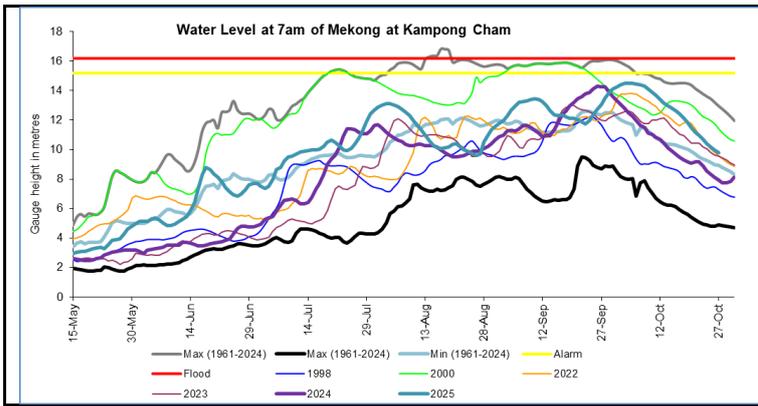
In October and November 2025, the total amount of rainfall in most areas of the LMB will be higher than the LTA by around 5 - 25 mm, except for some areas in the Mekong Delta. In October, the total amount of rainfall in most areas of the LMB will be lower than the LTA by around 5 - 15 mm, except for some areas in the southern Lao PDR, northern Cambodia, and the 3S Basin

The forecast indicates that no drought conditions are expected in over the LMB in October. In November, some areas in the northern part of Lao PDR and northeastern part of Thailand are likely to occur moderate drought using the Combined Drought Indicator (CDI).

Annex A: Weekly water level monitoring at 22 key stations







Annex B: Tables for weekly updated water levels and rainfall at the Key Stations

Table A1: Weekly observed water levels

2025	Jinghong	Chiang Saen	Luang Prabang	Chiang Khan	Vientiane	Nongkhai	Paksane	Nakhon Phanom	Thakhek	Mukdahan	Savannakhet	Khong Chiam	Pakse	Stung Treng	Kratie	Kompong Cham	Phnom Penh (Bassac)	Phnom Penh Port	Koh Khel	Neak Luong	Prek Kdam	Tan Chau	Chau Doc
14-10-2025	538.15	4.91	11.9	9.56	7.53	6.8	7.68	6.33	7.58	6.32	4.79	8.58	6.8	6.78	16.23	11.18	8.78	7.42	7.52	6.38	8.32	3.65	3.38
15-10-2025	537.72	5.01	11.54	9.5	7.45	6.85	7.67	6.18	7.44	6.17	4.6	8.32	6.54	6.56	16	10.97	8.68	7.32	7.46	6.3	8.25	3.59	3.33
16-10-2025	537.7	4.93	11.54	9.08	7.26	6.75	7.7	6	7.37	6.04	4.48	8.08	6.3	6.4	15.64	10.69	8.59	7.24	7.39	6.22	8.16	3.55	3.31
17-10-2025	537.71	4.66	11.62	8.93	6.94	6.32	7.55	6.02	7.32	5.96	4.4	7.92	6.14	6.26	15.29	10.4	8.39	7.15	7.22	6.12	8.08	3.48	3.25
18-10-2025	537.63	4.54	11.5	8.96	6.83	6.12	7.28	5.89	7.2	5.88	4.33	7.76	6	6.2	15.01	10.18	8.25	7.06	7.15	6.06	8.01	3.42	3.2
19-10-2025	537.62	4.47	11.6	8.86	6.87	6.12	7.11	5.69	6.99	5.77	4.2	7.68	5.92	6.07	14.84	9.98	8.1	7.01	7.07	6.04	7.91	3.32	3.1
20-10-2025	537.22	4.42	11.52	8.74	6.72	5.98	7.04	5.49	6.81	5.58	4.02	7.55	5.82	6.03	14.61	9.78	7.92	6.91	7	5.86	7.83	3.27	3.07
Flood level		12.80	18.00	16.00	12.50	12.00	14.50	12.50	14.00	12.50	13.00	14.50	12.00	12.00	23.00	16.20	12.00	11.00	6.04	8.00	10.00	4.50	4.00

Table A2: Weekly observed rainfall

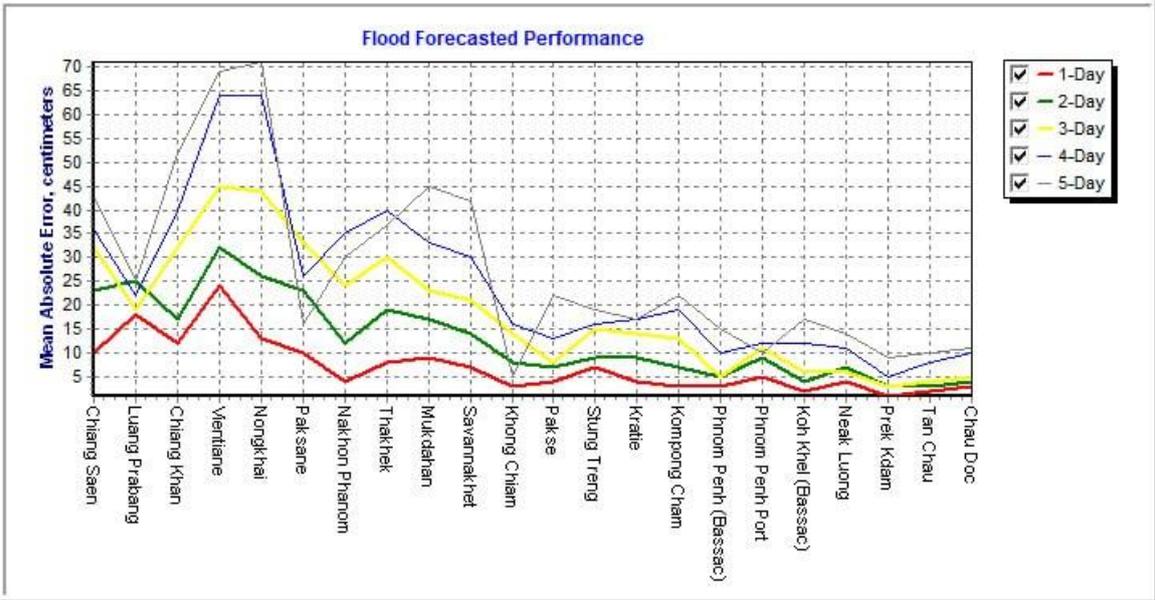
2025	Jinghong	Chiang Saen	Luang Prabang	Chiang Khan	Vientiane	Nongkhai	Paksane	Nakhon Phanom	Thakhek	Mukdahan	Savannakhet	Khong Chiam	Pakse	Stung Treng	Kratie	Kompong Cham	Phnom Penh (Bassac)	Phnom Penh Port	Koh Khel	Neak Luong	Prek Kdam	Tan Chau	Chau Doc
14-10-2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.3	9	40
15-10-2025	9.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16.4	0	0.6	51
16-10-2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	5.7	0
17-10-2025	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	11	3.8	0	0	47.3	0	0.4	3.2
18-10-2025	1	0	0	0	0	0	0	0	0	0	0	0	0	8	0	6	1.8	0	14	42	2.3	18.6	13.5
19-10-2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.9	0	0	1.8	7.3	28.5	0.2
20-10-2025	0	0	0	0	0	0	0	0	0	0	0	1.5	4.6	0	0	0	0	0	0	12.6	0	67.9	60
Sum	10.5	80.8	20.6	20.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.5	4.6	8.0	0.0	17.0	35.5	0.0	14.0	120.6	26.9	130.7	167.9

Annex C: Performance of the weekly flood forecasting

“Accuracy” here refers to the state where data recorded in the MRC’s Mekong River Flood Forecasting System are cleaned and verified.

The adjustment of flood forecasting outcomes from the flood forecasting system requires flood forecasters to have extensive knowledge in hydrology and statistical modelling for estimating the relationships between stations upstream and downstream in the Mekong River Basin. Flood forecasting performance presented in the graph below shows the average flood forecasting accuracy at each key station along the Mekong mainstream from 21 to 27 October 2025.

The forecasting values from 21 to 27 October 2025 show that the overall accuracy is fair for a four-day to five-day forecast in lead time (less than 250 cm) for most of the stations from the upper to the lower parts of the Mekong River with combine information of rainfall and reservoirs' operation in this area during the report period.



Note: The higher percentage of flood forecasting accuracy is due to several key factors as follows:

- Chiang Saen station is influencing by hydropower upstream operation from China.
- Luang Prabang to Chiang Khan and Paksane to Stung Treng to Kratie have been influenced by hydropower operations upstream, tributaries inflows.
- The influence of heavy rainfall caused by storms and hydropower operations from upstream, tributaries inflows and the lower part of the Mekong floodplain, including the 3S (Stung Treng and Kratie).
- Fluctuations of the water levels at Tan Chau and Chau Doc stations were due to daily tidal effects of the sea in the Mekong Delta.
- Satellite rainfall data were not representative of the actual rainfall at ground stations in some areas of the Mekong region.



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