



# Mekong River Commission

## Regional Flood Management and Mitigation Centre

### Weekly Dry Season Situation Report for the Mekong River Basin

Prepared on: 26/02/2019, covering the week from the 19<sup>th</sup> to 25<sup>th</sup> February 2019.

### Weather Patterns, General Behaviors of the Mekong River and Dry Season Situation

#### General weather patterns:

No critical weather situation over the Lower Mekong Basin, during this week. During the last week, the water levels at stations from upper to middle part of LMB has been fluctuated above their long-term averages (LTAs) due to inflow operation upstream part, while at downstream part has been decreased significantly.

#### General behavior of the Mekong River:

From 19 to 25 February 2019, water levels along the lower Mekong River from Thailand's Chiang Saen to Chiang Khand and Lao PDR's Luang Prabang were fluctuated above their long-term averages (LTAs) higher than last week, although no rainfall in these areas. The trends of water levels are the same for the stations from Lao PDR's Vientiane to Cambodia's Kompong Cham. The lower reaches from Cambodia's Phnom Penh at Chaktomuk to Viet Nam's Tan Chau on the Mekong River and Chau Doc on the Bassac River will experience fluctuated below their LTAs.

Water levels recorded in January and February 2019 at Luang Prabang are higher than previously recorded during these months. This cannot be attributed to higher than normal flow rates, as the water levels recorded upstream at Chiang Saen and downstream at Chiang Khan are within previously recorded ranges.

Since the Xayaburi Dam has been started to test for the commissioning unit 1-8 of its power plant from November 2018, the water level at Luang Prabang has been rising higher than its average and higher than its maximum records from January 2019 onward. It is expected that the water level at Luang Prabang will maintain its level in accordance to the normal operating level of Xayaburi Dam at the present.

#### ***For stations from Chiang Saen and Luang Prabang***

Water levels from 19 to 25 February 2019 at Chiang Saen and Luang Prabang stations were stayed above their long-term averages (LTAs). The trend from 26 February to 4 March 2019 will be gradually decreasing but stays above their LTAs.

#### ***For stations from Chiang Khan, Vientiane-Nong Khai and Paksane***

Water levels from 19 to 25 February 2019 at Chiang Khan, Vientiane, Nong Khai and Paksane were fluctuated above the LTAs. The trends will be increasing the same trends as upstream.

#### ***For stations from Nakhon Phanom to Pakse***

Water levels from 19 to 25 February 2019 at Nakhon Phanom to Pakse were also increased slightly above their LTAs. The trends will be increasing the same trends as upstream.

#### ***For stations from Stung Treng to Kratie***

Water levels from 19 to 25 February 2019 at Stung Treng to Kratie were also increased slightly above their LTAs. The trends will be increasing the same trends as upstream.

#### ***For stations from Kompong Cham, Phnom Penh to Prek Kdam***

Water levels from 19 to 25 February 2019 at Kompong Cham down to Chaktomuk and Prekdam on the Tonle Sap were stayed below their long-term averages (LTAs).

### ***Tan Chau and Chau Doc***

Water levels from 19 to 25 February 2019 at Tan Chau on the Mekong and at Chau Doc on the Bassac were fluctuated below their long-term averages (LTAs).

### **Dry season situation**

Compared to the Long-Term Averages (LTAs), last week water levels at stations from Chiang Sean to Kompong Cham of the Mekong River were fluctuating above their LTAs, except from Phnom Penh at Chaktomuk to Tan Chau and Chau Doc water levels were fluctuating below their LTAs.

For details information on water levels and rainfall at each key station are described as follows:

- Tables for observed water levels and rainfall for the last week in Annex A
- The water levels graphs showing the observed water levels for the season in Annex B

**Annex A: Graphs and Tables**

Table A1: observed water levels

Unit: m

2019	Jinghong	Chiang Saen	Luang Prabang	Chiang Khan	Vientiane	Nongkhai	Paksane	Nakhon Phanom	Mukdahan	Pakse	Stung Treng	Kratie	Kompong Cham	Phnom Penh (Bassac)	Koh Khel	Neak Luong	Prek Kdam	Tan Chau	Chau Doc
19/02/2019	-	3.77	8.99	5.56	1.28	1.80	5.03	1.81	2.13	1.44	2.83	7.84	3.48	2.21	2.16	2.08	1.26	1.35	1.55
20/02/2019	-	3.78	9.45	6.06	1.70	2.07	5.02	1.87	2.12	1.40	2.78	7.84	3.46	2.16	2.14	2.18	1.26	1.37	1.53
21/02/2019	-	3.80	9.52	6.58	2.30	2.67	5.00	1.85	2.16	1.38	2.81	7.65	3.40	2.24	2.06	1.58	1.21	1.21	1.41
22/02/2019	-	3.82	9.40	6.68	2.83	3.26	5.00	1.94	2.19	1.38	2.84	7.70	3.38	2.19	2.18	1.48	1.25	0.93	1.09
23/02/2019	-	3.82	9.32	6.68	2.83	3.56	5.00	2.18	2.32	1.39	2.82	7.79	3.44	2.25	2.35	1.50	1.28	0.39	0.37
24/02/2019	-	3.78	9.22	6.52	2.80	3.55	5.00	2.50	2.48	1.42	2.81	7.75	3.43	2.28	2.40	1.56	1.36	0.13	0.19
25/02/2019	-	3.76	9.30	6.51	2.78	3.48	4.98	2.70	2.72	1.54	2.84	7.68	3.38	2.26	2.35	1.58	1.36	0.13	0.21

Table A2: observed rainfall

Unit: mm

2019	Jinghong	Chiang Saen	Luang Prabang	Chiang Khan	Vientiane	Nongkhai	Paksane	Nakhon Phanom	Mukdahan	Pakse	Stung Treng	Kratie	Kompong Cham	Phnom Penh (Bassac)	Koh Khel	Neak Luong	Prek Kdam	Tan Chau	Chau Doc
19/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25/02/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Note: No data available from China during the Dry Season**

**Annex B: Season Water Level Graphs**

This Annex has the water level graphs of the report date. These graphs are distributed weekly by email together with the River Monitoring Bulletin.

**HYDROGRAPH AT 7 AM OF MEKONG TONLE SAP AND BASSAC AT MAINSTREAM STATIONS IN DRY SEASON FROM 19 TO 25 FEBRUARY 2019**















