



Mekong River Commission

Regional Flood Management and Mitigation Centre

Weekly Dry Season Situation Report for the Mekong River Basin

Prepared at: 22/01/2019, covering the week from 15th to 21th January 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 from upstream catchments, while at downstream part has been decreased significantly.

General behavior of the Mekong River:

From 15^h to 21th January 2019, water levels along the lower Mekong River from Thailand's Chiang Saen to Lao PDR's Luang Prabang were decreased sharply by stay above their long-term averages (LTAs). The trends were 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 experienced fluctuated around their LTAs.

For stations from Chiang Saen and Luang Prabang

Water levels from 15^h to 21th January 2019 at Chiang Saen and Luang Prabang stations decreased sharply by stay above their long-term averages (LTAs), after an abnormal rainfall in this catchment from 9 to 10 January 2019.

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

The same trends were observed from 15^h to 21th January 2019 at Chiang Khan, Vientiane, Nong Khai and Paksane, but water level still stay over their LTAs.

For stations from Nakhon Phanom to Pakse

Water levels from 15^h to 21th January 2019 at Nakhon Phanom to Pakse were also slightly decreased after rising due to the inflows from upstream. However water levels were stay above their LTAs.

For stations from Stung Treng to Kratie

Water levels from 15^h to 21th January 2019 at Stung Treng to Kratie were increased significantly and stay over their LTAs.

For stations from Kompong Cham, Phnom Penh to Prek Kdam

Water levels from 15^h to 21th January 2019 at Kompong Cham was increased above LTA, but from Chaktomuk on the Bassac River and Prekdam on the Tonle Sap River were stayed below their long-term averages (LTAs).

Tan Chau and Chau Doc

Water levels from 15^h to 21th January 2019 at Tan Chau on the Mekong and at Chau Doc on the Bassac were fluctuated around their long-term averages (LTAs).

Dry season situation

Compared to the Long-Term Averages (LTAs), water levels at stations from Chiang Saen to Kompong Cham of the Mekong River were fluctuating above their LTAs, except from 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
15/01/2019	-	3.28	10.18	8.24	4.80	5.70	5.00	3.61	3.29	1.98	3.25	8.47	3.94	2.77	2.74	2.16	2.74	0.85	0.93
16/01/2019	-	3.06	9.44	7.64	4.34	5.32	5.01	4.12	3.75	2.14	3.23	8.66	4.02	2.72	2.68	2.18	2.68	0.89	0.93
17/01/2019	-	2.92	9.04	7.06	3.88	4.47	5.01	4.30	4.07	2.25	3.25	8.57	4.08	2.85	2.69	2.32	2.69	1.05	1.12
18/01/2019	-	2.73	9.21	6.72	3.48	4.15	5.00	4.17	4.14	2.80	3.33	8.59	4.10	2.77	2.69	2.42	2.69	1.24	1.34
19/01/2019	-	2.66	9.29	6.36	3.01	3.76	5.00	3.86	4.00	3.01	3.51	8.74	4.14	2.84	2.78	2.52	2.78	1.38	1.50
20/01/2019	-	2.68	8.92	6.04	2.78	3.42	5.00	3.65	3.77	3.04	3.65	8.91	4.32	2.89	2.79	2.60	2.79	1.56	1.70
21/01/2019	-	2.61	8.64	5.86	2.48	3.13	5.00	3.26	3.51	2.90	3.71	9.11	4.55	2.96	2.88	2.66	2.88	1.76	1.89

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
15/01/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16/01/2019	-	0	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17/01/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.3	5
18/01/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1.2	0	6.7	7
19/01/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20/01/2019	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21/01/2019	-	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 15 TO 21 JANUARY 2019













