

InterRisk Thai Flood Report <2017 No.5>

Thailand's Current Water Situation

Summary

The water levels in the main dams are much lesser than their full capacities. The water level in Chao Phraya river is normal except in Bangban and Pongpeng canal where it is usually flooded. There will be rainfall almost all the country in next week due to the influence from the monsoon wind and tropical storm. There have been floods in many provinces such as Nakhon Sawan and Sakolnakorn.

RID news: http://water.rid.go.th/news/news_60_181.htm

The amount of water in large and medium size dams now is around 56% which is higher than last year. There were floods in Lopburi Province near Chainat-Pasak canal, Ayutthaya Province, Sakolnakorn Province, Singburi Province, Chainat Province and Nakhon Sawan Province near Chainat-Pasak canal.

The RID has prepared 2,193 of water pumps to support and help agricultural areas, by 150 pumps have already been installed in several provinces in the north, northeast, east and central regions.

Forecast: https://www.tmd.go.th/7-day_forecast.php

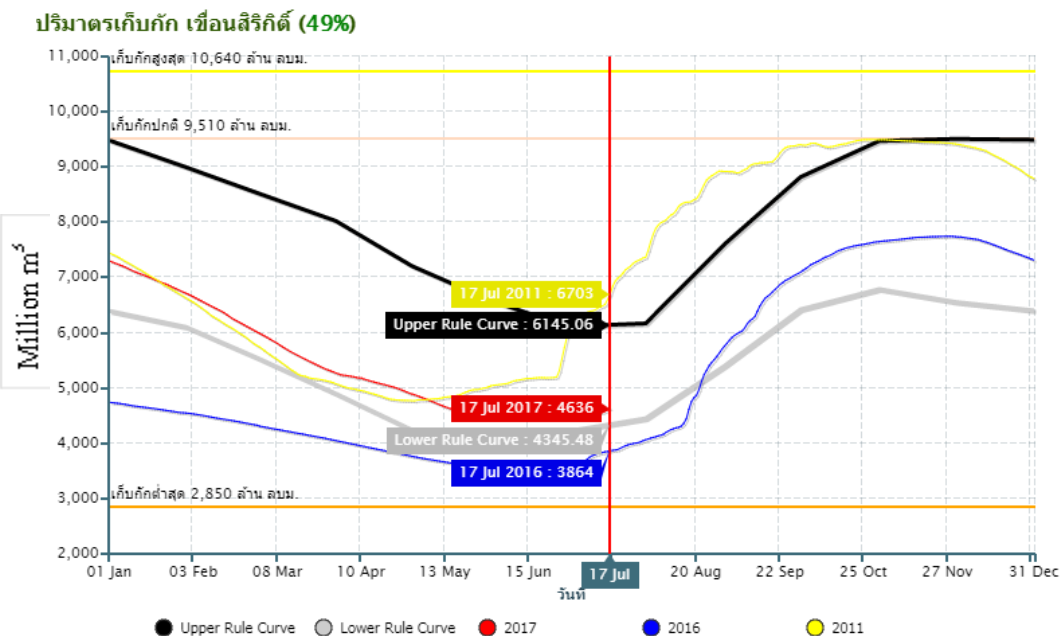
From 19th, the monsoon wind set across the upper north and northeast, together with the stronger southwest monsoon result in rainfall almost all over the country and will be heavy in many areas from 17-19th. The wave in Andaman and upper Thai Gulf is 2-3 meters high.

Flood events: <http://www.thairath.co.th>

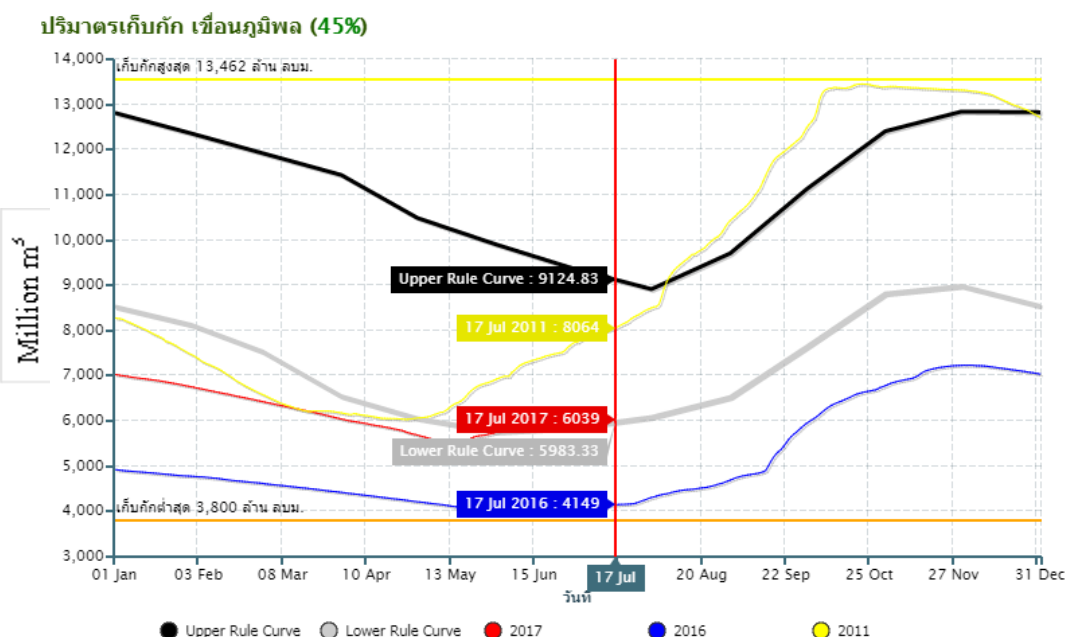
Flood incidents during the past week:

- 10th July, 2017: Heavy rain destroyed the soil ridge of the canal causing the water to flood over the rice fields in 2 Sub-districts in Nakhon Sawan Province.
- 11th July, 2017: Several hours of raining caused 30-50cm high flood in Pattaya City.
- 12th July, 2017: The water level in Nong-Harn lake in Sakolnakorn Province became nearly critical. The water was drained into 2 Sub-Districts causing more than 1 rai of flooding.
- 12th July, 2017: Continuous rainfall all night caused 15cm high flood on the road of Nongyang community in Sri Saket Province.
- 12th July, 2017: An hour of heavy rain in Prachinburi Province, causing 30-50cm high floods on several area of the main road, connected to Srakaew Province, in Kabinburi District.
- 13th July, 2017: The Chao Phraya dam speeded up releasing water from the north and warn the areas at the end of the dam to prepare for any flood situations.
- 13th July, 2017: Gradually rising of the Chao Phraya river now impacted 2 Districts (Pa Mok and Wiset Chaichan) of Angthong Province.
- 17th July, 2017: Rising of the Chao Phraya river level, causing the residents in Nakhon Sawan Province to prepare for the flood situation if there is another rain coming to the area.

Storage level Sirikit Dam



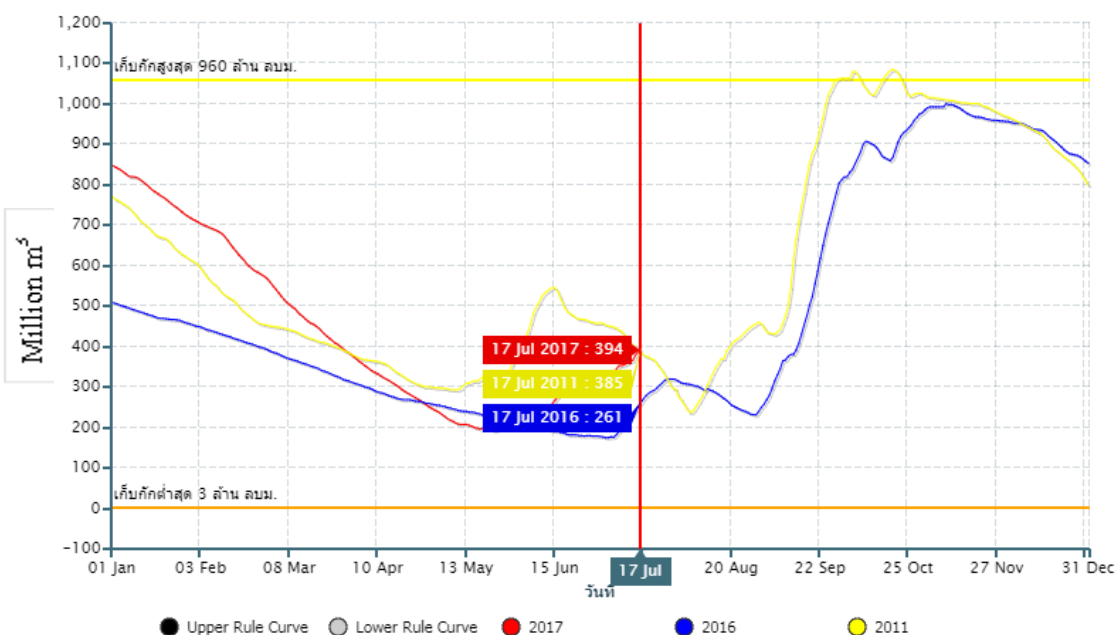
Storage level Bhumibol Dam



Amount of water stored is at approximately 50% at the early rainy season. Amount of water in both major dam is increasing. However, the amount of water has not exceeded the upper rule curve and 2011 water storage level.

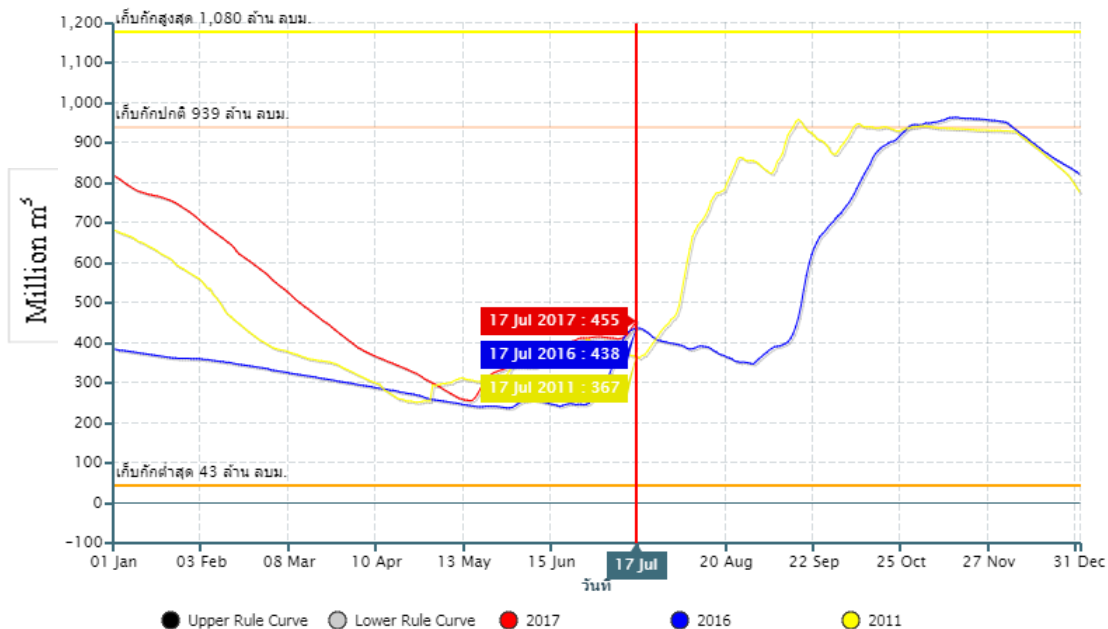
Storage level Pasak Dam

ปริมาณเก็บกัก เขื่อนป่าสักฯ (41%)



Storage level Kwaenoi Dam

ปริมาณเก็บกัก เขื่อนแควน้อย (48%)



The water stored this year is much higher than the last year and is now exceeding the water level in 2011. There are still more than half of its capacity. However, it is recommend to monitor the situation.

The Upper Chao Phraya River Flow

The overall water levels in all rivers and dams are at quite low level.



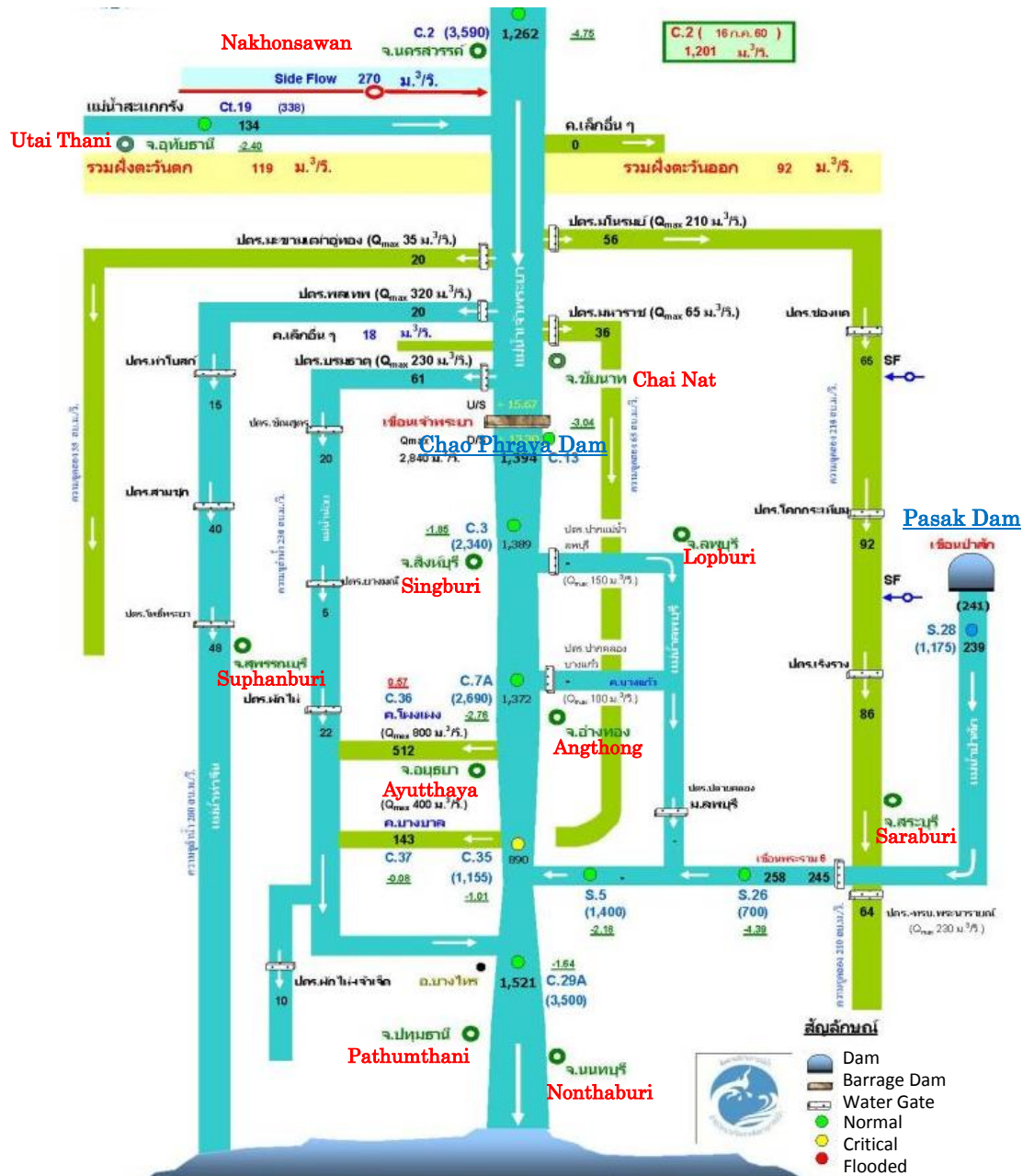
The Lower Chao Phraya River Flow

Overall, the water flow rate at the Chao Phraya River is normal. Except in Bang ban and Pongpeng canal where is usually flooded. The incoming water is at normal capacity.

Water Situation in the Chao Phraya River

17th July 2017

6:00 a.m.



Note: - Numbers in black indicate the flow rate of water in m³/sec.
 - Numbers in bracket indicate the storage level of water in m³/sec.
 - Numbers with underline indicate higher (+) or lower (-) of water level than the river bank in meters.

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References

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http://water.rid.go.th/flood/plan_new/planup.html

<http://floodlist.com/asia/thailand-floods-reported-14-provinces-3-dead-nakornsawan>

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