



ལྷན་ཁོངས་ཚུ་དབྱེད་དང་གནམ་གཤིས་རིག་པའི་ལྷན་ཁུངས་

National Center for Hydrology and Meteorology Thimphu: Bhutan



FLOOD OUTLOOK UPDATE #43(01)

Issue date: 21st June, 2019.

Time: 15:00 hours (valid till the next issuance)

1. WEATHER FORECAST:

According to weather forecast for the next 24 hours issued at 1600 hours on 20th June, 2019:

The weather conditions over the country is likely to be mostly cloudy with light rain at isolated places accompanied by thunderstorms over the southern and eastern parts of the country.

2. OBSERVATION AND MONITORING at THORTHORMI LAKE

The rise in water level was detected by the Thorthormi GLOF EWS remote monitoring station and was reported to Flood Monitoring and Command Room at 1900 hours (07:00PM) on June 20, 2019. The water level increased from 6.55m at 18:05 to 8.04m at 19:20 and receded to 5.36m at 22:40. The water level first increased and receded below normal that is a typical GLOF scenario as per our GLOF EWS System logic.

With this situation, NCHM has intensified the monitoring of the situation. The field observers stationed at Thanza (Lunana) were deputed for field verification and reported at 12.08AM, June 21 that subsidiary lakes 1&2(as shown in fig 1 below) were fully drained out.

Since then, the situation is and will be continuously remotely monitored rigorously and simultaneously field verified as long as the situation stabilizes. As of 1400hours on June 21, the water level reading of more or less 5.30m shows negligible changes as reported by Thorthormi AWLS.

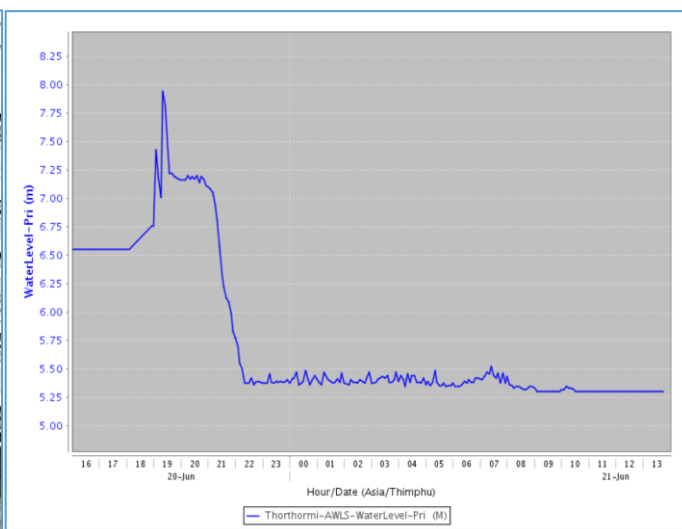
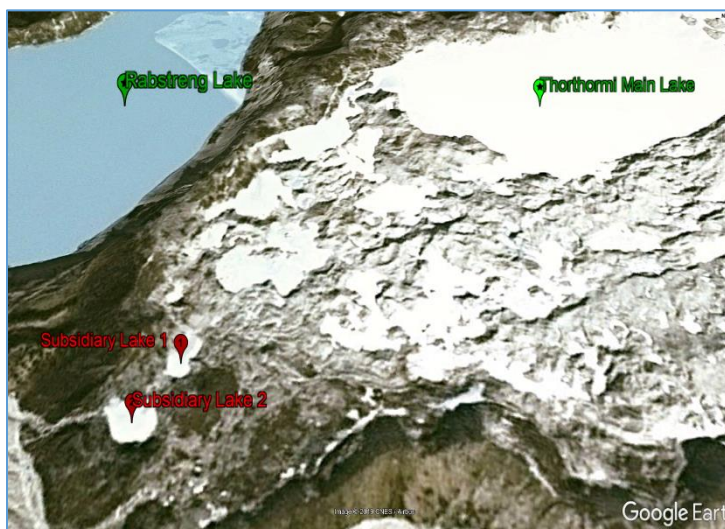


Figure 1: Location of subsidiary lakes 1 and 2

Figure 2: Hydrograph of Thorthormi Station till 1300hrs June 21, 2019

As reported by the field observers, today is a clear sunny day as usual.

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3. GLACIER LAKE OUTBURST FLOOD (GLOF) EARLY WARNING SYSTEM:

Even though the water level at GLOF EWS remote stations downstream viz. Thanza AWLS has seen some rise during the event, it has since then dropped to normal and no significant changes are reported as of 1400hours.

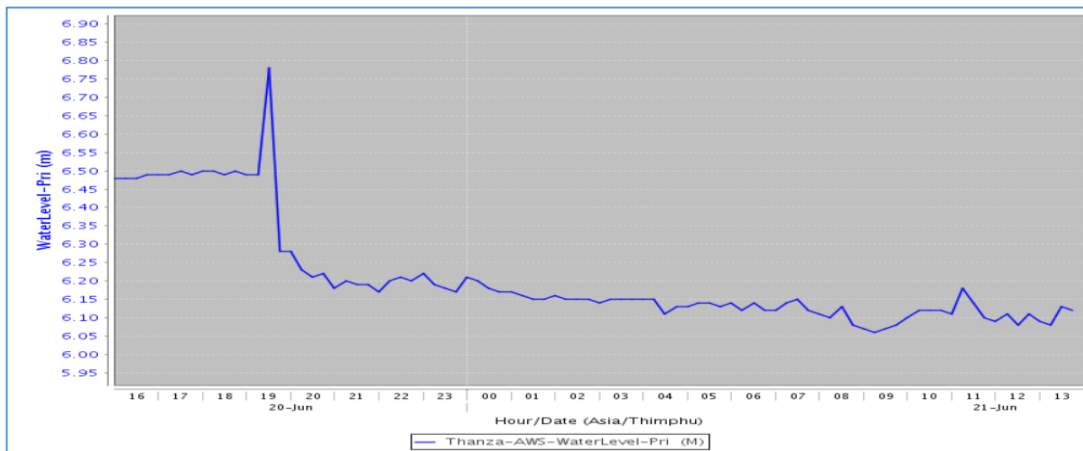


Figure 3: Flood hydrograph (Thanza) till 1200 hours, 21 June

4. IMPACT/ADVISORY:

People living along the Phochu River and downstream are requested to be vigilant despite insignificant changes and drop in water levels.

The situation is being closely monitored and if any significant changes arise, NCHM will alert the relevant stakeholders as per existing protocol.

The daily water level is updated on the website: www.nchm.gov.bt and may also be referred at Facebook: <https://www.facebook.com/NationalCenterforHydrologyandMeteorology/>

For further information contact:

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