

Blind River GS Monthly Report – July 2021

Production

Unit 1 was off for the whole month of July but unit 2 was started on July 30th and it produced 857 kWh.

Downtime

Both units were shut down at the end of May and kept off until July 30th. The MNR pulled logs at the Matinenda dam on July 29th so we had extra water to run through the units.

Maintenance

- Over 50 hours onsite for cleaning the trash rack, adjusting mechanical gate, and headgate manipulation.
- General cleaning was performed regularly, including disinfecting of high touch points.

Other Issues

On July 31st at 3:30 am we received a call from ATS alarms about the high water alarm going off. Upon investigation it was discovered that the packing in unit #1 was leaking badly and the sump pump had failed .

This caused flooding on the generator floor. We installed a new sump pump and drained out the water. Later on that day we dropped, jacked, and sealed the headgate to stop the leakage. This will give us time to get the packing tightened properly before starting unit 1 again.

As noted in previous reports there is a significant leak under the logs in the bay closest to the mechanical gate. The MNR was out to inspect and advised us to seal the logs better until we can pull all of the logs in the spring. MNR secured the item they believe is causing the leak, and want us to pull it as we pull the logs in the spring.

As noted in previous reports, there is also a leak in the mechanical gate. The MNR was out to inspect the gate and they advised us that the obstruction appears to be a rock and that it should clear over time.

Water Management

During this month, the Target Water Level range was from 0.60 to 0.66 and the Compliance Water Level range was from 0.60 to 0.66. We are to stay within these levels from June 1st to September 30th. We did keep the river slightly higher than 0.66 to make sure that we would still have enough water to compensate for the leakage, especially as it has been so dry.

We received no water level complaints in June.

Figure 1 is a graph of the water level from June 1st to June 30th.

Figure 2 is the chart with the exact water levels and number of logs out (or equivalent).

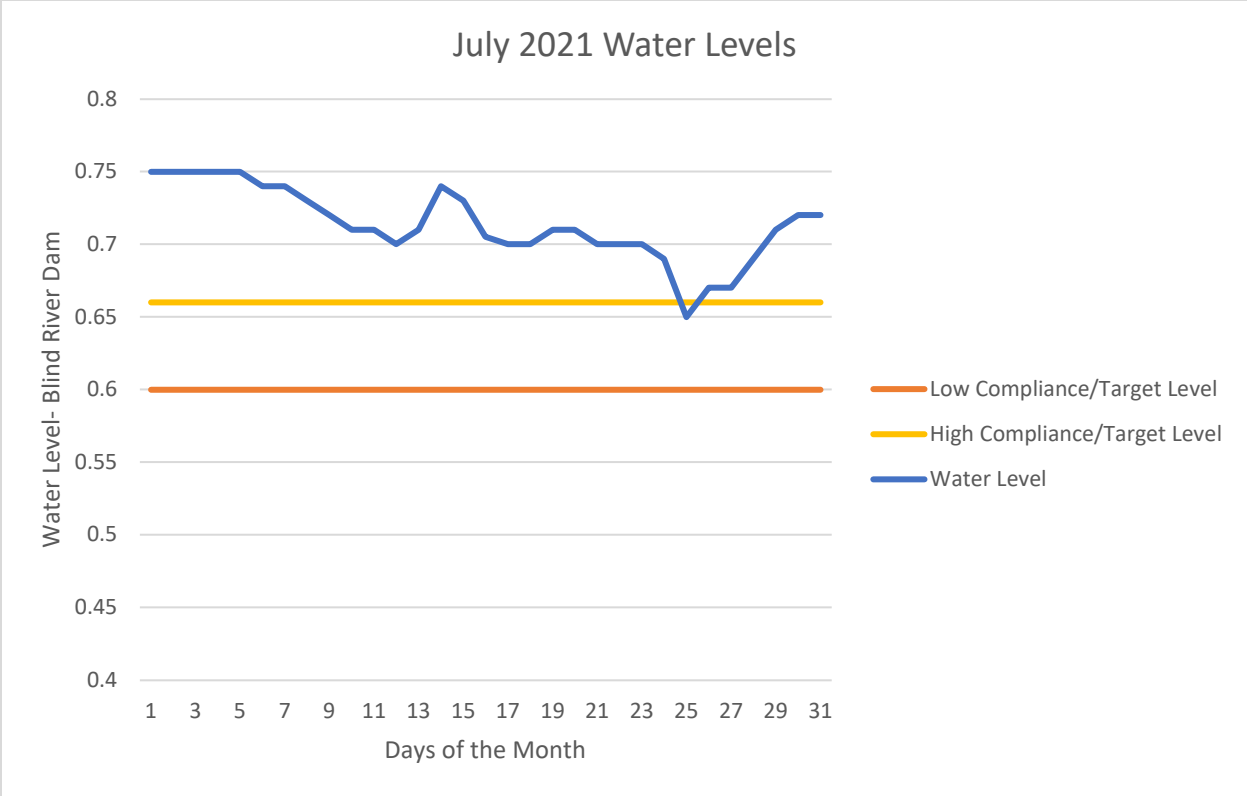


Figure 1: Water Level Graph

2021 MONTHLY WATER LEVEL LOG

Generating Station: Town Dam		Month: July		
WMP Compliance Range:			.60 to .66 mStaff	
Date	Water Level	Ruler	Logs Out & Equivalent Flow	Comments/Actions
July 1, 2021	0.75	557	1	
July 2, 2021	0.75	557	1	
July 3, 2021	0.75	557	1	
July 4, 2021	0.75	557	1	
July 5, 2021	0.75	557	1	
July 6, 2021	0.74	557	1	
July 7, 2021	0.74	557	1	
July 8, 2021	0.73	557	1	
July 9, 2021	0.72	557	1	
July 10, 2021	0.71	557	1	
July 11, 2021	0.71	557	1	
July 12, 2021	0.7	557	0	Forecasting 10-15mm rain tomorrow
July 13, 2021	0.71	557	1	Forecast for today updated at 11:23 AM to a Special Weather Statement to include 25-50mm
July 14, 2021	0.74	557	2	
July 15, 2021	0.73	557	2	
July 16, 2021	0.705	557	0	
July 17, 2021	0.7	557	0	
July 18, 2021	0.7	557	0	
July 19, 2021	0.71	557	0	
July 20, 2021	0.71	557	0	
July 21, 2021	0.7	557	0	
July 22, 2021	0.7	557	0	
July 23, 2021	0.7	557	0	
July 24, 2021	0.69	557	2	30-50mm+ forecasted today.
July 25, 2021	0.65	Dam	0	
July 26, 2021	0.67	557	0	
July 27, 2021	0.67	557	0	
July 28, 2021	0.69	557	0	
July 29, 2021	0.71	557	0	
July 30, 2021	0.72	557	2	Turned one unit on. Water flowing from upstream and more rain is forecasted.
July 31, 2021	0.72	557	2	

Figure 2: Water Level Chart