

Blind River GS Monthly Report – June 2021

Production

Both units have been shut off since May 31st. But we turned them on for a couple hours to make sure the updated program was working correctly. Unit 1 produced 196 kWh while unit 2 produced 16.7 kWh.

Downtime

Both units were shut down at the end of May for the summer.

Maintenance

- Over 75 hours onsite for cleaning the trash rack, greasing, adjusting mechanical gate, and installing the burlap plug in bay 4.
- General cleaning was performed regularly, including disinfecting of high touch points.

Other Issues

There is still a significant leak under the logs in the bay closest to the mechanical gate. MNR came out to inspect the logs. They were able to spot something on the sill in a dead zone that is stuck under the bottom log. They secured a rope around it for removal when water levels allow it. To slow the water leak, they authorized us to install a burlap plug in the bay.

There is also a leak in the mechanical gate. The gate was opened and closed to see if there was something stuck in the gate, however, the leak did not go away. The MNR was notified. While at the dam inspecting the bay 4 leak with the underwater camera they have, they also inspected the mechanical gate. They found a rock in the hinge at the bottom of the gate that is causing the gate to shift ever so slightly. This is leaving a small gap towards the top and is causing the leak. If it does not come out during freshet, MNR may have to seek additional help to clear the debris.

The SCADA program reset to its factory default settings after the RGM install. It took awhile with Gedowin Nova to figure out exactly what happened and to get the Blind River program back. The unit was reprogrammed in June.

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 are sitting above the limit to try to conserve water due to the hot weather and leaks in the dam. We have notified the MNR of the same. 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).

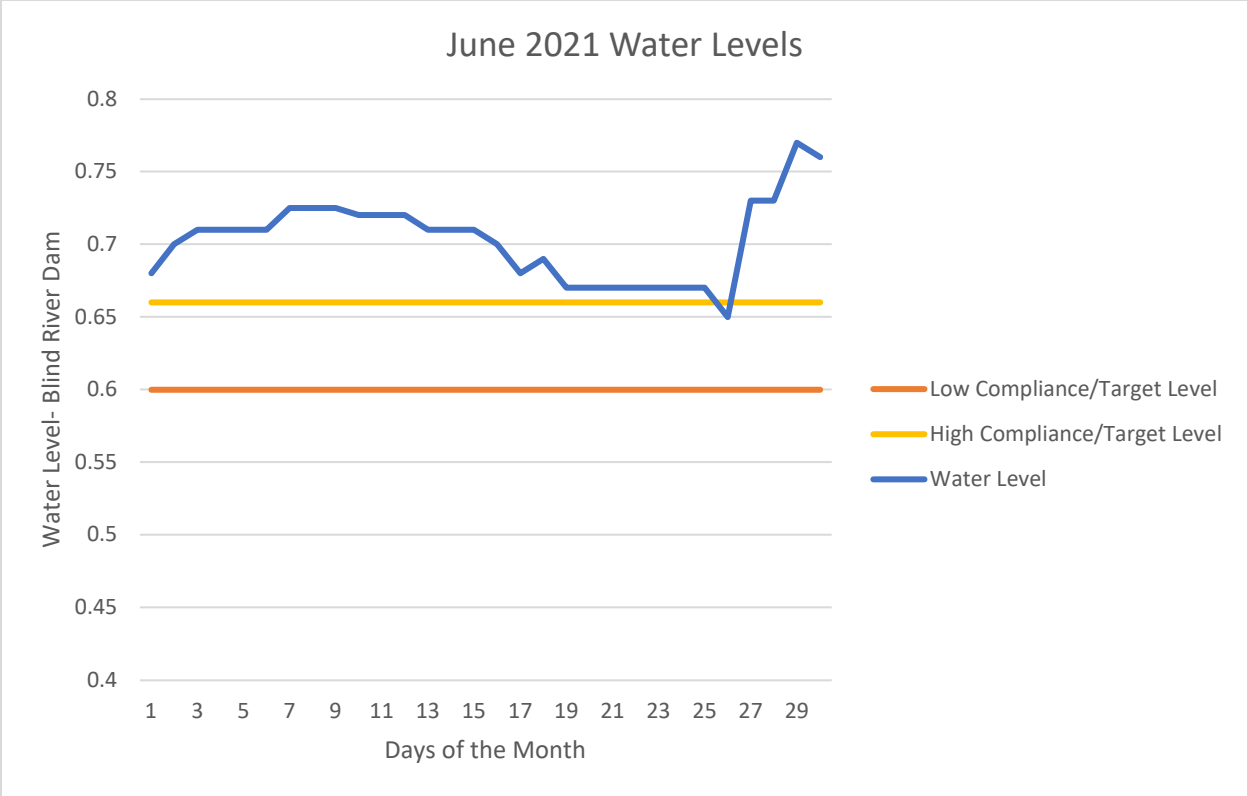


Figure 1: Water Level Graph

2021 MONTHLY WATER LEVEL LOG

Generating Station:	Town Dam		Month:	June
			WMP Compliance Range:	.60 to .66 mStaff
Date	Water Level	Ruler	Logs Out <small>& Equivalent Flow</small>	Comments/Actions
June 1, 2021	0.68	557	0	
June 2, 2021	0.7	557	0	
June 3, 2021	0.71	557	0	
June 4, 2021	0.71	557	0	
June 5, 2021	0.71	557	0	
June 6, 2021	0.71	557	0	
June 7, 2021	0.725	557	0	
June 8, 2021	0.725	557	0	
June 9, 2021	0.725	557	0	
June 10, 2021	0.72	557	0	
June 11, 2021	0.72	557	0	
June 12, 2021	0.72	557	0	
June 13, 2021	0.71	557	0	
June 14, 2021	0.71	557	0	
June 15, 2021	0.71	557	0	
June 16, 2021	0.7	557	0	
June 17, 2021	0.68	557	0	
June 18, 2021	0.69	557	0	
June 19, 2021	0.67	557	0	
June 20, 2021	0.67	557	0	
June 21, 2021	0.67	557	0	
June 22, 2021	0.67	557	0	
June 23, 2021	0.67	557	0	
June 24, 2021	0.67	557	0	
June 25, 2021	0.67	557	0	
June 26, 2021	0.65	557	0	
June 27, 2021	0.73	557	0	
June 28, 2021	0.73	557	0	Tried to seal up logs a bit more.
June 29, 2021	0.77	557	0	
June 30, 2021	0.76	557	0	

Figure 2: Water Level Chart