

Blind River GS Monthly Report – January 2022

Production

Unit #1 (to Town Hall):

RGM: 00.00 kWh

RGM = Revenue Grade Meter

Unit #2 (to STP):

RGM: 27,970 kWh

Downtime

Unit #1 was down for the month.

Unit #2 was offline for 3 days from January 1st to 3rd.

Maintenance

37 hours onsite for regular maintenance service, and over 25 hours of on call coverage.

- A summary of the work completed includes: Adjusting belt on unit #2, shovelling and ice chipping, mechanical gate adjustment, and daily checks that include sweeping, level recording, and trash rack cleaning.
- Monthly Alarm testing was completed on January 6th.
- General cleaning was performed regularly, including disinfecting of high touch points and shared equipment and tools.

Repair Work

Unit #1:

- None completed. Waiting for arrival of digital scale to weigh the headgate to ensure proper support is built for new hoisting rig.

Unit #2:

- None required.

Other Issues

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. They noted that they do not want us to pull the bottom log once properly sealed on a go forward unless we have their permission. There is a dead zone above the sill that debris can land on and the flowing water is unable to clear it.

Also noted in previous reports, there is 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 (expected to clear with freshet when gate is opened all the way). It will be reinspected after freshet.

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 0.71. We are to stay within these levels from January 1st to January 31st.

On January 10th and 31st, we were only in compliance on the Town Dam ruler, but the 557 was only 1-2 cm over for the day.

Other than the above two days, we remained in compliance for the month of January.

Figure 1 is a graph of the water level from January 1st to January 31st.

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

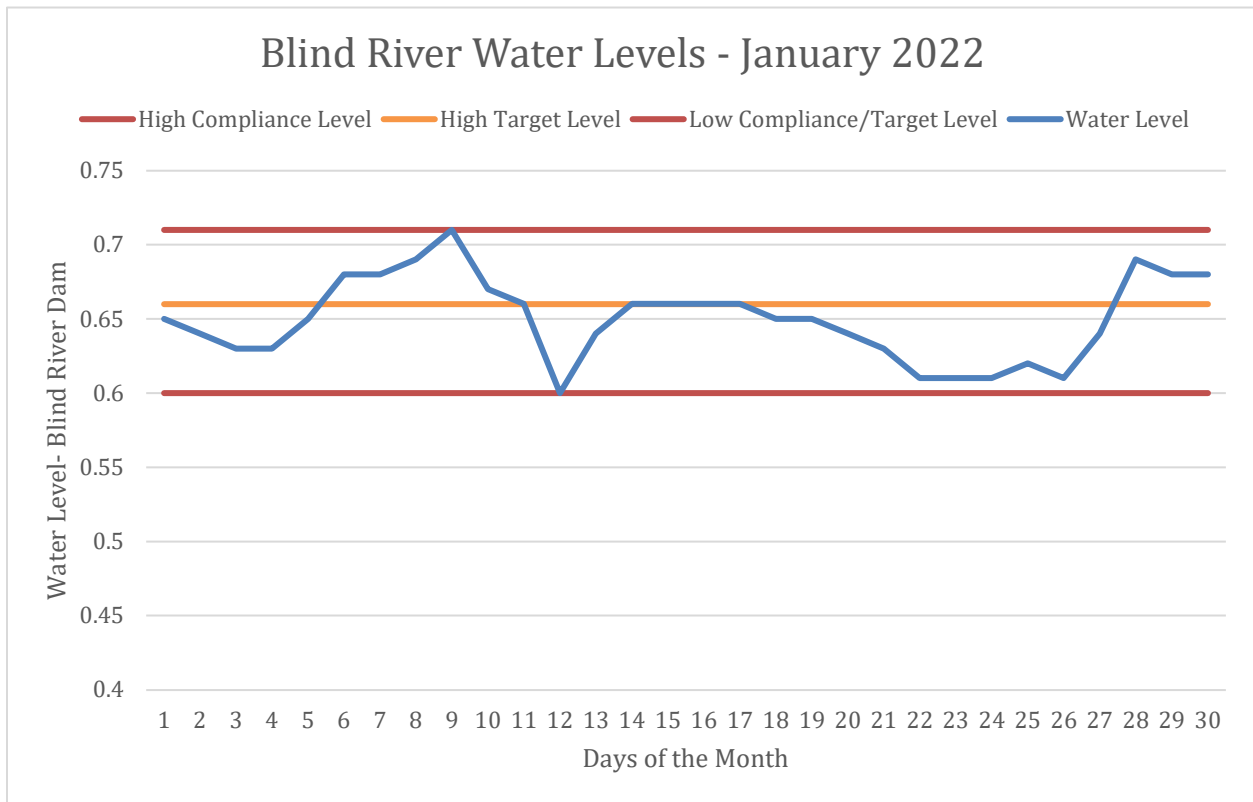


Figure 1: Water Level Graph

2022 MONTHLY WATER LEVEL LOG

Generating Station:	Town Dam		Month:	January
			WMP Compliance Range:	.60 to .71 mStaff
Date	Water Level	Ruler	Logs Out & Equivalent Flow	Comments/Actions
January 1, 2022	0.65	557	3.5	
January 2, 2022	0.64	557	3.5	
January 3, 2022	0.63	557	3.5	
January 4, 2022	0.63	Dam	3	
January 5, 2022	0.65	557	3	
January 6, 2022	0.68	Dam	3	
January 7, 2022	0.68	557	4.5	same at both rulers
January 8, 2022	0.69	557	4.5	
January 9, 2022	0.71	Dam	6	
January 10, 2022	0.67	Dam	8	.73 at 557
January 11, 2022	0.66	557	6	
January 12, 2022	0.6	Dam	6	
January 13, 2022	0.64	557	6	
January 14, 2022	0.66	557	6	
January 15, 2022	0.66	557	6	
January 16, 2022	0.66	557	6	

January 17, 2022	0.66	557	6	
January 18, 2022	0.65	557	6	
January 19, 2022	0.65	557	6	
January 20, 2022	0.64	557	6	
January 21, 2022	0.63	557	6	
January 22, 2022	0.61	557	6	
January 23, 2022	0.61	557	6	
January 24, 2022	0.61	557	4.5	
January 25, 2022	0.62	557	4.5	
January 26, 2022	0.61	557	3	
January 27, 2022	0.64	557	3	
January 28, 2022	0.69	557	4.5	
January 29, 2022	0.68	557	2.5	
January 30, 2022	0.68	557	2.5	
January 31, 2022	0.69	Dam	3.5	557 at .72

Figure 2: Water Level Chart