



## Blind River GS Monthly Report – August 2021

### Production

Unit #1 (to Town Hall):

RGM: 0.00 kWh

PLC: 0.00 kWh

*RGM = Revenue Grade Meter*

Unit #2 (to STP):

RGM: 15,716 kWh

PLC: 25,524.3775 kWh

*PLC: Using Control Grade Meters (Protection)*

We have included both the SCADA control grade meter readings and the new revenue grade meter readings in this report, for comparison. In 1996, it was estimated that the units were capable of producing 300,000 kWh combined each year. As the Revenue Grade Meters were not working properly for the first month after their installation and required modification with SolarVu, we will begin RGM monitoring from July 1, 2021 to track the progress.

### Downtime

Unit #1 was off for the month.

Unit #2 was online for all of August, except for a couple days due to either power outage or low water, plus a few hours for regular maintenance.

### Maintenance

- Over 55 hours for on call coverage, and onsite for on cleaning the trash rack, adjusting mechanical gate, and headgate manipulation.
- General cleaning was performed regularly, including disinfecting of high touch points and shared equipment and tools.
- Monthly Alarm testing was completed on August 30<sup>th</sup>.

### Other Issues

On August 9<sup>th</sup>, after verifying alignment and tightening the packing on unit #1, we were ready to raise the head gate and start up. While trying to raise the headgate, the hoisting chain broke.

As this had previously occurred, we began to investigate a means to weigh the headgate while sealed and under force of the river to determine if we needed to increase the capacity of our hoisting rigs.

We made plans to meet up with our contractor to replace the hoisting equipment and obtain quotes for a new setup. The meetings had to be pushed back.

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.

If the water levels allow this to occur sooner this fall, we may do so.

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 (expected to clear with freshet when gate is opened all the way).

## 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 1<sup>st</sup> to September 30<sup>th</sup>. 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. The beginning of August we found ourselves with more water than anticipated, but as the upstream flow slowed down, that quickly dropped. From the middle to the end of August, we hovered at or just above compliance.

We received no water level complaints in August.

Figure 1 is a graph of the water level from August 1<sup>st</sup> to August 31<sup>st</sup>.

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

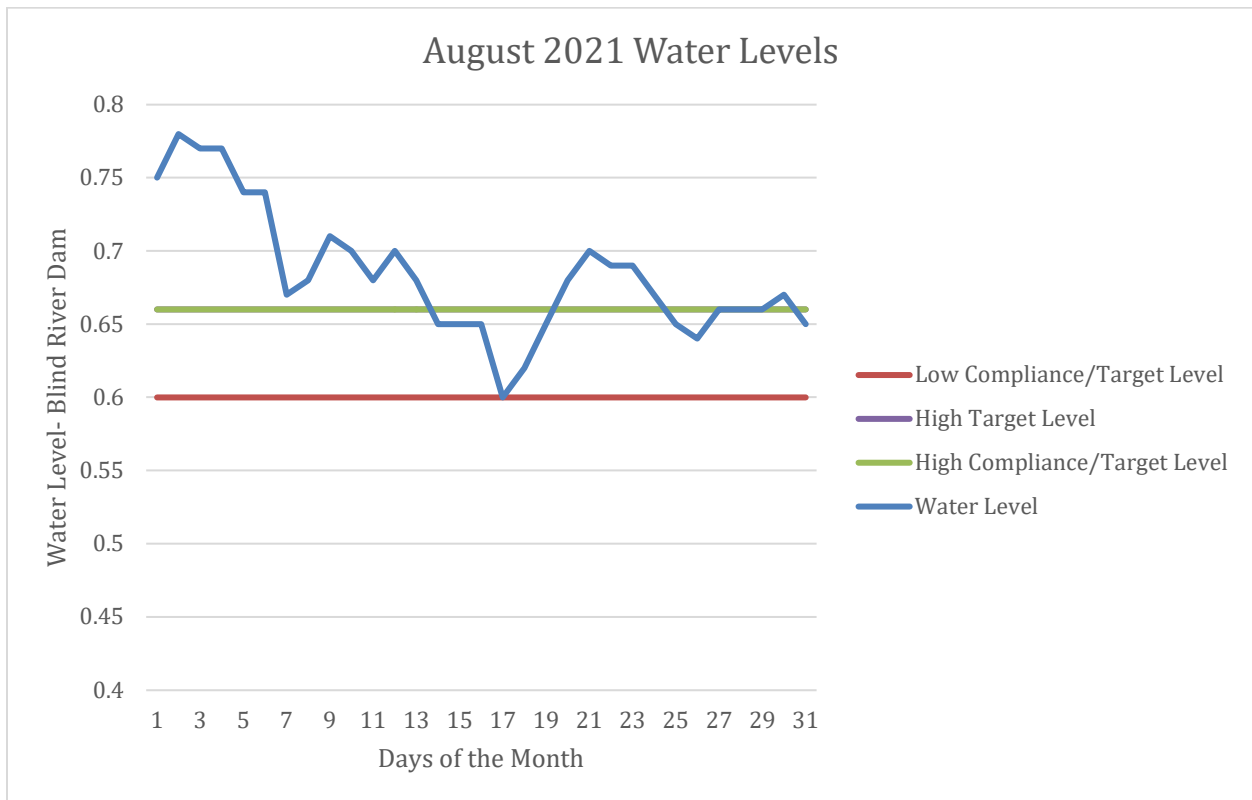


Figure 1: Water Level Graph

# 2021 MONTHLY WATER LEVEL LOG

<b>Generating Station:</b>	<b>Town Dam</b>		<b>Month:</b>	<b>August</b>
			WMP Compliance Range:	.60 to .66 mStaff
				Sitting high due to leak under logs in 4th bay
<b>Date</b>	<b>Water Level</b>	<b>Ruler</b>	<b>Logs Out &amp; Equivalent Flow</b>	<b>Comments/Actions</b>
August 1, 2021	0.75	557	2	
August 2, 2021	0.78	557	4	
August 3, 2021	0.77	557	4	
August 4, 2021	0.77	557	5	
August 5, 2021	0.74	557	4	
August 6, 2021	0.74	557	5	
August 7, 2021	0.67	557	5	
August 8, 2021	0.68	557	5	
August 9, 2021	0.71	557	6	
August 10, 2021	0.7	557	6	
August 11, 2021	0.68	557	5	
August 12, 2021	0.7	557	5	
August 13, 2021	0.68	557	6	
August 14, 2021	0.65	557	6	
August 15, 2021	0.65	557	5	
August 16, 2021	0.65	557	5	

August 17, 2021	0.6	557	2	
August 18, 2021	0.62	557	0	
August 19, 2021	0.65	557	0	
August 20, 2021	0.68	557	4	
August 21, 2021	0.7	557	4	
August 22, 2021	0.69	557	4	
August 23, 2021	0.69	557	4	
August 24, 2021	0.67	557	5	
August 25, 2021	0.65	557	5	
August 26, 2021	0.64	557	3.5	
August 27, 2021	0.66	557	5	
August 28, 2021	0.66	557	5	
August 29, 2021	0.66	557	5	
August 30, 2021	0.67	557	6	
August 31, 2021	0.65	557	4	

Figure 2: Water Level Chart