

# Blind River GS Monthly Report – April 2023

## Production

Unit #1 (to Town Hall):

RGM: 00.00 kWh

*RGM = Revenue Grade Meter*

Unit #2 (to STP):

RGM: 6,533 kWh

## Downtime

Unit #1 was down for the month.

Unit #2 was offline for 16 days this month due to low head level at the dam from all logs being removed during freshet.

## Maintenance

Over 64 hours onsite for regular maintenance service, and over 22 hours of on call coverage. A summary of the work completed includes:

- Alarm testing was completed on the 3<sup>rd</sup>.
- Recorded water temps a minimum of 3 times per week as required by the WMP during this time.
- Daily checks consisting of daily measurements and records, trash rack cleaning, observations, etc.
- Stayed in communication with TBR directly in addition to usual reporting to communicate freshet updates for water levels and log adjustments.
- Unit 2 down for second half of month, so greasing moved to May.

## Repair Work

None completed. Focused on freshet and water management.

## 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 0.76. We are to stay within these 6cm from April 1<sup>st</sup> to May 31<sup>st</sup>.

Due to freshet and accelerated thaw from hot temps over a few days mid-month, we completed the month with 14 days where we were not in compliance. Given the speed and amount of water with freshet, we were still able to spread out the high water as much as we could which provided the lower end time to begin declining before upstream water made its way down as well.

Figure 1 is a graph of the water level from April 1<sup>st</sup> to 30<sup>th</sup>.

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

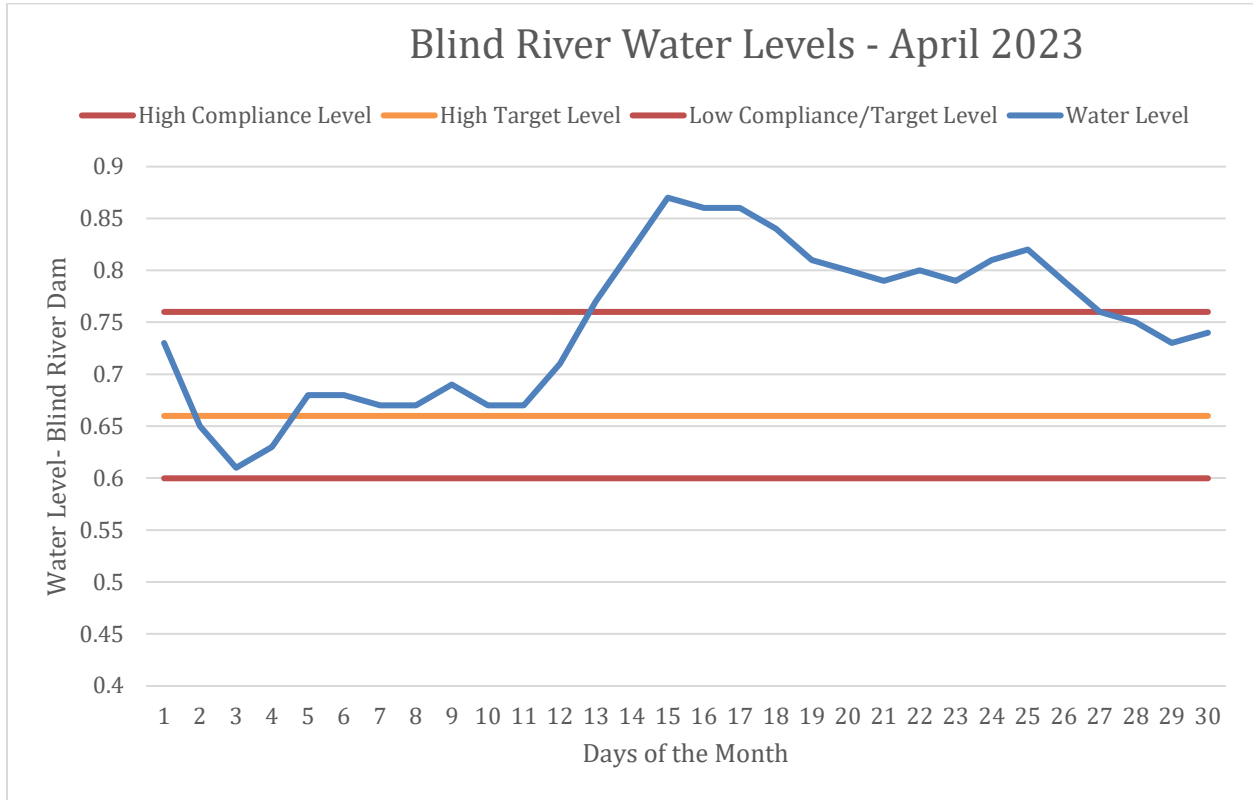


Figure 1: Water Level Graph

<b>Generating Station:</b>	<b>Town Dam</b>		<b>Month:</b>	<b>April</b>	
			WMP Compliance Range:	.60 to .76 mStaff	
<b>Date</b>	<b>Water Level</b>	<b>Ruler</b>	<b>Logs Out &amp; Equivalent Flow</b>	<b>Comments/Actions</b>	<b>Water Temp - Celsius</b>
April 1, 2023	.71-.75	557	12.5	wavy from wind	
April 2, 2023	0.65	557	13.5		

April 3, 2023	0.61	557	11	drawing down for freshet	4
April 4, 2023	0.63	Dam	11.5		5
April 5, 2023	0.68	557	10.5		5
April 6, 2023	0.68	557	14		4
April 7, 2023	0.67	557	14		
April 8, 2023	0.67	557	14		
April 9, 2023	0.69	557	17		
April 10, 2023	0.67	557	18		
April 11, 2023	0.67	557	19		
April 12, 2023	0.71	557	23		0.1
April 13, 2023	0.77	557	27		0
April 14, 2023	0.82	557	27	hotter than forecasted by over 10C which is increasing rate of thaw	0
April 15, 2023	0.87	557	33	continued heat drastically increasing run off. slowing upstream flow down to try to share the runoff, but will continue to come	
April 16, 2023	0.86	557	33		
April 17, 2023	0.86	557	33		-2
April 18, 2023	0.84	557	33	all logs out, turbines off (head too low)	0
April 19, 2023	0.81	557	33		2
April 20, 2023	0.8	557	33		
April 21, 2023	0.79	557	33	steady decline as more water expected from upstream	
April 22, 2023	0.8	557	33		
April 23, 2023	0.79	557	33		
April 24, 2023	0.81	557	33		
April 25, 2023	0.82	557	33		-1
April 26, 2023	0.79	557	33	declining again as more water coming from upstream	

April 27, 2023	0.76	557	33		0
April 28, 2023	0.75	557	33		0
April 29, 2023	0.73	557	33		
April 30, 2023	0.74	557	33		

Figure 2: Water Levels