

Houle, Brian (Crofton)

From: Houle, Brian (Crofton)
Sent: Tuesday, July 23, 2024 1:09 PM
To: Houle, Brian (Crofton)
Subject: Cowichan Watershed Update: July 23, 2024

Good afternoon everyone,

The lake level is now at 81% full and continues to show predicted rate of drop at controlled flow of 7.08 cms.

The lake level trend has been revised to illustrate what we can expect in coming few months of dry summer weather.

The pink dashed (sloped line) is the rule curve that was in place prior to 2013 and represents the expected rate of decline in lake level, 1 cm drop each day.

In 2013, province revised the rule curve to have it begin to decline on July 31 while the previous license required lake level decline to begin on July 9.

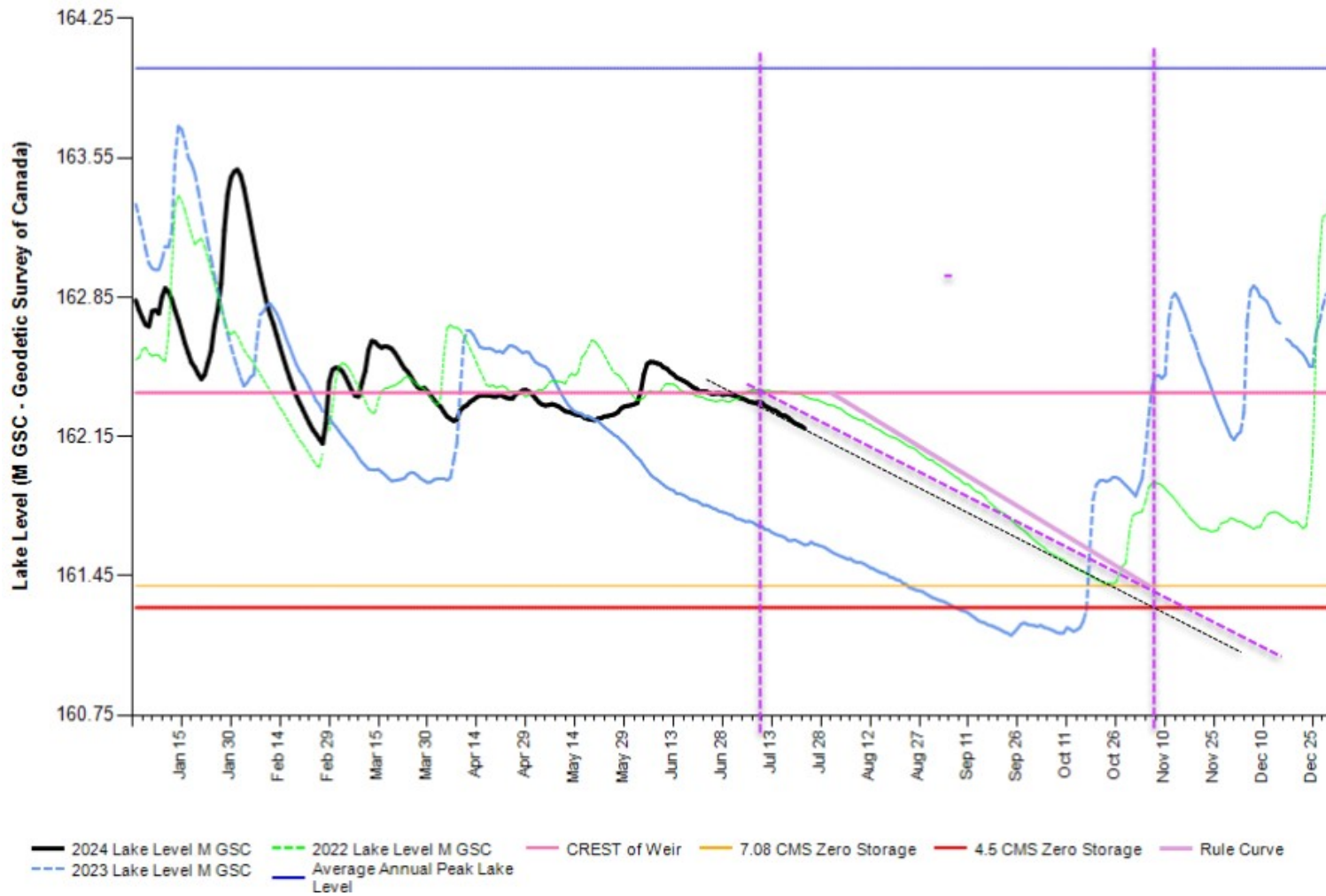
As you project forward from current lake level, you can see in the trend that the lake level does not reach the alarm red line, last day of 4.5 cms until early November.

It is highly likely that rainfall will arrive before early November and currently a low risk of needing to reduce river flows below 7 cms until mid-September at the earliest and possibly not at all.

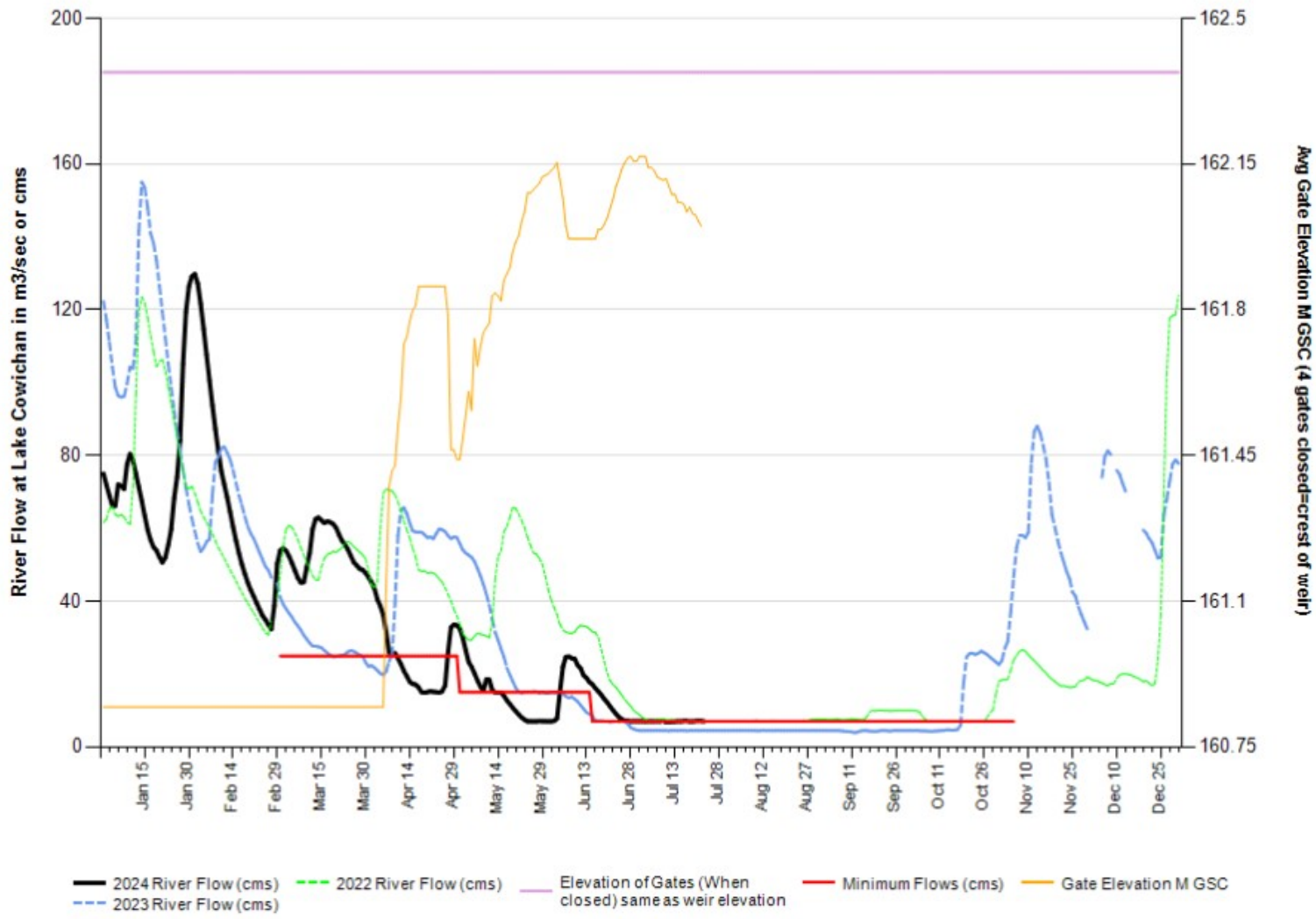
2024 continues to be a strong year with adequate lake level to allow maximum flow rate in the river through to the end of the hot summer season.

Regards,
Brian

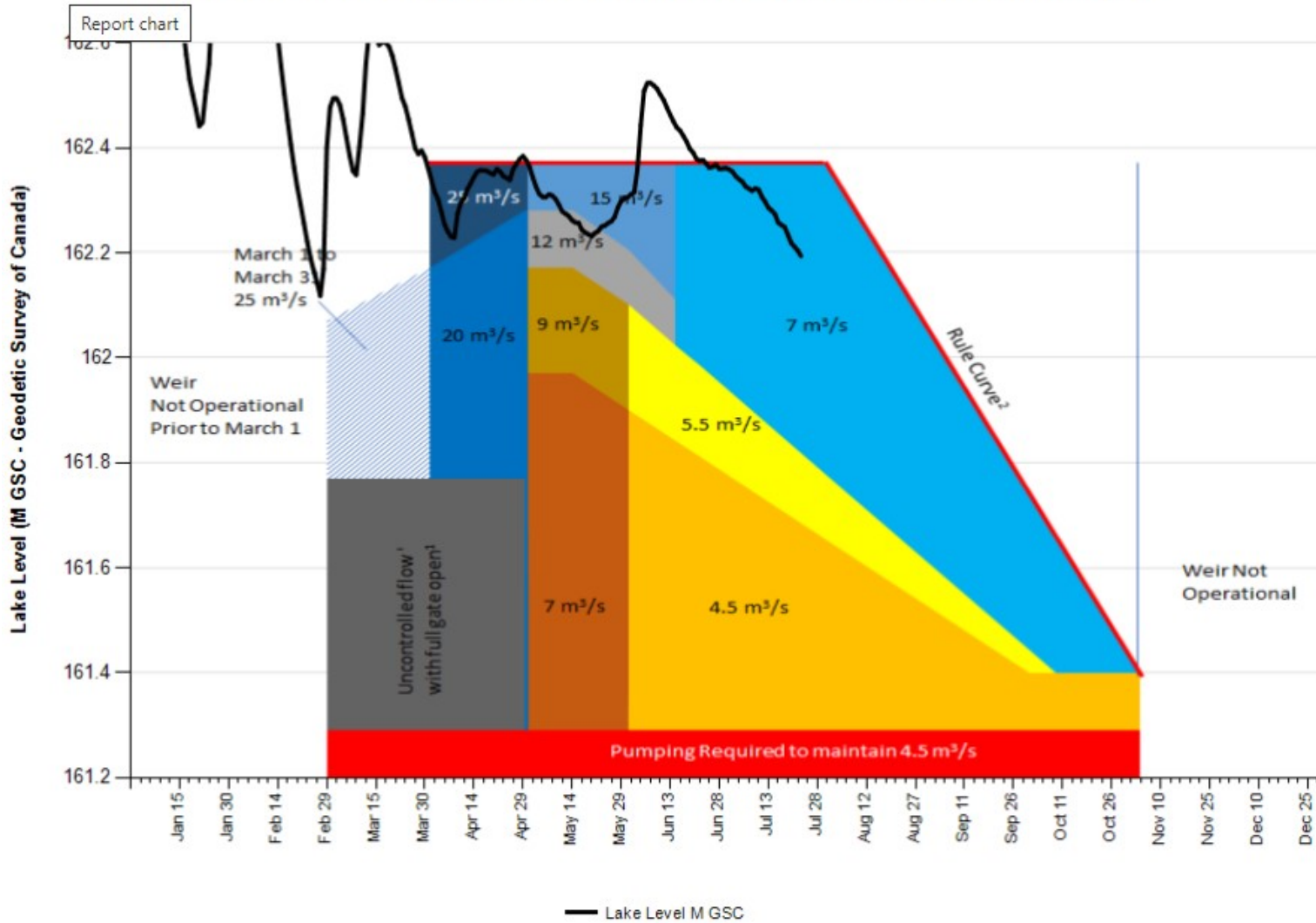
2024 Cowichan Lake Level - 2024 (Black) & 2023 (Blue) & 2022 (Green)



2024 Cowichan River Flow - 2024 (Black) & 2023 (Blue) & 2022 (Green)



2024 Cowichan Lake Level and River Flow Guidance Chart - Below Average snow pack



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