

## Houle, Brian (Crofton)

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**From:** Houle, Brian (Crofton)  
**Sent:** Friday, June 7, 2024 11:37 AM  
**To:** Houle, Brian (Crofton)  
**Subject:** Watershed Update: June 7, 2024

Good day,

Conditions are very good in watershed currently.

The recent rainfall combined with melting of the remaining snow pack has resulted in river flow rising to 25 cms.

The lake level, currently 17 centimeters above full supply, is no longer rising and will in coming days start to decline.

Flow is being held at current 25 cms until the lake level is dropping and has dropped down to or below the 10 cm above full supply level.

With the lake level as high as it is and with inflow currently in balance with outflow, lake level will begin to decline in coming day(s).

Weather prediction does not include substantial rain in coming 2 weeks and events of substantial rain not until this fall.

Snow pack is nearly fully melted at the snow pillow elevation and in coming few weeks, entire snow pack is expected to be melted.

It is possible river flow will be higher than 15 cms through to June 15<sup>th</sup>, when the ideal flow period for 15 cms ends and license minimum flow of 7.08 cms will be the target flow.

The plan for 2024 remains the same, to maintain the lake as close to 100% full for as long as possible and out to June 25<sup>th</sup>.

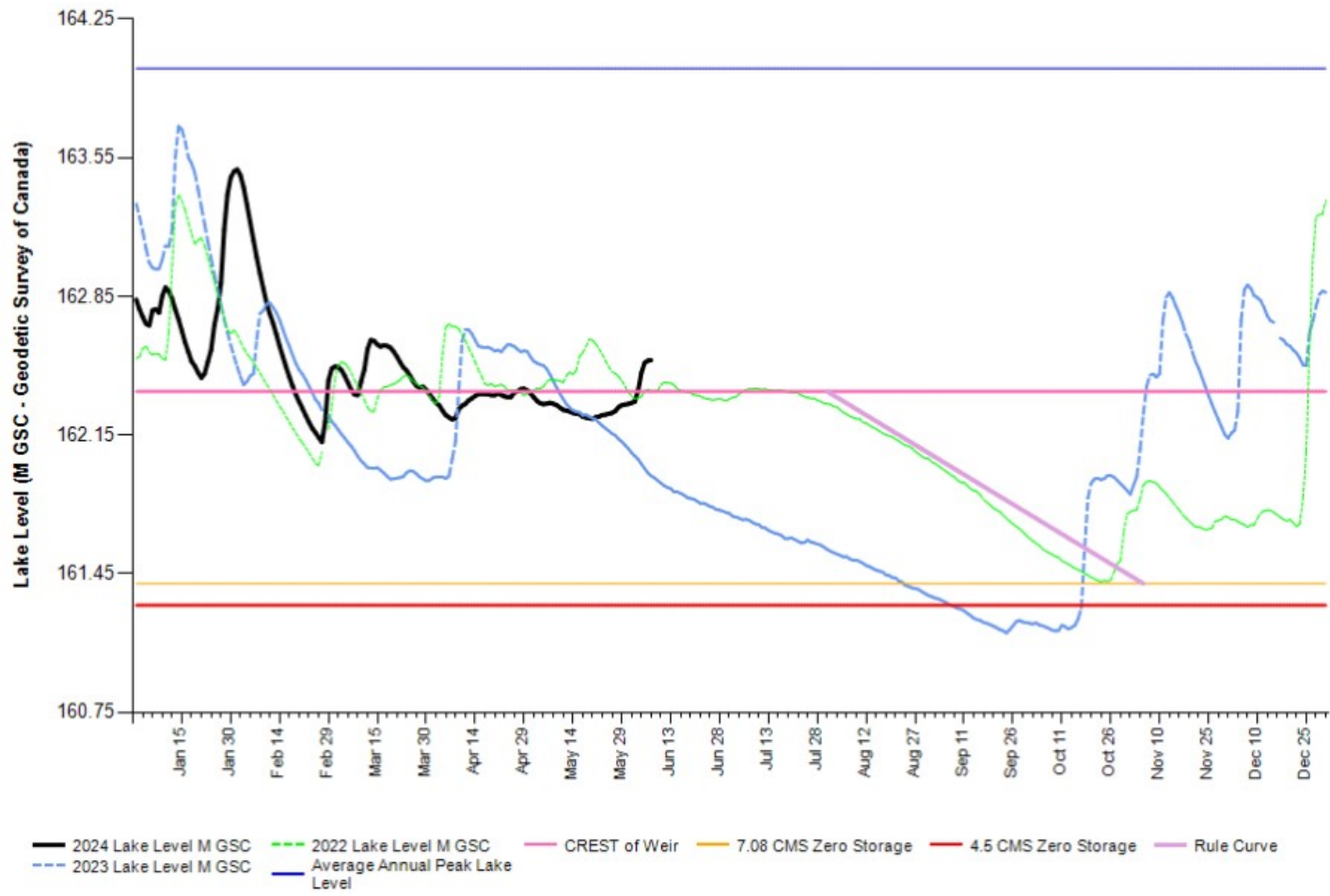
Sustaining a river flow of 7.08 cms through to mid-September is the target for this year.

I have included the "Flow Guide Chart" below and while we are not following this guide, once snow pack is fully melted, the chart will provide insight into suitable river flows to ensure lake does not empty before late October.

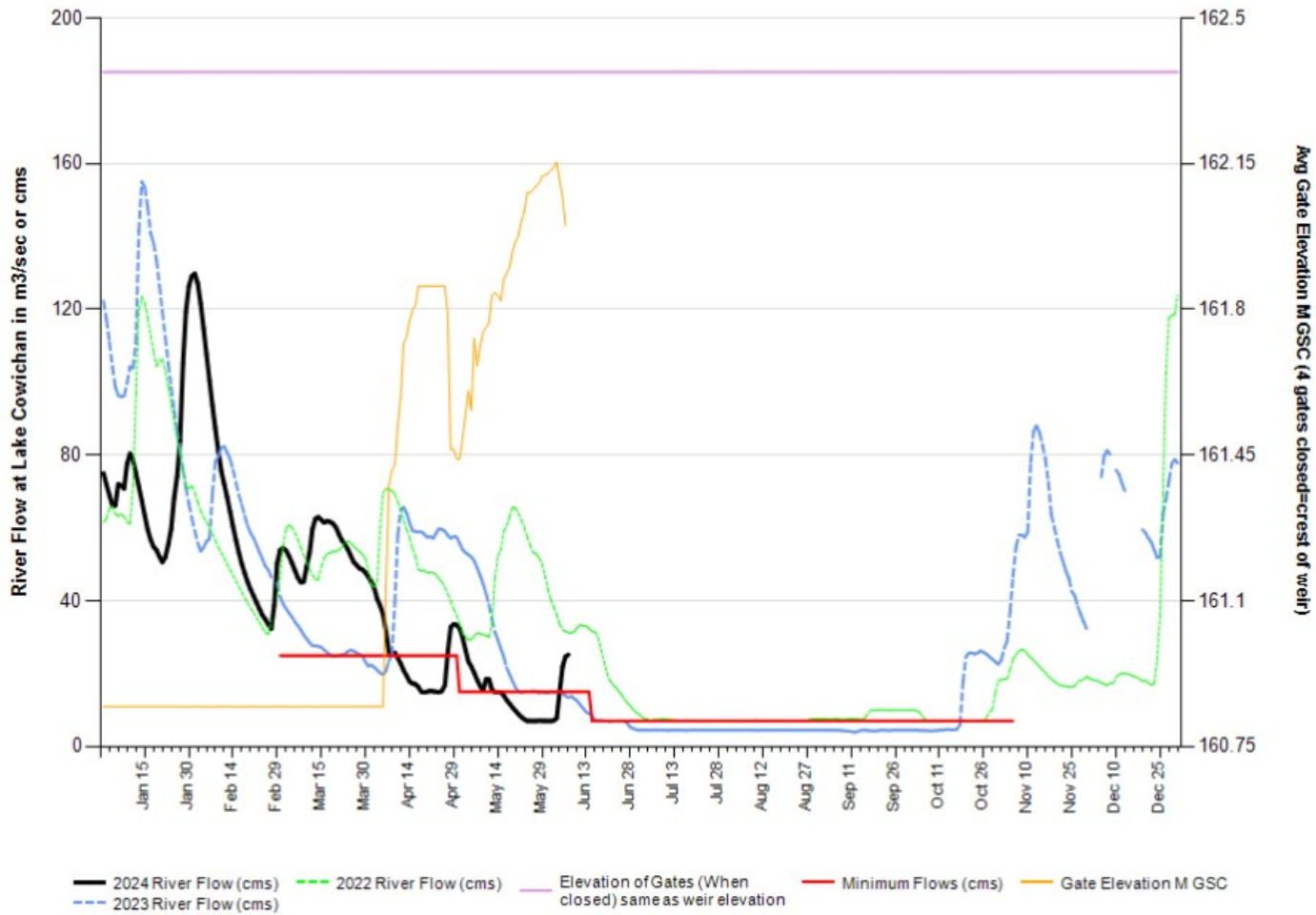
Regards

Brian

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

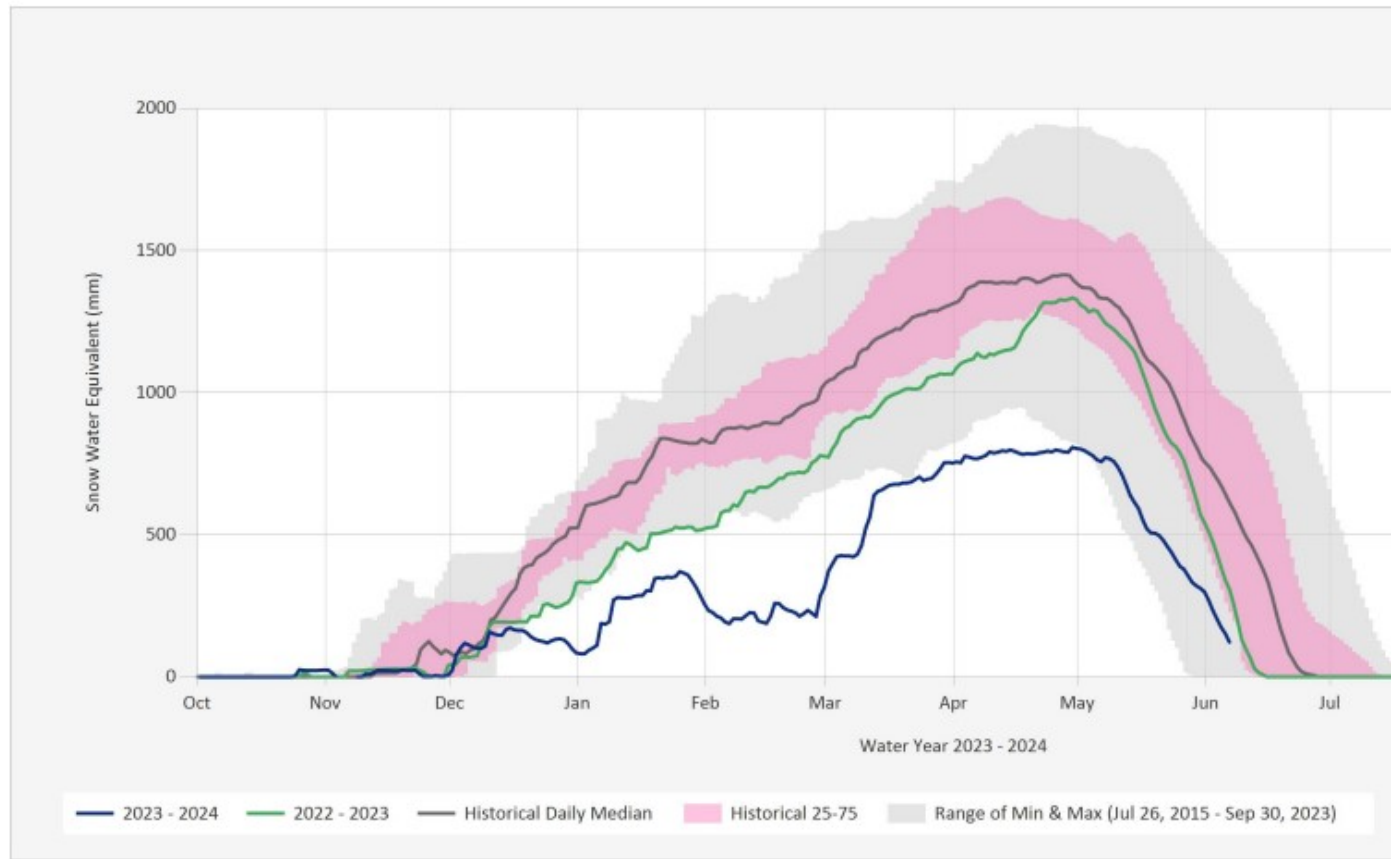


2024 Cowichan River Flow - 2024 (Black) & 2023 (Blue) & 2022 (Green)



Source Data: SW.Daily@3B24P

Location: Heather Mountain Upper, Latitude: 48.943875, Longitude: -124.452113, Elevation: : 1190 m



## Next 7 Days










	Sat 06/08	Sun 06/09	Mon 06/10	Tue 06/11	Wed 06/12	Thu 06/13	Fri 06/14
	A mix of sun and clouds	Mainly sunny	Mainly sunny	Chance of a shower	Mainly sunny	A mix of sun and clouds	A mix of sun and clouds
	26°	24°	21°	16°	16°	17°	16°
Feels like	26	26	22	16	16	17	16
Night	12°	9°	9°	6°	6°	7°	7°
POP	30 %	20 %	20 %	40 %	20 %	30 %	40 %
Wind (km/h)	6 E	9 SW	6 SW	12 SW	10 W	5 SW	16 SW
Wind gust (km/h)	9	14	9	18	15	8	24
Hrs Of Sun	6 h	11 h	9 h	7 h	11 h	8 h	7 h
24 Hr Rain	-	-	~1 mm	~1 mm	-	-	-

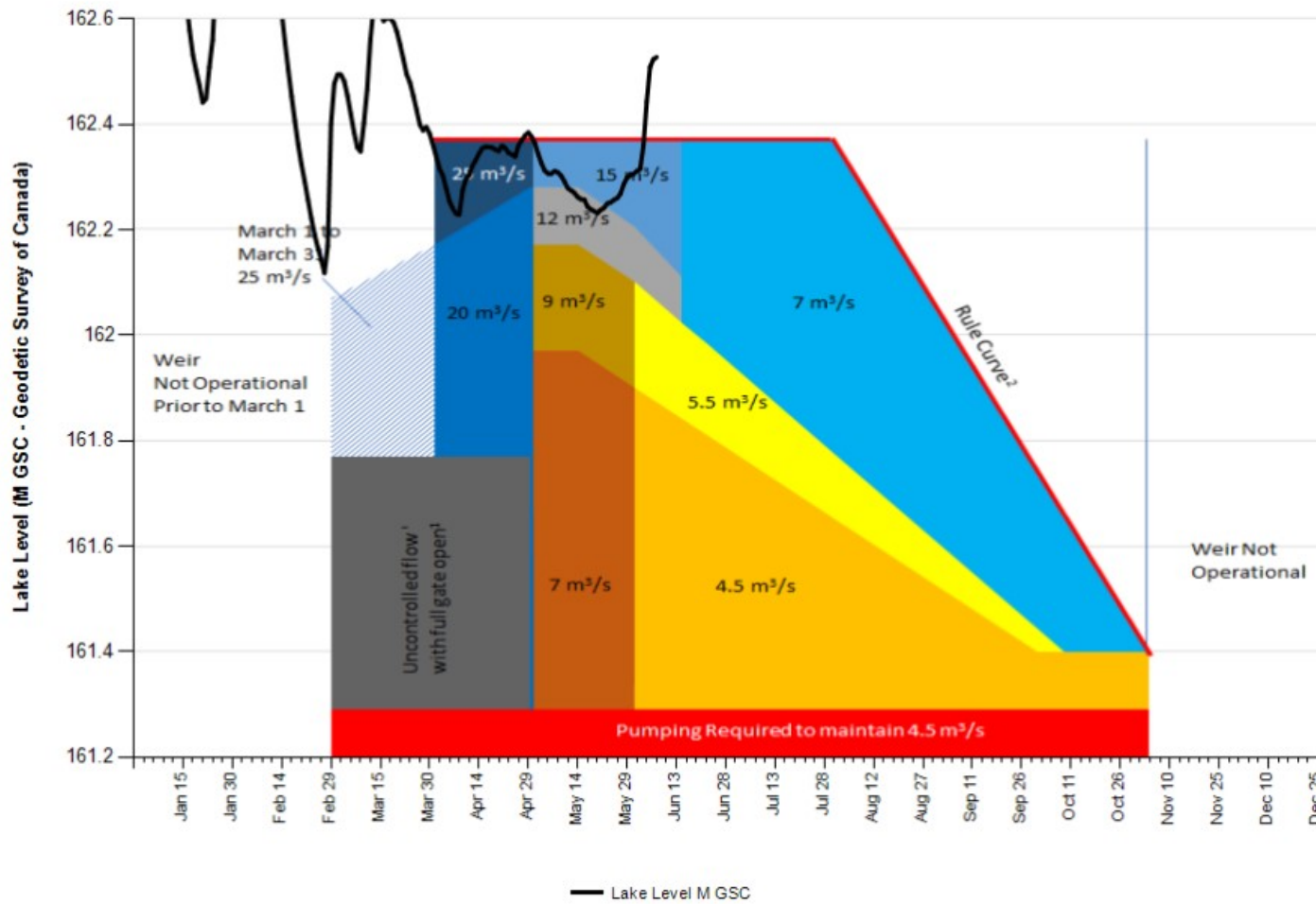
# 14 Days

Jun 8 - Jun 21

< PREVIOUS 7 DAYS

	Sat 06/15 A Few showers  13°	Sun 06/16 A mix of sun and clouds  14°	Mon 06/17 Cloudy with showers  16°	Tue 06/18 Mainly sunny  19°	Wed 06/19 Cloudy  20°	Thu 06/20 Mainly sunny  21°	Fri 06/21 Cloudy  19°
Feels like	12	14	16	19	20	22	19
Night	6°	7°	7°	9°	10°	9°	10°
POP	60 %	30 %	60 %	10 %	40 %	20 %	30 %
Wind (km/h)	12 w	7 w	4 NE	9 E	6 s	12 w	10 w
Wind gust (km/h)	18	11	6	14	9	18	15
24 Hr Rain	1-3 mm	<1 mm	~1 mm	-	<1 mm	-	-

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



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