

## Houle, Brian (Crofton)

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**From:** Houle, Brian (Crofton)  
**Sent:** Monday, May 3, 2021 1:54 PM  
**To:** Houle, Brian (Crofton)  
**Subject:** Weekly lake/river update

Good day everyone,

Today the lake is at 77% full and the combination of snow pack melting and rainfall, the lake level is holding steady.

Conditions continue to be okay in the watershed and ideal spring flows can continue at this time.

The new draft guide for lake level and river flow continues to indicate a lower flow is called for under these conditions.

With most of the snow pack remaining in the mountains, current ideal river flows can be sustained and it is likely the flow guide will need edits for future years.

Flow is currently ramping down by 2 cms per day and down to ideal May flow of 15 cms by Wednesday May 5.

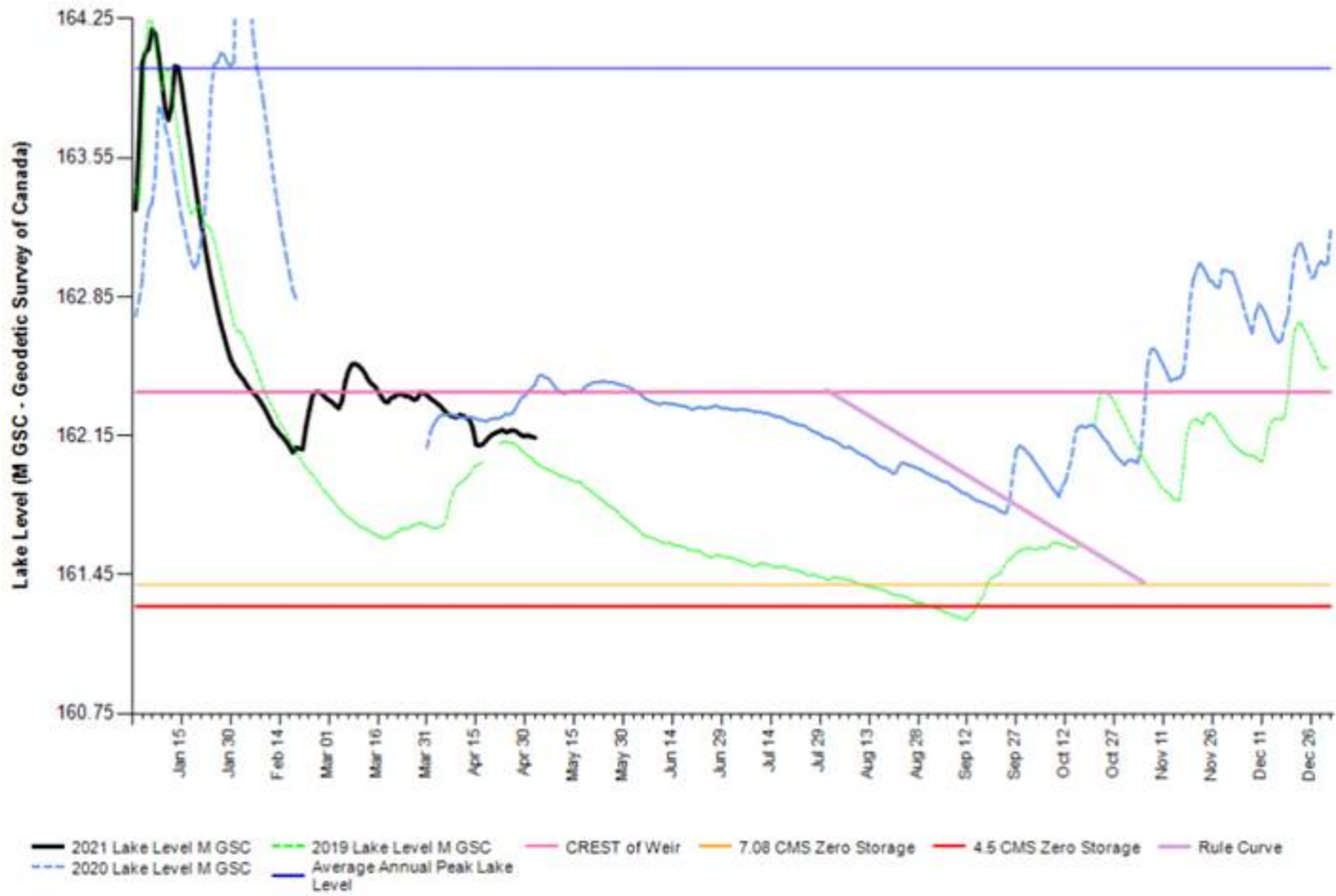
Once at 15 cms, that flow will be kept steady until June 15 when the water license minimum flow of 7 cms begins.

Above average snow pack can have a dramatic impact on raising lake level and with flow ramping down to 15 cms, lake level will recover somewhat in coming weeks.

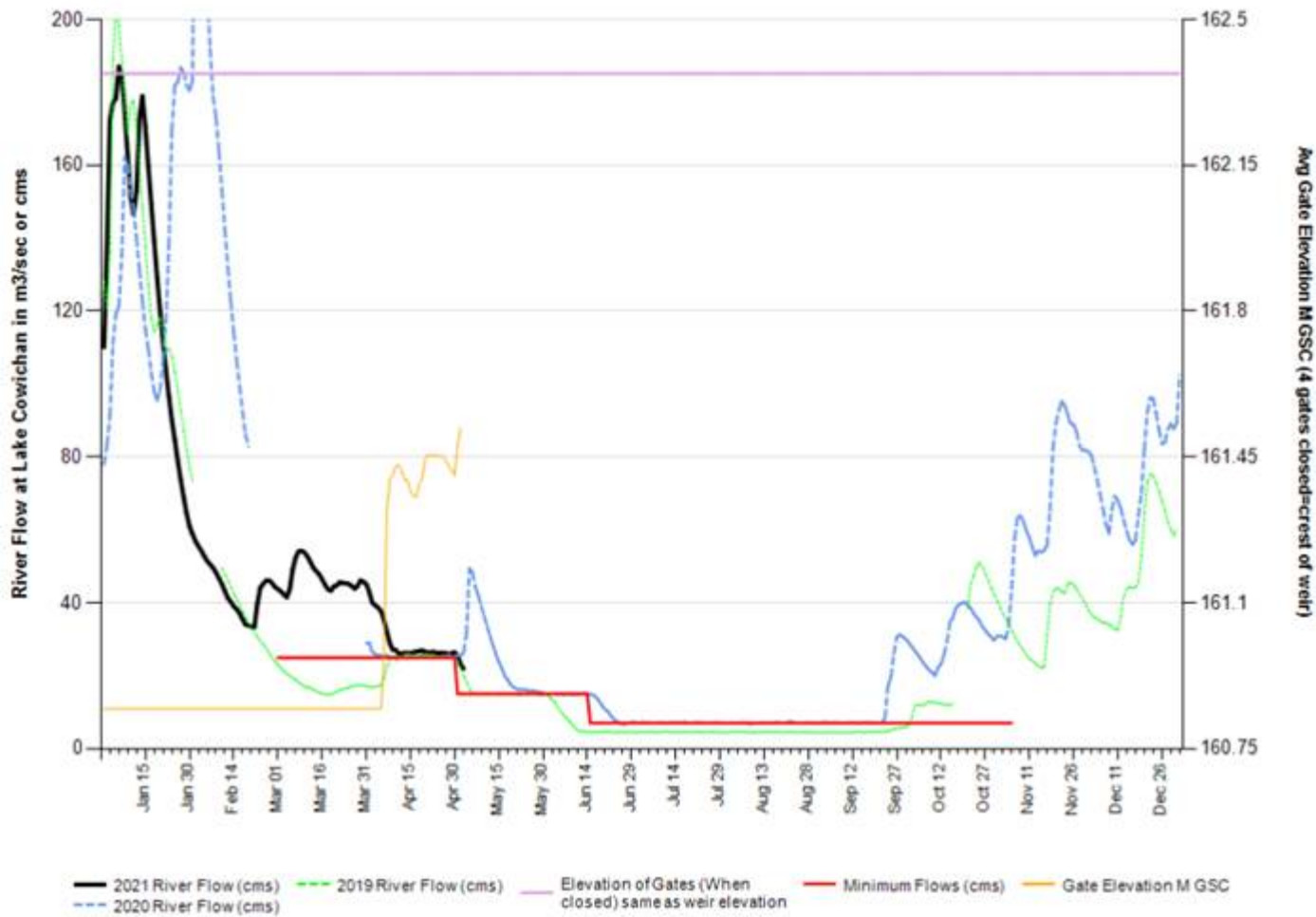
Until snow melt has concluded and mountains are bare of snow, it is not understood if there is enough water to sustain ideal summer flows through to the return of rainfall this fall.

Brian

2021 Cowichan Lake Level - 2021 (Black) & 2020 (Blue) & 2021 (Green)



2021 Cowichan River Flow - 2021 (Black) & 2020 (Blue) & 2019 (Green)



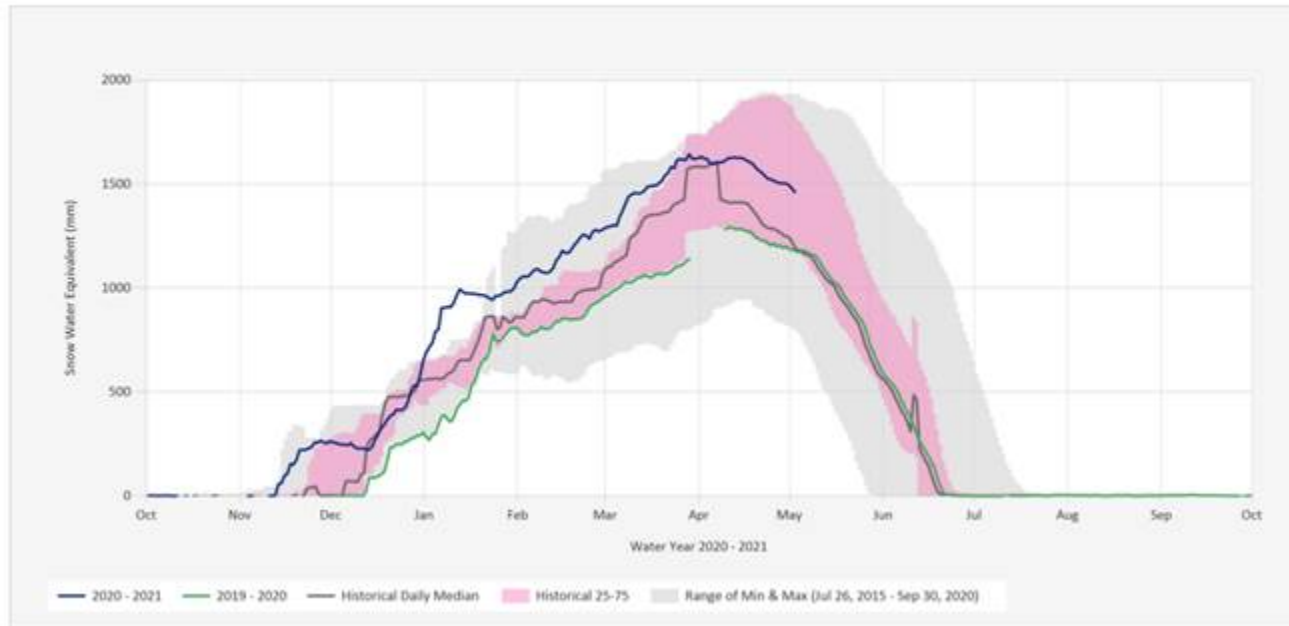
Automated Snow Weather Station Graph

Snow.3824P Automated Snow Weather Station Graph

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Source Data: SW Daily@3824P

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

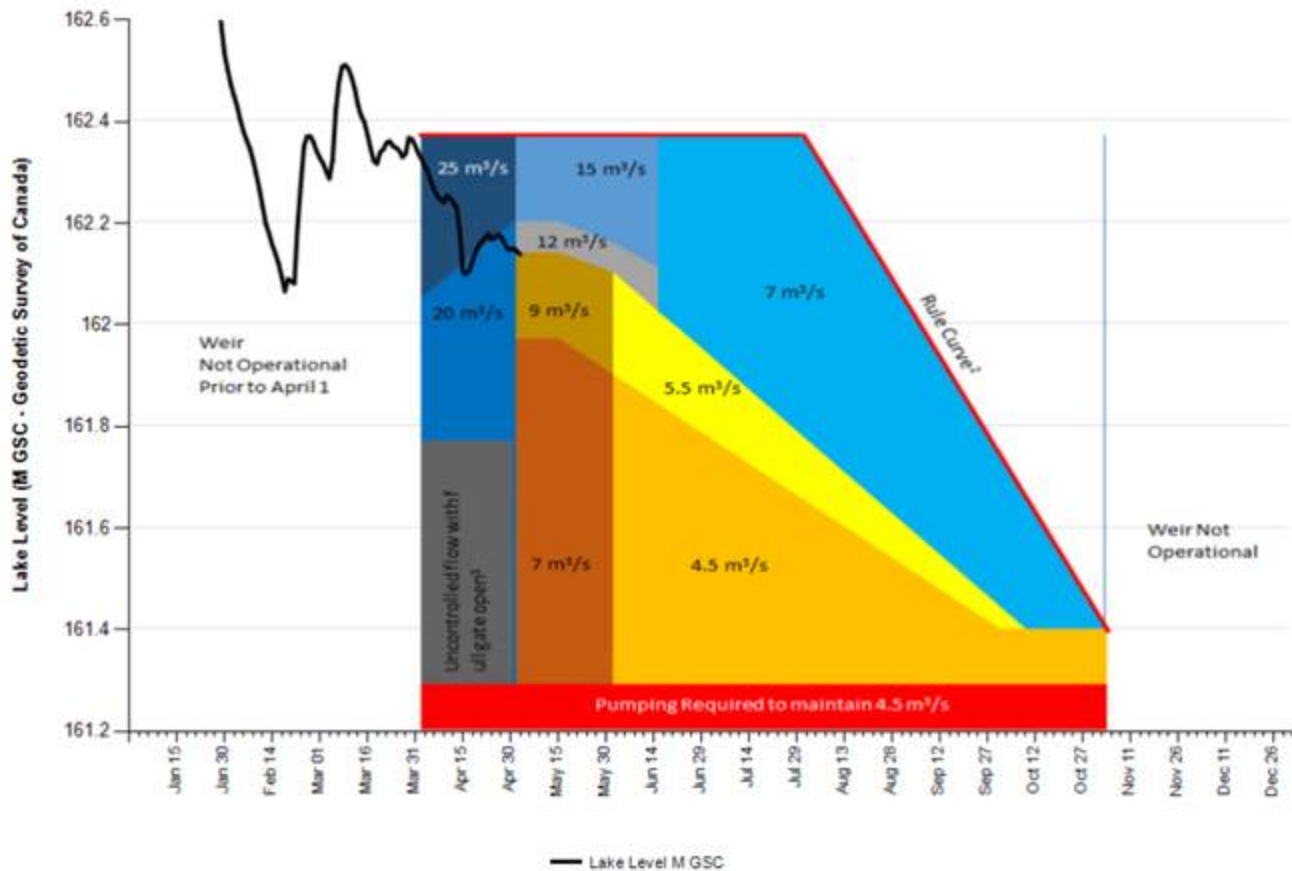


## Next 7 Days



	<b>Tue</b> 05/04	<b>Wed</b> 05/05	<b>Thu</b> 05/06	<b>Fri</b> 05/07	<b>Sat</b> 05/08	<b>Sun</b> 05/09	<b>Mon</b> 05/10
	A mix of sun and clouds	Mainly cloudy	Rain	Light rain	A mix of sun and clouds	A mix of sun and clouds	A mix of sun and clouds
	16°	15°	11°	10°	13°	14°	16°
Feels like	16	15	10	10	13	14	16
Night	6°	9°	5°	4°	5°	5°	5°
POP	30 %	30 %	80 %	70 %	30 %	30 %	30 %
Wind (km/h)	6 E	7 E	9 SW	7 S	5 W	4 NE	9 W
Wind gust (km/h)	9	11	14	11	8	6	14
Hrs Of Sun	7 h	1 h	2 h	2 h	5 h	6 h	7 h
24 Hr Rain	-	~1 mm	~10 mm	~5 mm	-	-	-

2021 Cowichan Lake Level and River Flow Guidance Chart - Above Average snow pack



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