

Houle, Brian (Crofton)

From: Houle, Brian (Crofton)
Sent: Monday, April 26, 2021 9:23 AM
To: Houle, Brian (Crofton)
Subject: Weekly watershed update

Good morning,

A wet weekend but not too wet as lake level remains below full supply.

The combination of rainfall and ongoing snow melt has continued to support a slow rise in lake level in recent 7 days.

The draft guide for helping identify appropriate river flows continues to be on edge of guiding a lower flow of 20 cms.

This is the first time for the use of this draft guide in a condition of not enough lake level and it is possible the draft guide will be adjusted after this year and based on what is learned this year.

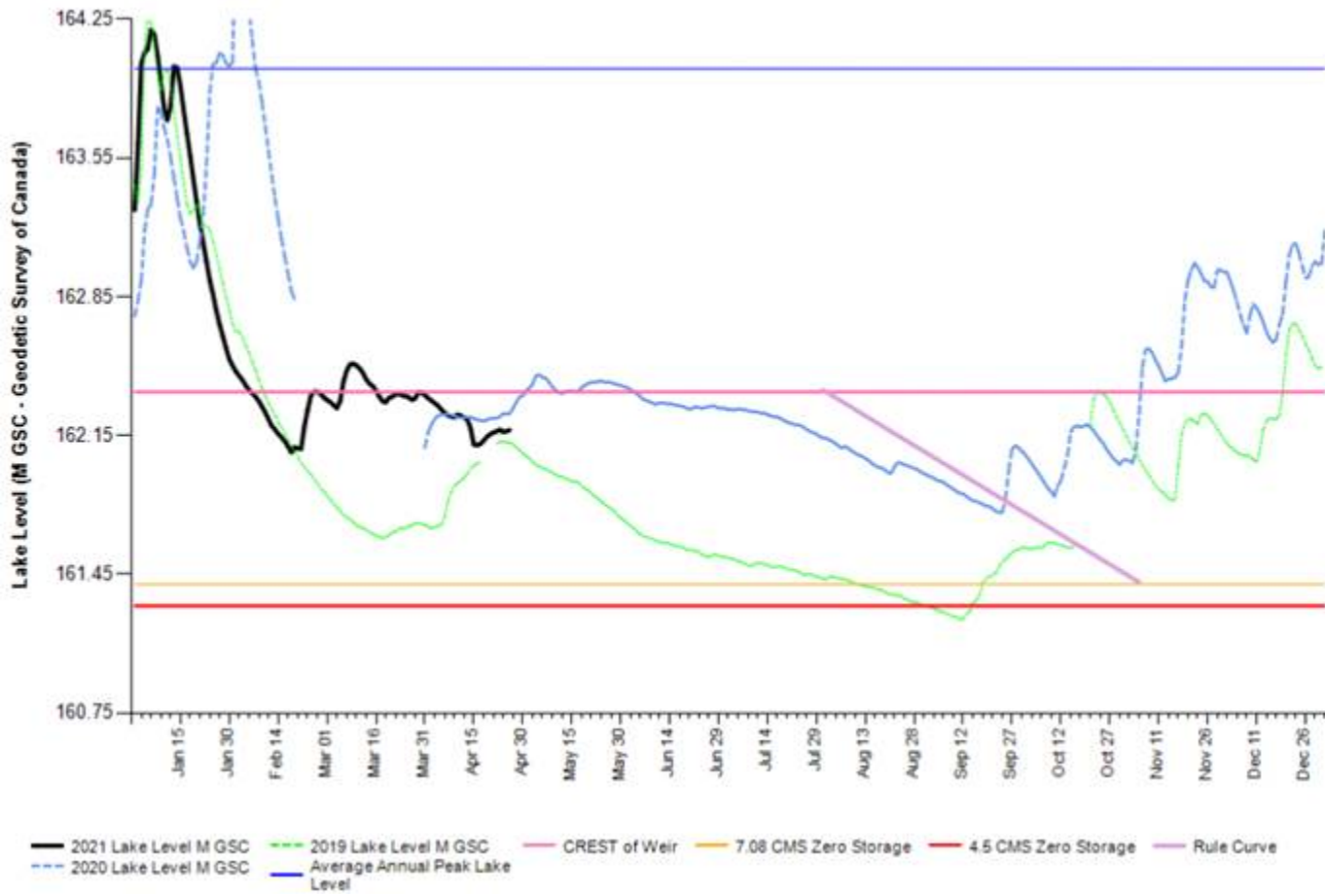
The ideal spring flows for the Cowichan River drop to 15 cms beginning on May 1, Saturday.

Due to potential negative impacts of reducing river flows, flow reductions beginning on May 1 will be limited to 2 cms flow reduction each day and beginning in afternoon.

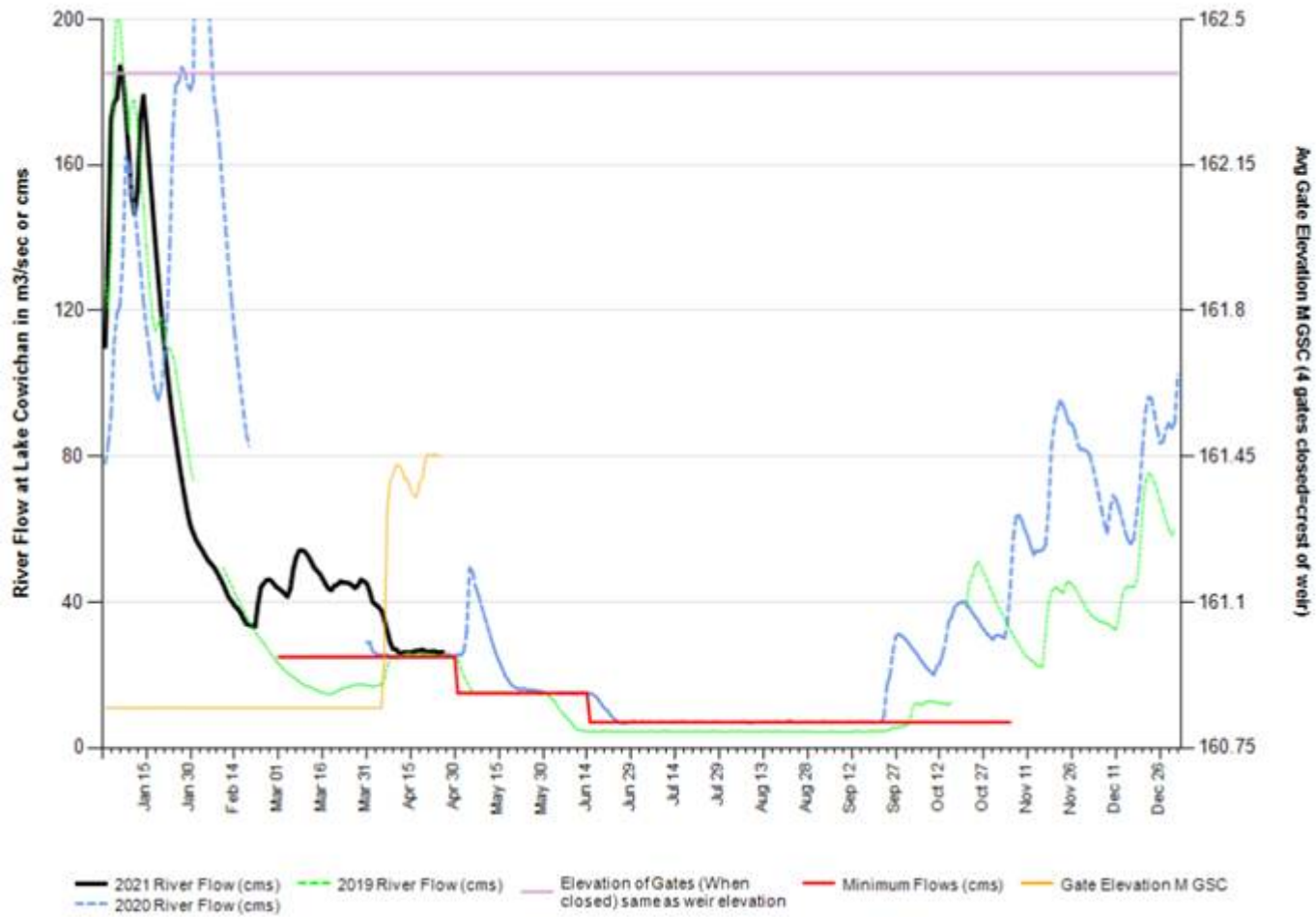
If dryer weather persists, it is possible the river flow leaving Cowichan Lake will be at 15 cms on May 5 and that ideal spring flow is to be sustained until June 15. After June 15th, provincial water license limitation restricts river flow from being lowered to below 7 cms.

Regards,
Brian Houle
Manager, Environment
Catalyst Crofton
250-246-6236

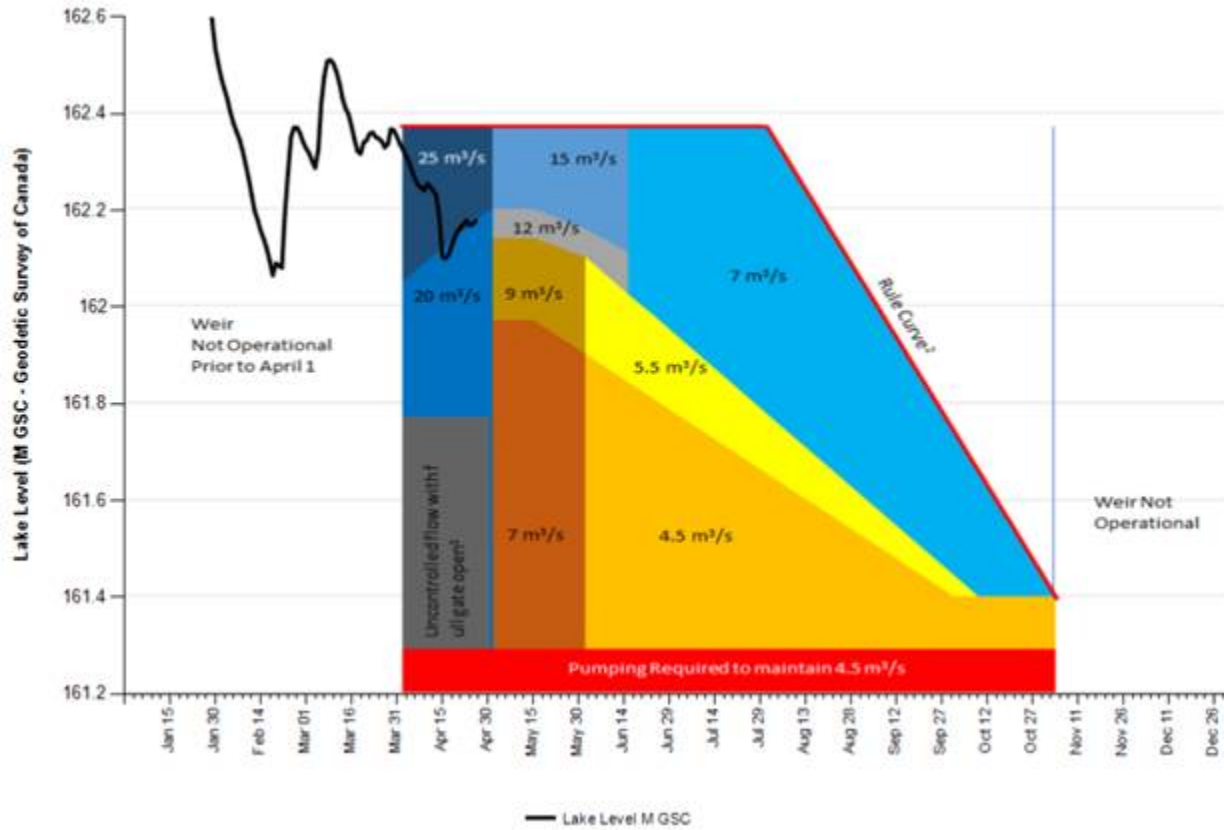
2021 Cowichan Lake Level - 2021 (Black) & 2020 (Blue) & 2019 (Green)



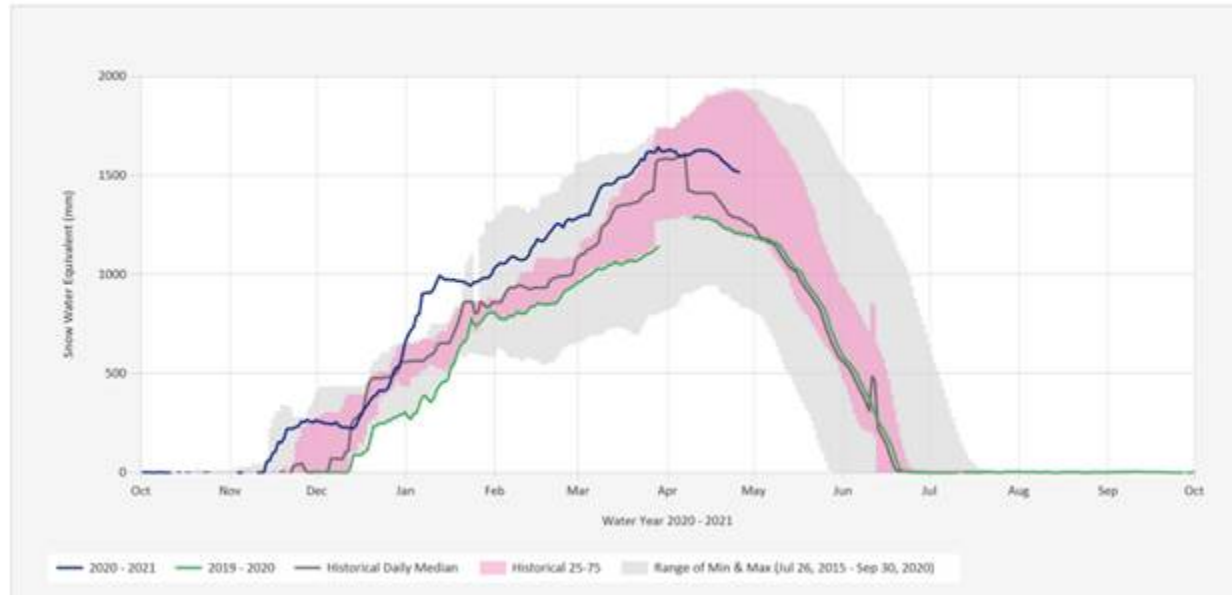
2021 Cowichan River Flow - 2021 (Black) & 2020 (Blue) & 2019 (Green)










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



Source Data: SWDaily@3824P
Location: Heather Mountain Upper, Latitude: 48.943875, Longitude: -124.452113, Elevation: 1190 m



Next 7 Days ☀️🌙							
	Tue 04/27	Wed 04/28	Thu 04/29	Fri 04/30	Sat 05/01	Sun 05/02	Mon 05/03
	Cloudy with sunny breaks	Light rain	Mainly cloudy	Rain	A Few showers	Cloudy with sunny breaks	Light rain
							
	12°	11°	16°	12°	10°	11°	10°
Feels like	11	11	16	11	8	10	10
Night	7°	8°	8°	6°	5°	4°	6°
POP	30 %	70 %	30 %	90 %	60 %	30 %	70 %
Wind (km/h)	12 sw	6 sw	6 sw	11 s	16 w	14 w	6 w
Wind gust (km/h)	18	9	9	17	24	21	9
Hrs Of Sun	2 h	0 h	1 h	1 h	5 h	4 h	1 h
24 Hr Rain	<1 mm	~5 mm	<1 mm	5-10 mm	1-3 mm	-	5-10 mm

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