

## Houle, Brian (Crofton)

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**From:** Houle, Brian (Crofton)  
**Sent:** Monday, June 14, 2021 10:18 AM  
**To:** Houle, Brian (Crofton)  
**Subject:** Watershed update June 14

Greetings as we move into second half of Juneuary.  
Rate of snow melt did slow down this past weekend but snow continued to melt this past weekend.  
Turning off central heat in our homes has caused many of us to wear sweaters at home, I suspect.

Lake level has dropped a bit and is now at 67% full.  
Snow pack remains significant with about 50% remaining to melt.  
Weather is showing more sunshine and warmer temperatures in coming 7 days.

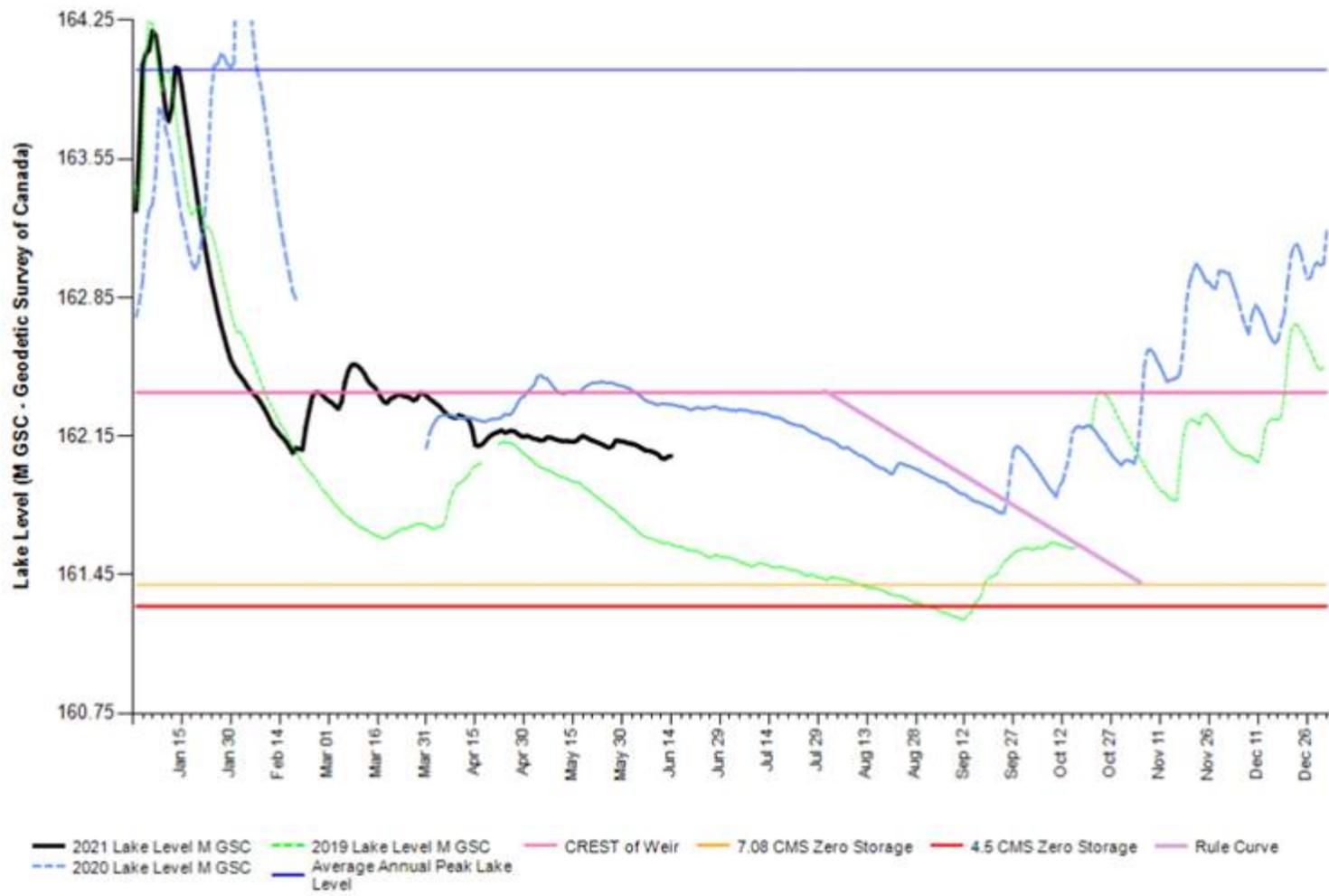
You will note in the snow pack trend that 2021 is now colder than 75% of years in trend – based on how late the snow pack melt has extended.  
This lower temperature up at 1190 meters implies lower river temperatures and impacting fish activity in the river, slowing things down.  
During a more typical spring, warmer water temperatures will have equated to larger fish and this year, smaller fish due to colder weather.  
Smaller fish that are delayed in their movement to the ocean and now needing help as river flow is reduced slowly in coming days.

To ensure maximum salvage of fry this year, a one day delay in beginning to ramp down river from 15 cms will be taken.  
Normally, on June 15<sup>th</sup>, the first flow reduction is taken. This year, we will delay the first flow reduction off 15 cms to June 16, Wednesday this week.  
One last full week of drifting the upper river will allow Joe Saysell to ensure most of this year's upper Cowichan fry are stewarded to the main stem of the river.  
A heartfelt thank you goes out to Joe and all the others who work hard to protect and secure the Cowichan Watershed and all the biodiversity it brings us.

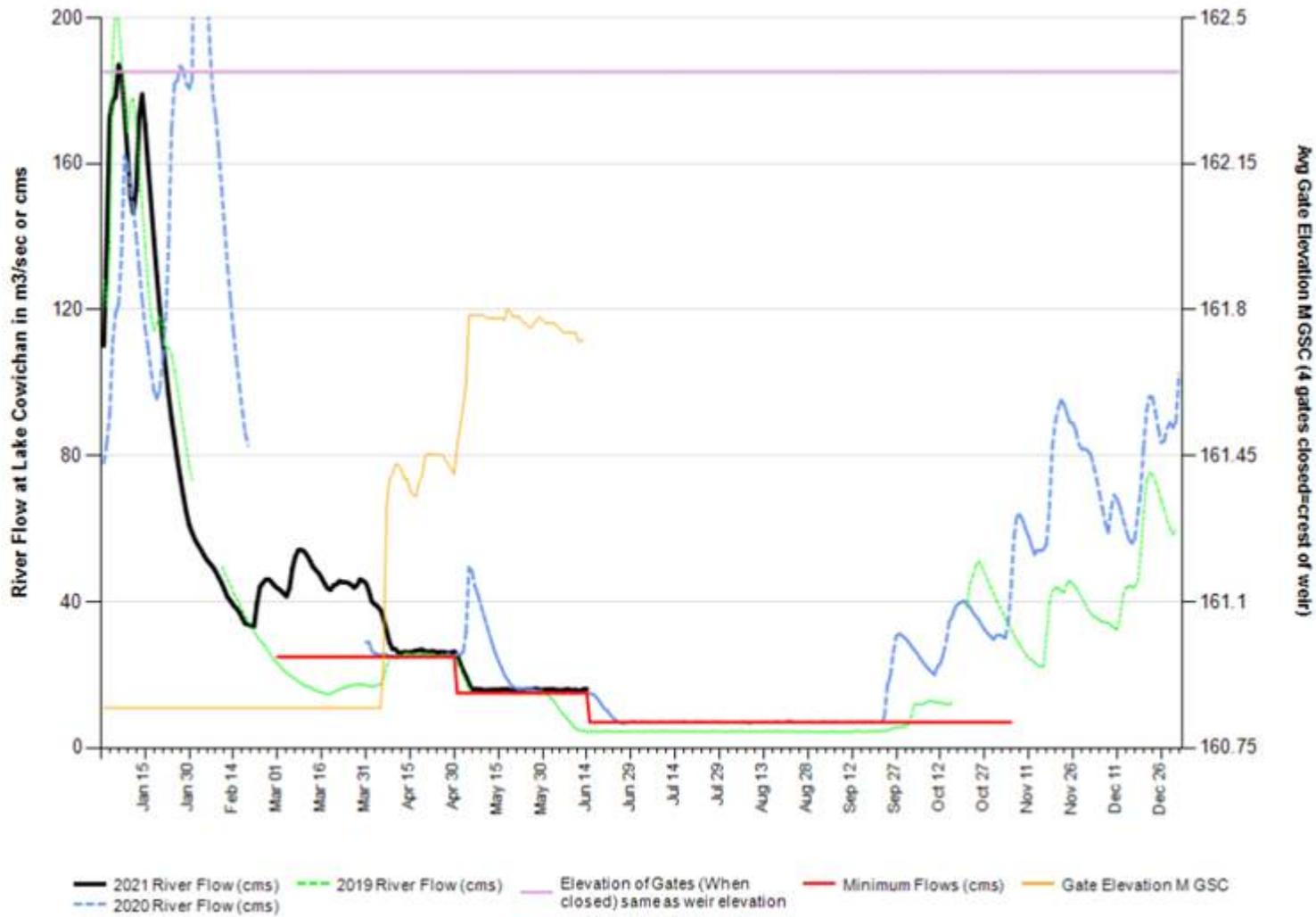
Current lake level and snow pack conditions can support this adjustment to the flow schedule for the Cowichan.

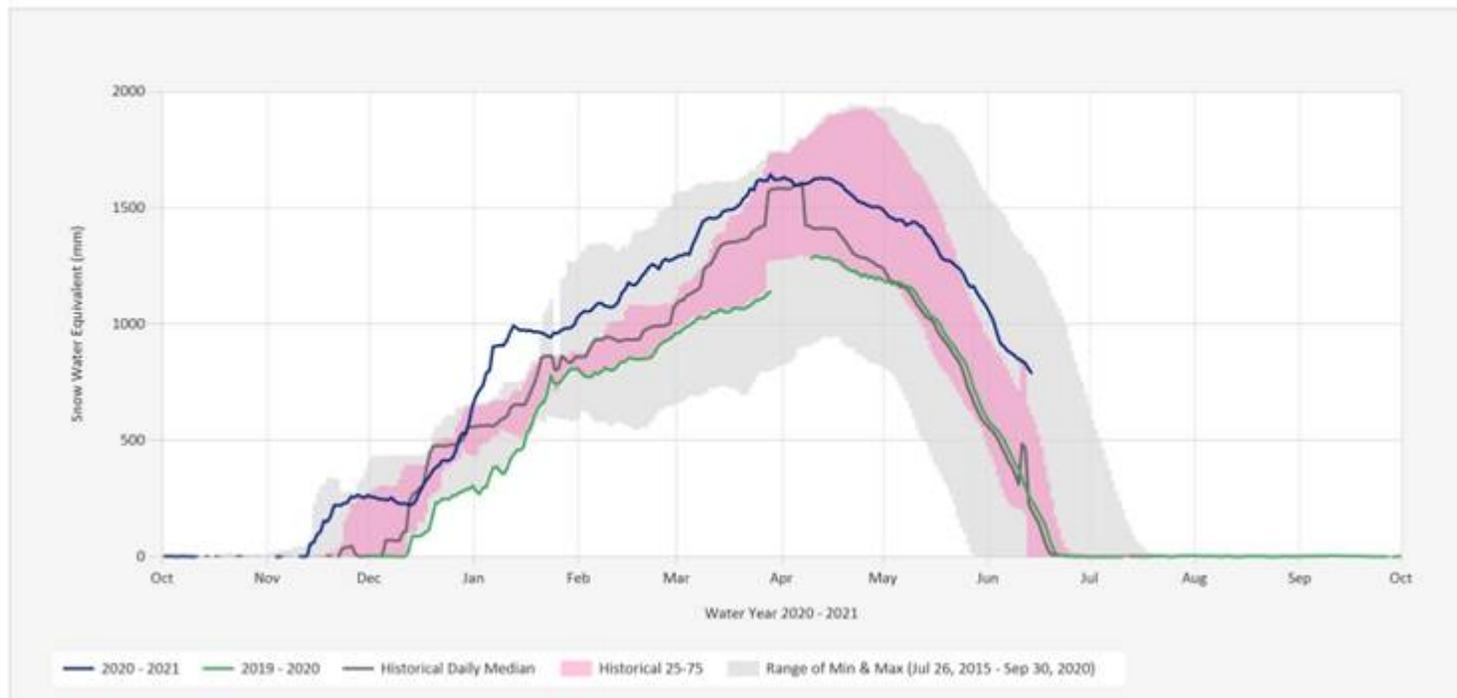
Regards,  
Brian Houle  
Manager, Environment  
Catalyst Crofton  
250-246-6236

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



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



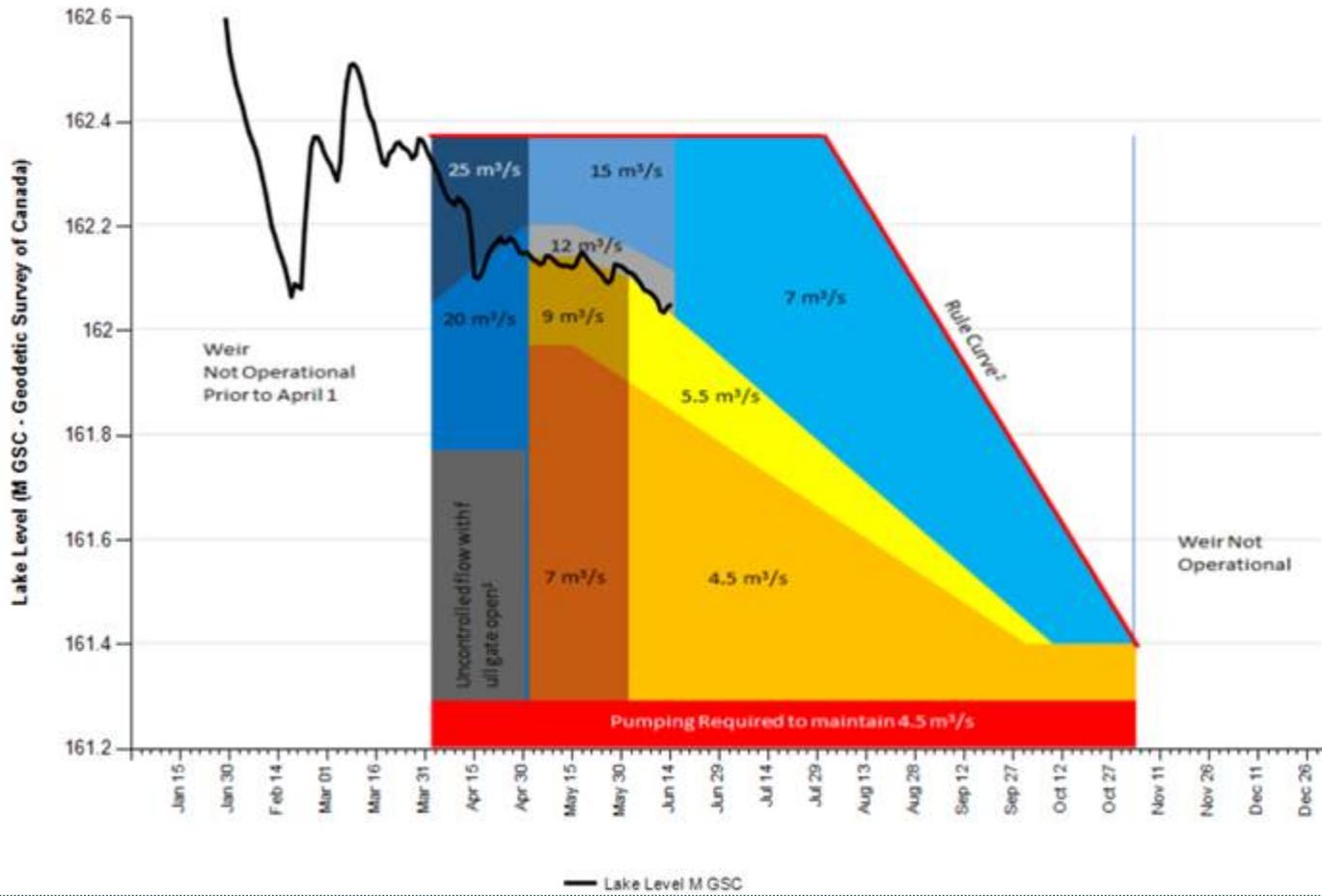


## Next 7 Days



	<b>Tue</b> 06/15 A Few showers  16°	<b>Wed</b> 06/16 Mainly sunny  20°	<b>Thu</b> 06/17 Mainly sunny  23°	<b>Fri</b> 06/18 Sunny  24°	<b>Sat</b> 06/19 A mix of sun and clouds  26°	<b>Sun</b> 06/20 Mainly sunny  27°	<b>Mon</b> 06/21 Sunny  28°
Feels like	16	20	24	26	28	30	31
Night	10°	9°	10°	11°	12°	14°	14°
POP	60 %	20 %	20 %	10 %	20 %	10 %	10 %
Wind (km/h)	11 s	5 E	6 SW	4 s	6 N	7 N	5 NE
Wind gust (km/h)	17	8	9	6	9	11	8
Hrs Of Sun	6 h	10 h	12 h	13 h	9 h	13 h	15 h
24 Hr Rain	1-3 mm	-	-	-	-	-	-

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



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