

## Houle, Brian (Crofton)

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**From:** Houle, Brian (Crofton)  
**Sent:** Monday, January 4, 2021 9:22 AM  
**To:** Houle, Brian (Crofton)  
**Subject:** Wet Season Cowichan Watershed Update

Happy New Year everyone,

We have arrived to 2021 and most everyone on earth is happy to put 2020 behind us.

Regarding our watershed, the wet and mostly cool weather recently has brought lake level to 164 M GSC which is as high as we expect lake level to reach every year.

The cooler weather has also helped ensure the snow pack is there and from trends, we now have more snow pack than the previous 5 years on record at Heather Mountain (for same day) and that can be very helpful later this year.

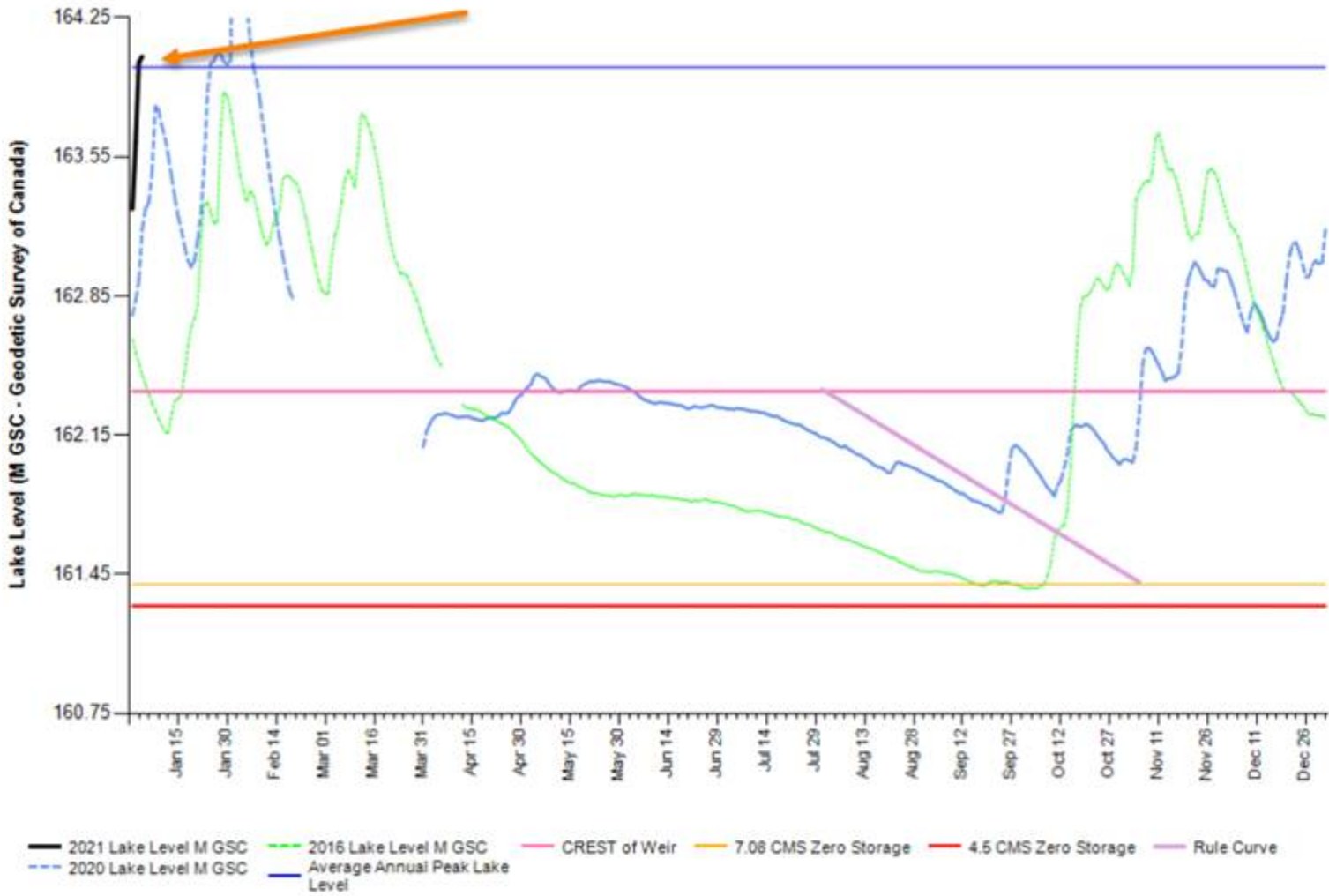
Unfortunately, more snow pack also brings more risk that a "Rain on Snow" weather system has more snow to melt and that can be challenging condition for even higher river flows and lake levels in coming months.

For the snow pack to be helpful for the watershed, the weather needs to stay cool to allow the snow to melt later in spring summer season.

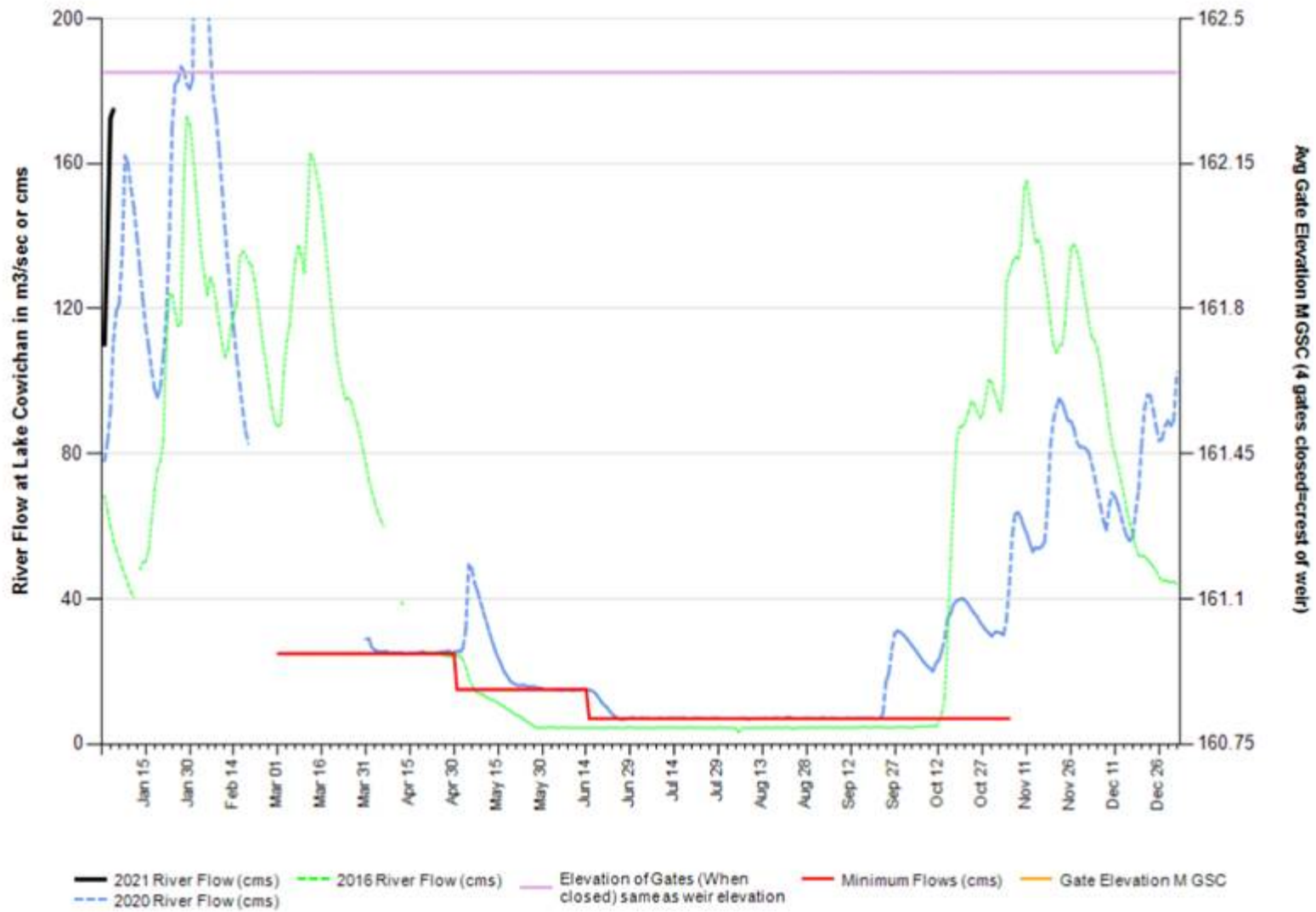
I will continue to provide monthly watershed updates as we all enjoy the longer days and less cloudy weather (and less rainfall) in coming months.

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

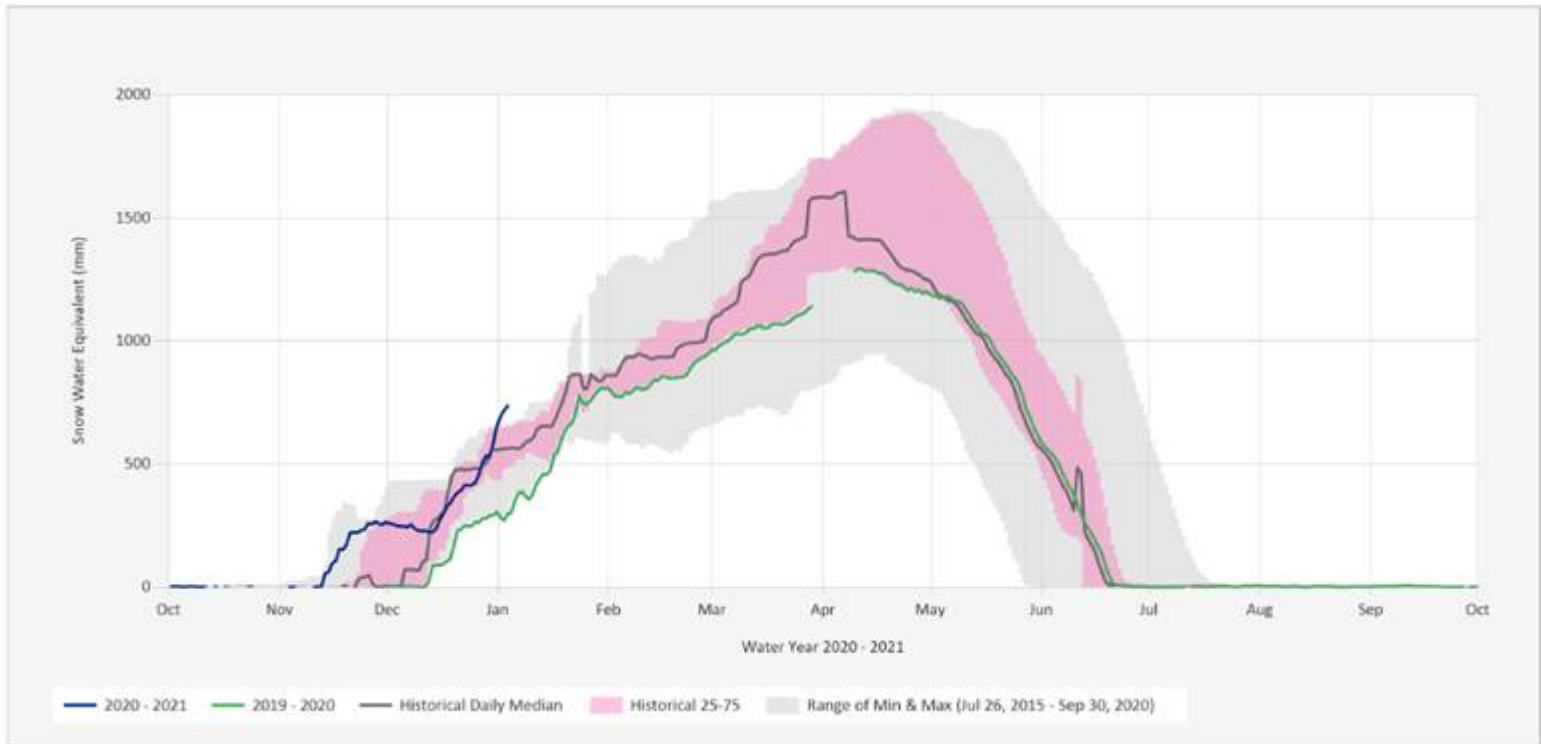
2021 Cowichan Lake Level - 2021 (Black) & 2020 (Blue) & 2016 (Green)



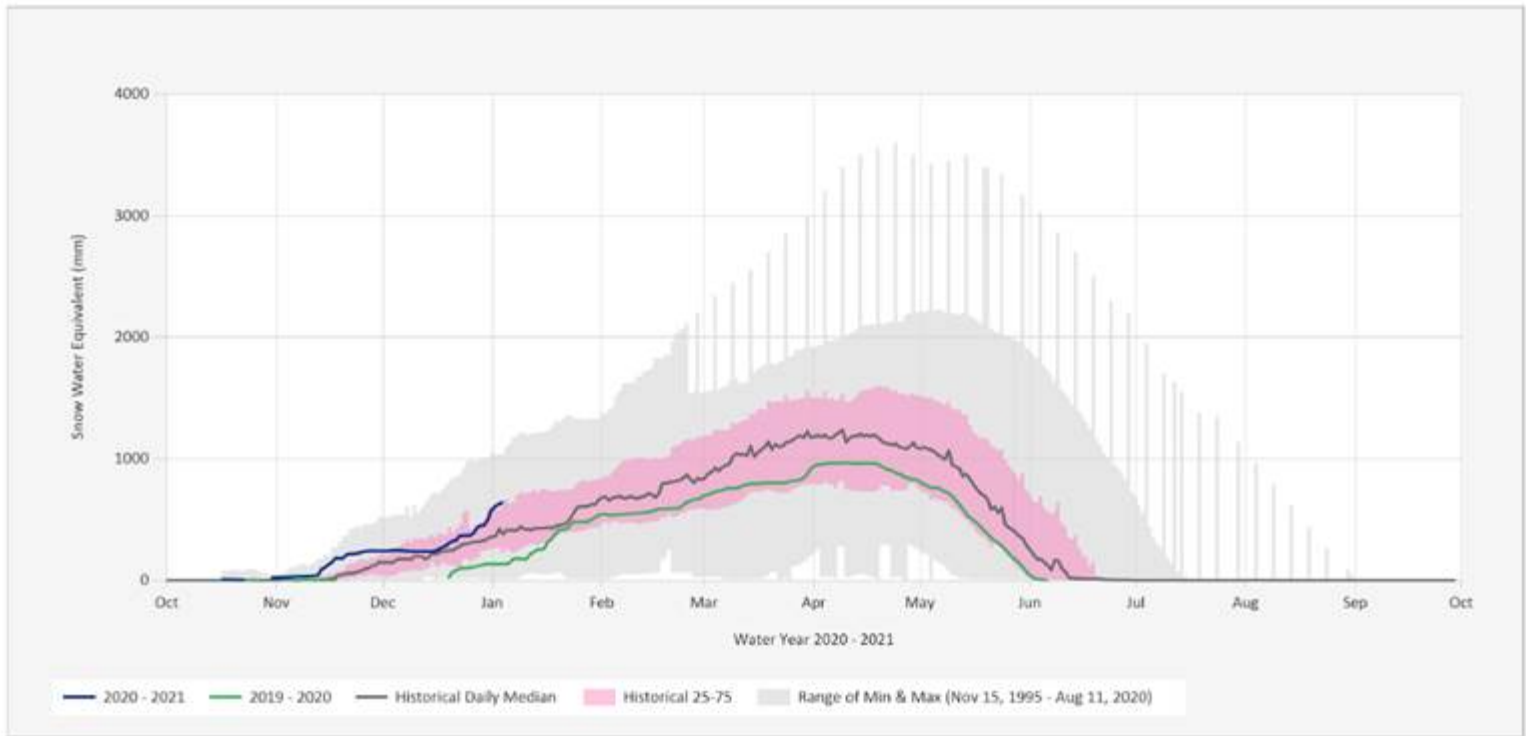
2021 Cowichan River Flow - 2021 (Black) & 2020 (Blue) & 2016 (Green)



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



Source Data: SW\_Daily@3B23P  
Location: Jump Creek, Latitude: 48.969505, Longitude: -124.276182, Elevation: 1160 m



## Next 7 Days



	<b>Tue</b> 01/05 Rain	<b>Wed</b> 01/06 Light rain	<b>Thu</b> 01/07 A mix of sun and clouds	<b>Fri</b> 01/08 Rain	<b>Sat</b> 01/09 Cloudy with showers	<b>Sun</b> 01/10 Rain	<b>Mon</b> 01/11 Rain
	5°	6°	5°	5°	4°	5°	6°
Feels like	2	6	4	3	3	3	4
Night	4°	2°	4°	3°	3°	4°	5°
POP	100 %	70 %	30 %	80 %	40 %	70 %	70 %
Wind (km/h)	19 SE	5 S	9 E	13 E	8 E	7 SE	12 S
Wind gust (km/h)	29	8	14	20	12	11	18
Hrs Of Sun	0 h	1 h	2 h	1 h	2 h	0 h	1 h
24 Hr Rain	30 - 40 mm	2-4 mm	<1 mm	~20 mm	5-10 mm	20 - 25 mm	~15 mm

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