

Houle, Brian (Crofton)

From: Houle, Brian (Crofton)
Sent: Monday, June 28, 2021 3:55 PM
To: Houle, Brian (Crofton)
Subject: Weekly Watershed Update June 28

Good day,

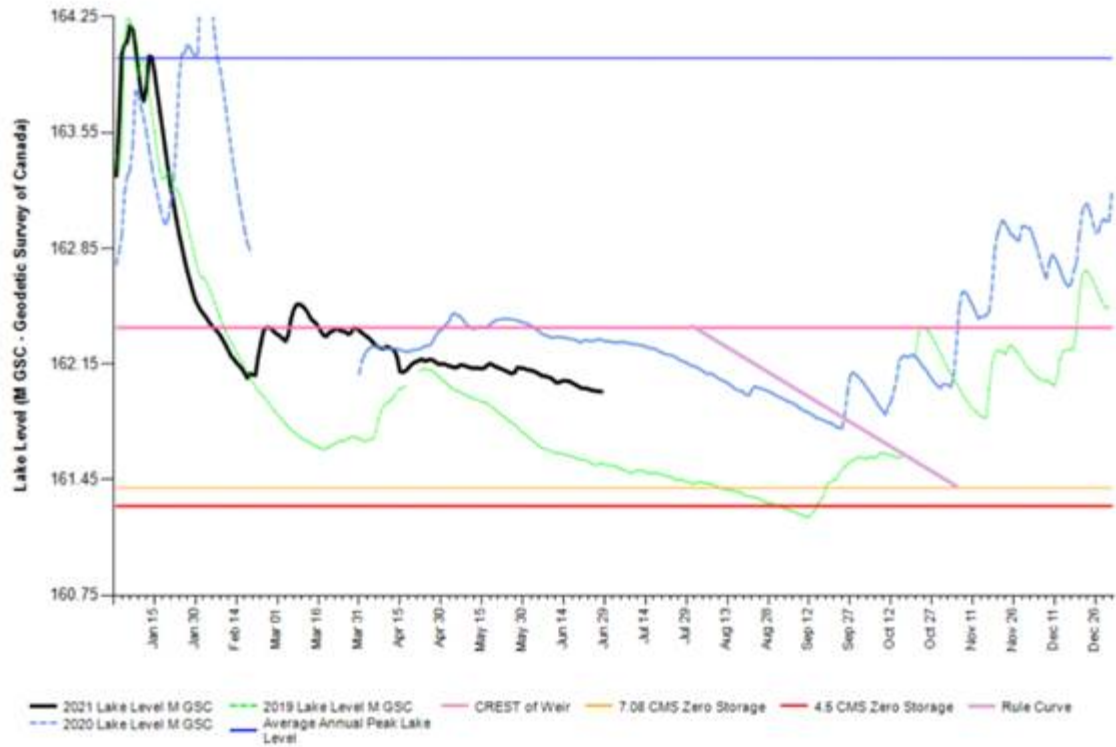
What a cooking hot weekend and the heat continues into this week.
The hot weather has reduced the snow pack indication to zero snow pack remaining.
We have the water that is in the lake and the lake is 60% full.
Last year conditions were much better with nearly 100% full lake on this day.

When weather is this hot, the lake also sees more loss of water through “evapotranspiration”, water moving from the surface of the lake and directly to the air above.
The guide that helps with flow decisions is no longer impacted by snow pack and currently guides that there is enough water in lake to sustain 7 cms for now.
In coming weeks the rate of decline in lake level will define whether discussion is needed for flow reductions given the lake level is only “just above” the line that would guide 5.5 cms river flow.

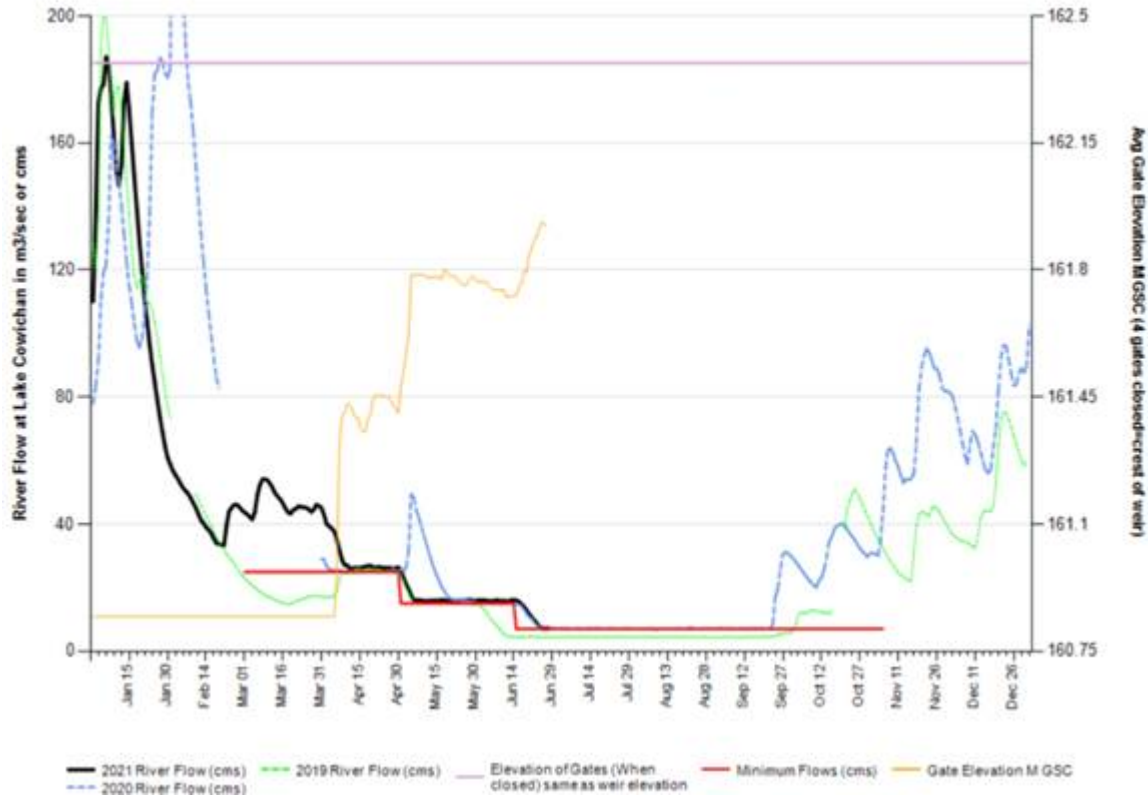
Water survey of Canada representatives were at the lake today and have re-calibrated the river flow gauge in Lake Cowichan.
A small increase in river flow will be made today to correct for the change in flow calibration that was made this morning.

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

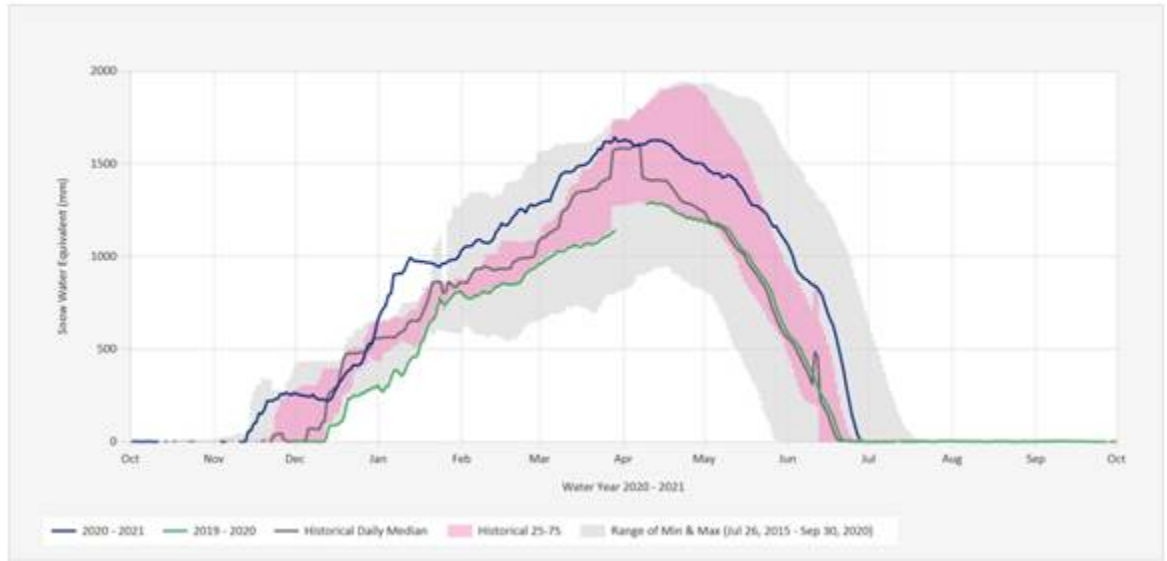
2021 Cowichan Lake Level - 2021 (Black) & 2020 (Blue) & 2019 (Green)



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



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

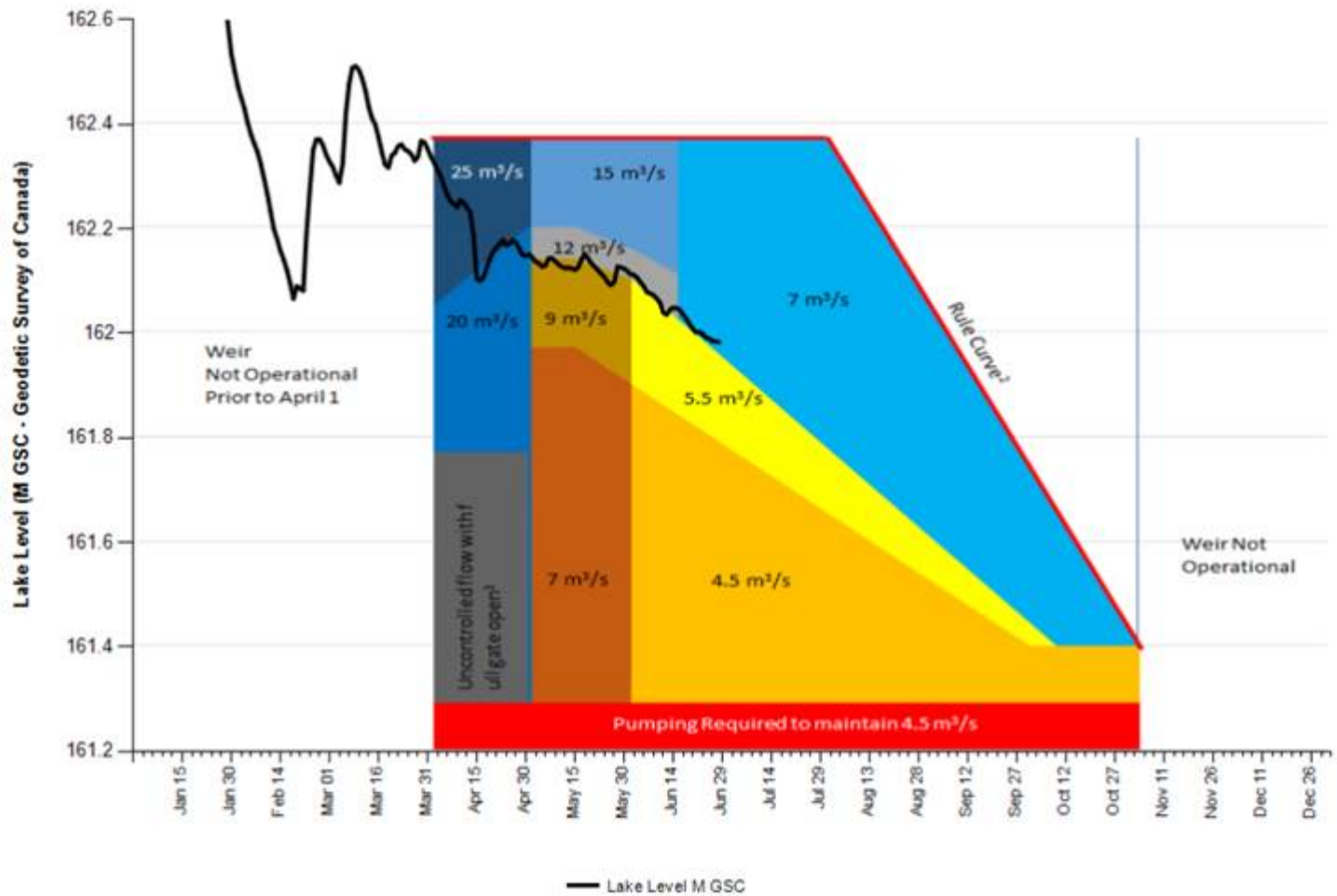


Next 7 Days



	Tue 06/29 Sunny	Wed 06/30 Mainly sunny	Thu 07/01 Mainly sunny	Fri 07/02 Sunny	Sat 07/03 Mainly sunny	Sun 07/04 Sunny	Mon 07/05 A mix of sun and clouds
	39°	28°	27°	29°	28°	27°	24°
Feels like	43	32	31	33	32	31	27
Night	17°	16°	15°	16°	16°	15°	13°
POP	0%	10%	10%	10%	20%	10%	20%
Wind (km/h)	9 s	9 SW	4 s	5 SE	5 NE	5 N	6 SE
Wind gust (km/h)	14	14	6	8	8	8	9
Hrs Of Sun	16 h	13 h	13 h	14 h	11 h	14 h	8 h

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



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