

Houle, Brian (Crofton)

From: Houle, Brian (Crofton)
Sent: Monday, August 29, 2022 9:29 AM
To: Houle, Brian (Crofton)
Subject: Watershed Update: August 29, 2022

Good day everyone,

Conditions remain excellent in the watershed, regarding water levels and the hot dry summer weather.

Sunshine continues to be predicted for coming 7 days.

The flow from Cowichan Lake was bumped up to 7.5 cms last week in order to not have lake level rise to above the rule curve.

The sloped rule curve is the guidance the provincial water manager provides Catalyst Paper and is the maximum allowed lake level if on control.

Catalyst is only authorized to actively control river flow from the lake if the lake level is below the sloped rule curve line – purple line in trend below.

As you can see with previous 2 years of weir operation, that when rainfall arrives in Sept/Oct, lake level can rise quickly if the rainfall is substantial.

With the lake level very close to the maximum authorized lake level, a sudden rainfall event can result in the need to shift the weir to off control – all control gates 100% open.

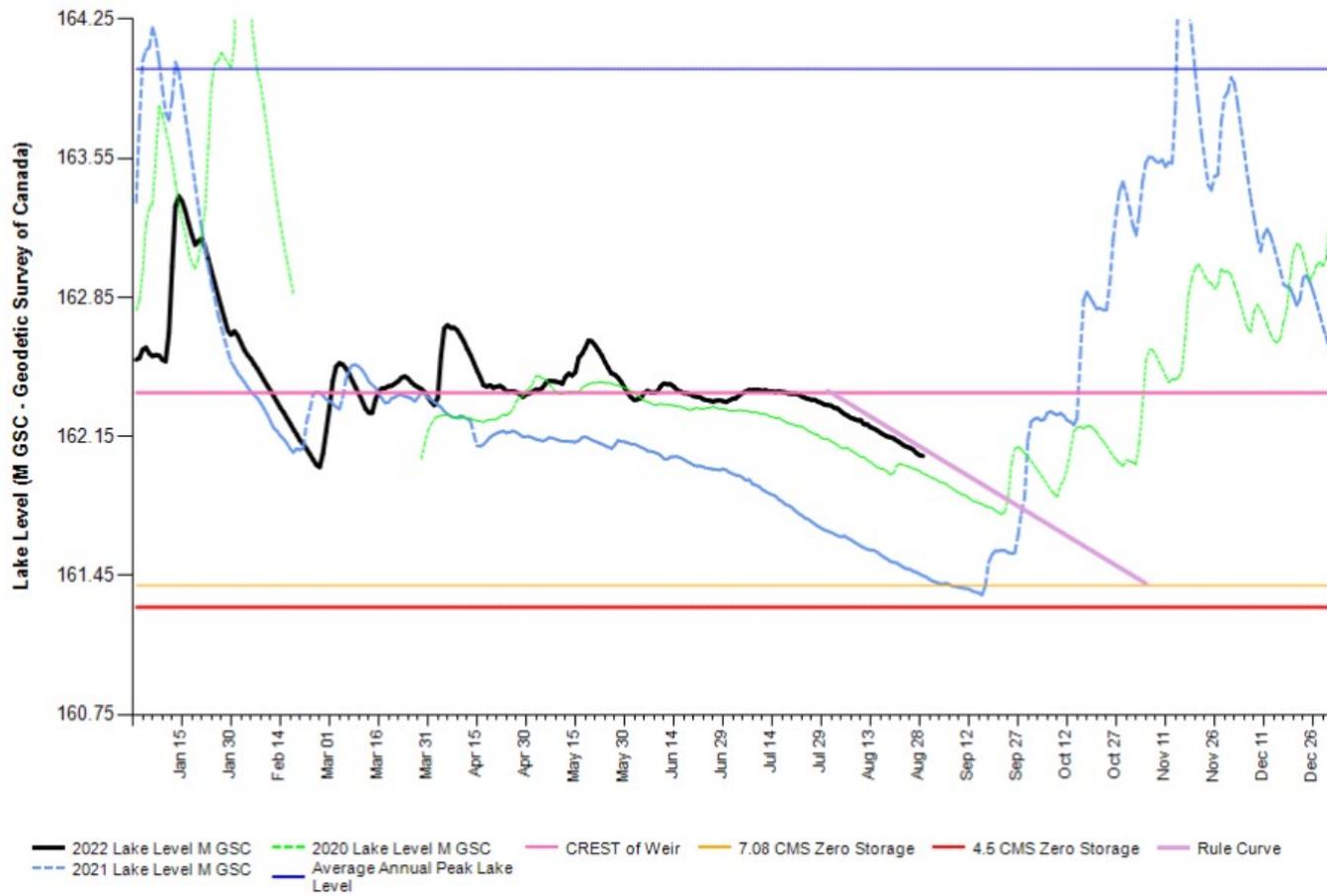
If lake level were to rise above the rule curve lake level, river flow increases would be made at about 5 cms rise in flow each day until lake level is back below rule curve or all gates are open and the weir is off control.

The current lake level, if all gates were open, would generate over 18 cms river flow.

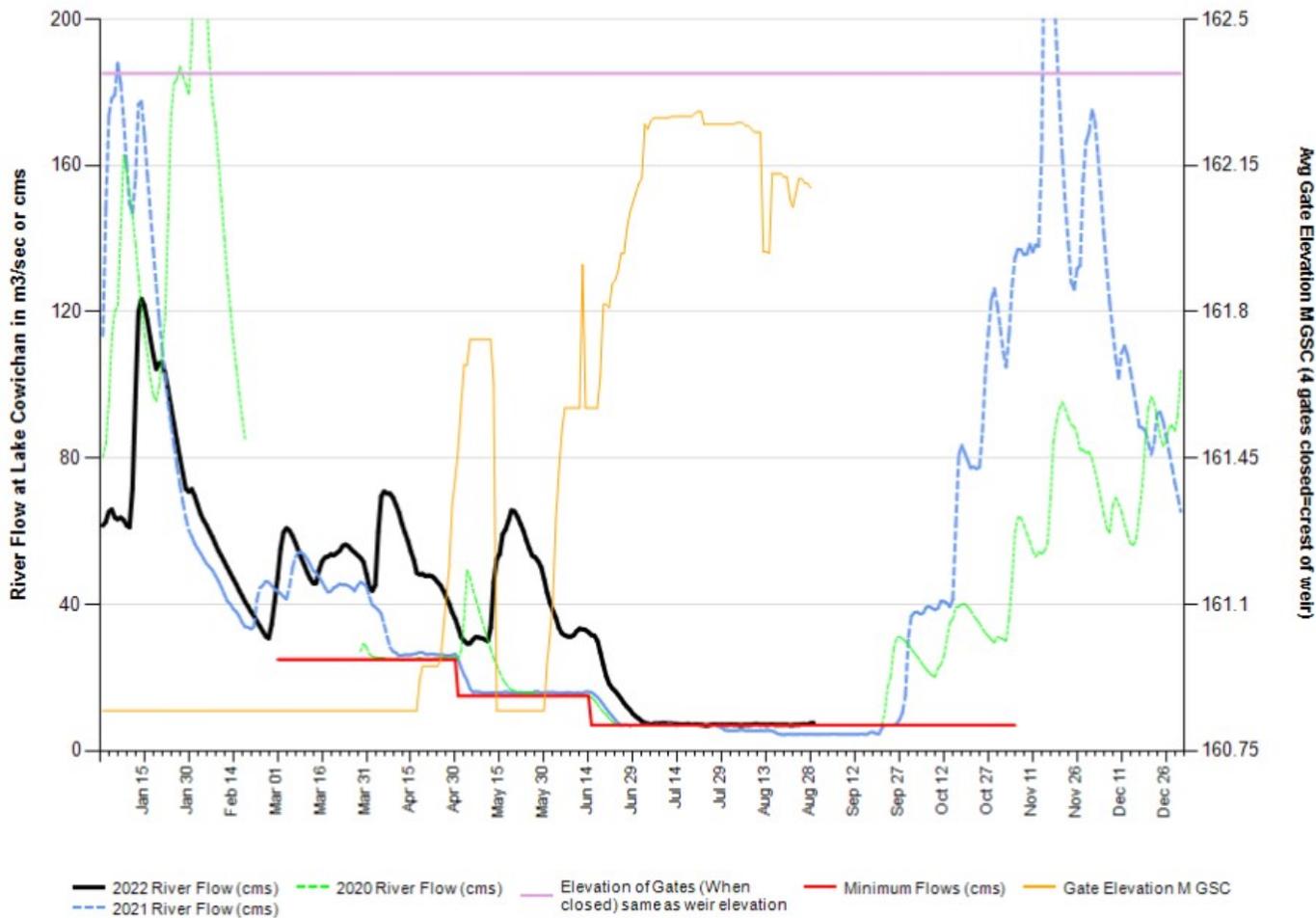
Rainfall of substance is not expected until October typically.

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

2022 Cowichan Lake Level - 2022 (Black) & 2021 (Blue) & 2020 (Green)



2022 Cowichan River Flow - 2022 (Black) & 2021 (Blue) & 2020 (Green)



Next 7 Days



	Tue 08/30 Mainly sunny	Wed 08/31 Sunny	Thu 09/01 Sunny	Fri 09/02 Sunny	Sat 09/03 A mix of sun and clouds	Sun 09/04 A mix of sun and clouds	Mon 09/05 Mainly sunny
	30°	31°	31°	25°	23°	27°	26°
Feels like	35	37	34	27	25	31	29
Night	18°	16°	16°	14°	14°	14°	13°
POP	10 %	10 %	20 %	10 %	30 %	20 %	20 %
Wind (km/h)	6 E	5 N	5 SE	9 SE	10 W	8 NE	6 N
Wind gust (km/h)	9	8	8	14	15	12	9
Hrs Of Sun	11 h	13 h	12 h	12 h	6 h	7 h	10 h
24 Hr Rain	-	-	-	<1 mm	-	-	-

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