

Houle, Brian (Crofton)

From: Houle, Brian (Crofton)
Sent: Monday, August 30, 2021 10:00 AM
To: Houle, Brian (Crofton)
Subject: Watershed update August 30

Good day everyone,

Conditions at the lake remain unsure given lack of rainfall.

Simple prediction of lake level, if rainfall does not return in coming 3 weeks, is lake will be empty and pumps will be needed.

The application for authorization to use pumps to sustain the river at a base flow of 4.5 cms is in hands of Department of Fisheries and Oceans Canada.

Reducing lake levels brings possible impacts to the SARA listed Vancouver Lamprey which lives only in Cowichan Lake and that complication will impact how the application to use pumps is handled.

For those of you who are new to area, pumps were first installed in 2016 and then, in September, not needed when rainfall arrived in time.

Then in 2019, even more difficult conditions and the pumps were needed for 3 weeks, to prevent Cowichan River flows from diminishing.

Now in 2021, conditions are very similar to conditions in 2016 and while it is possible we will again not need to pump, unable to predict that at this time.

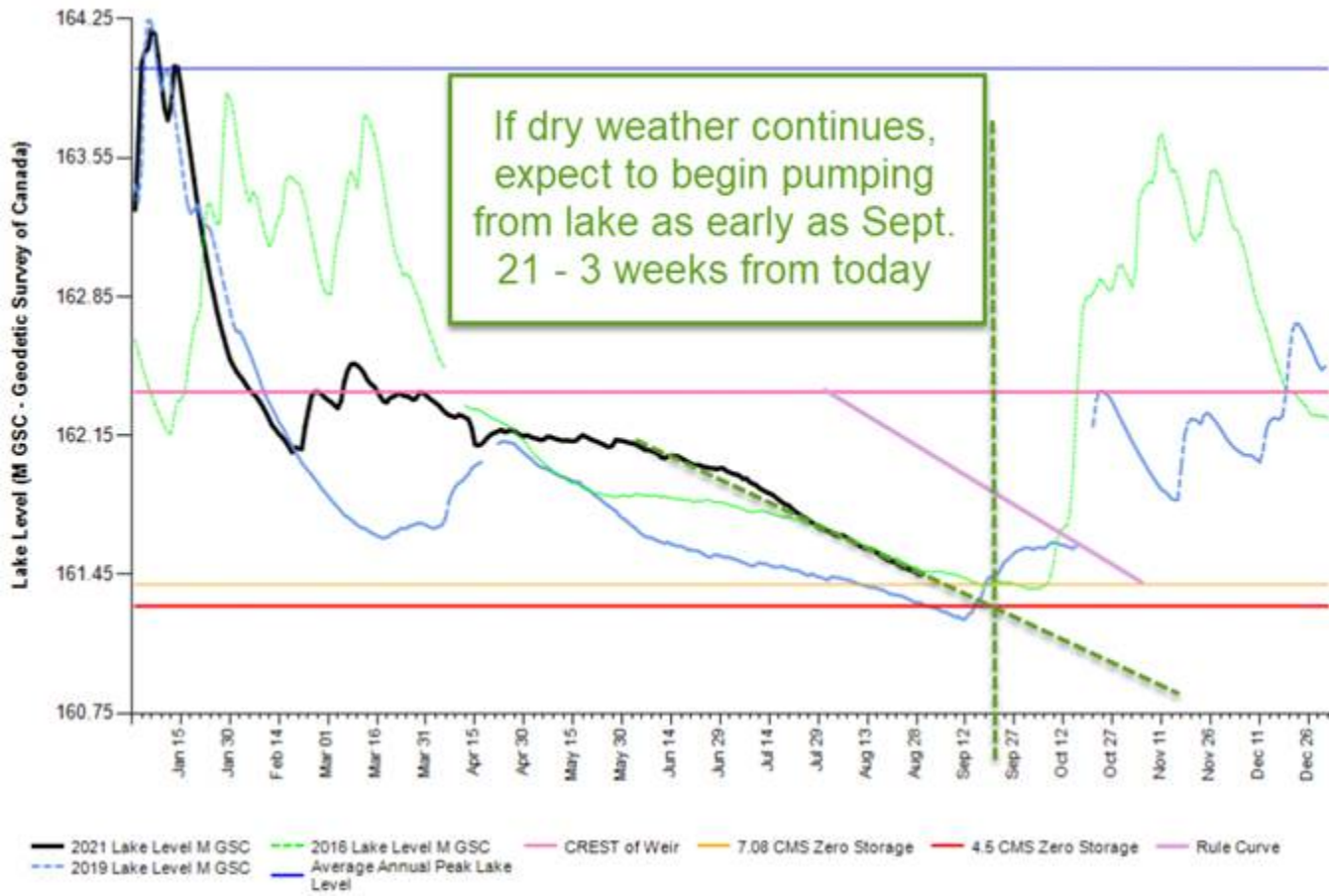
Pumps are now being relocated to the weir and installation will begin.

Weather forecast for coming 7 days is showing some rainfall but not much.

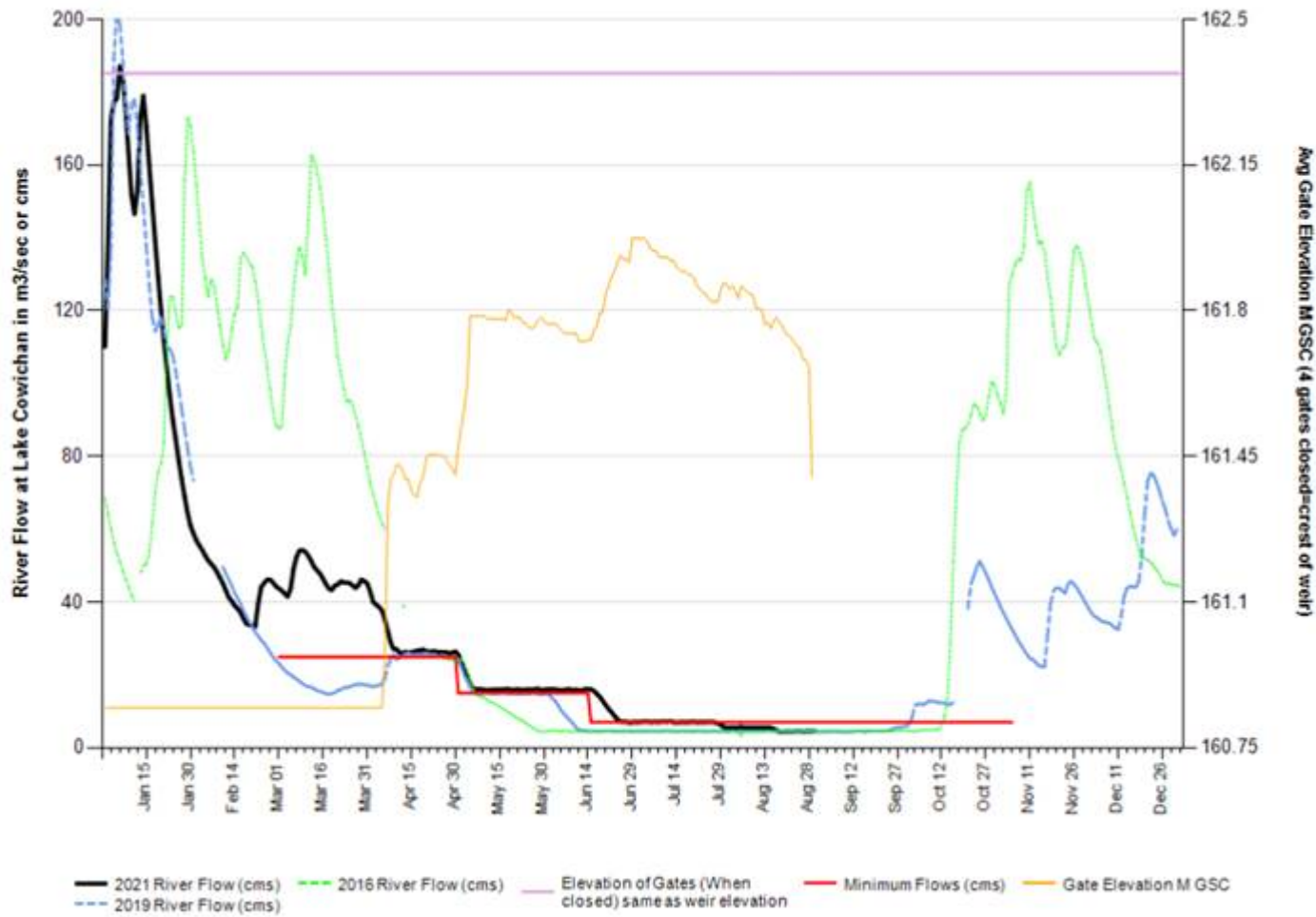
Any rainfall is helpful and still a chance that rainfall will prevent pumps from being needed in 2021.

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

2021 Cowichan Lake Level - 2021 (Black) & 2019 (Blue) & 2016 (Green)



2021 Cowichan River Flow - 2021 (Black) & 2019 (Blue) & 2016 (Green)

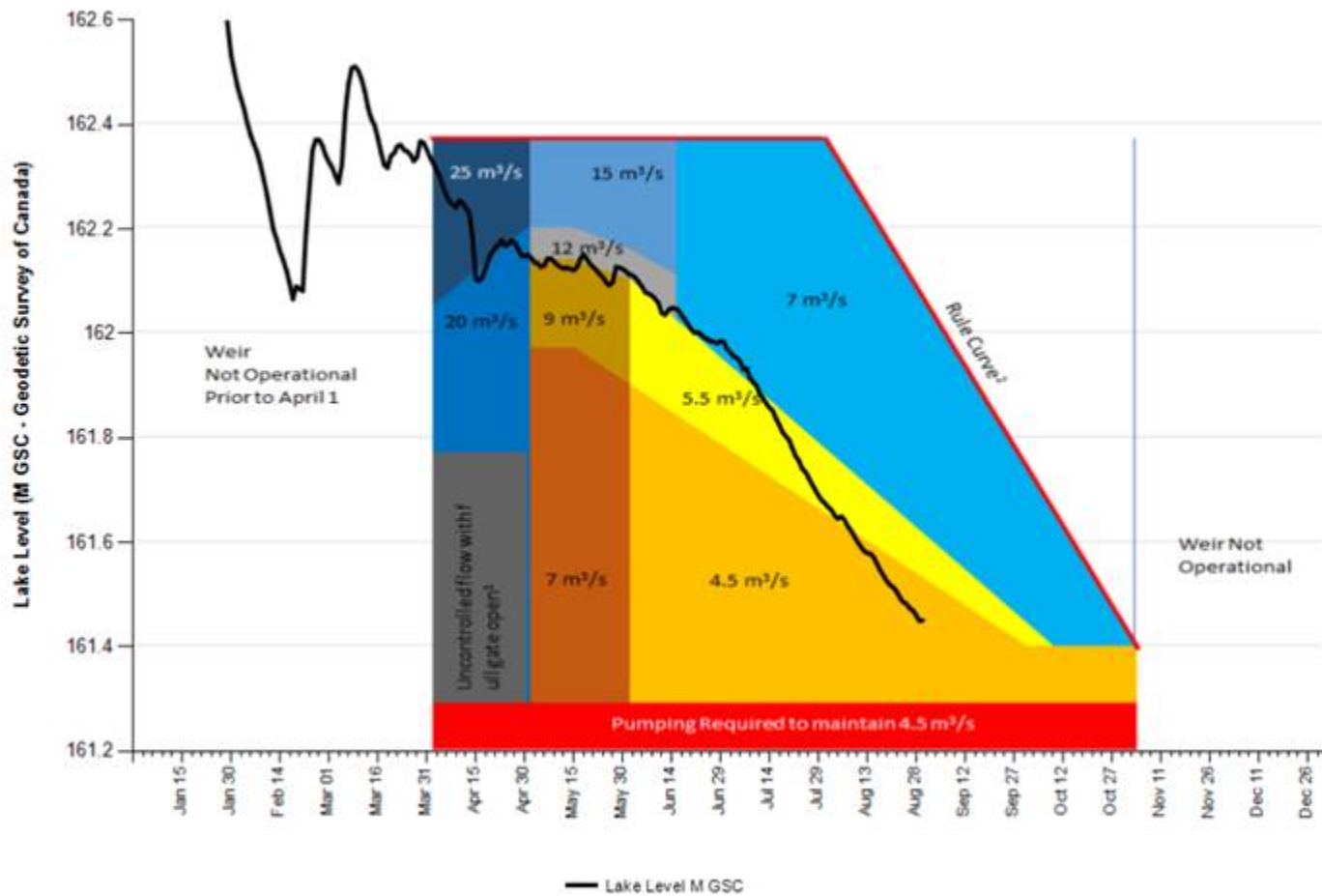


Next 7 Days



	Tue 08/31	Wed 09/01	Thu 09/02	Fri 09/03	Sat 09/04	Sun 09/05	Mon 09/06
	Cloudy with showers	Mainly sunny	Mainly sunny	A mix of sun and clouds	A mix of sun and clouds	Light rain	A mix of sun and clouds
	16°	17°	25°	27°	23°	18°	20°
Feels like	16	17	25	27	23	21	20
Night	9°	11°	14°	14°	13°	12°	12°
POP	40 %	20 %	20 %	30 %	40 %	70 %	30 %
Wind (km/h)	5 W	6 NE	5 E	5 SE	9 S	6 SW	4 S
Wind gust (km/h)	8	9	8	8	14	9	6
Hrs Of Sun	4 h	8 h	10 h	4 h	4 h	1 h	5 h
24 Hr Rain	~1 mm	-	-	-	~1 mm	2-4 mm	-

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



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