



TOWN OF LAKE COWICHAN

Public Works and Environmental Services Committee

Tuesday, March 19th, 2019 at 6:00 p.m. – Council Chambers

AGENDA

1. CALL TO ORDER

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INTRODUCTION OF LATE ITEMS (if applicable)

2. APPROVAL OF AGENDA

3. BUSINESS ARISING AND UNFINISHED BUSINESS

(a) Watermain Upgrades for:

(i) Greendale Trestle- status. (see 7(b))

(ii) Water Treatment Plant – Operating status. (see also 7(a))

(c) Ongoing Items Still Being Addressed:

(i) CLEC Water System-update.

4. DELEGATIONS AND REPRESENTATIONS

(a) Jack Anderson; Greenplan re: Road Access Concerns

5. CORRESPONDENCE

(a) Brian Houle, Catalyst re: Early season update of Cowichan Lake and river

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6. VERBAL COMMENT FROM THE PUBLIC ON A SUBSEQUENT ITEM ON THE AGENDA–
(maximum 3 minutes per speaker and maximum time allotted 15 minutes)

7. REPORTS

(a) Superintendent, Public Works and Engineering Service re: Water Treatment Plant – Outstanding Items

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(b) Superintendent, Public Works and Engineering Service re: Greendale Trestle Water Main Crossing

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8. NEW BUSINESS

(a) Point Ideal Signage re: Location of Lakeview Park

9. NOTICES OF MOTION

10. PUBLIC RELATIONS ITEMS

11. QUESTION PERIOD (maximum 3 minutes per speaker and maximum time allotted 15 minutes)

- Limited to items on the agenda

12. ADJOURNMENT

Please note: Should this meeting end sooner than 7 p.m., the next meeting may start no later than 10 minutes after adjournment of this meeting.

Joseph Fernandez

From: Houle, Brian (Crofton), <Brian.Houle@catalystpaper.com>
Sent: March 15, 2019 3:32 PM
To: Houle, Brian (Crofton)
Subject: Lake and River update

Greetings to all,

Normally a sunny day like today at this time of year is a nice change – this year not so much. The Lake is now 28% full and the dry weather continues and the lake level continues to drop. The rate of drop of lake level slows down as lake level declines and that is helpful. While conditions currently appear to be alarming, the alarm ends when the spring rains begin and how much longer can the weather remain dry? From the following trends I predict in the absence of rainfall and snow melt, release from Lake Cowichan could drop to below 12 cms by next Friday March 22.

From this very unusual condition there are few options to reduce the risk that this low lake level represents to the Cowichan River and watershed. A formal assessment was conducted by Kerr Wood Leidal and from statistical historical information, early control is not a recommended action at this time. Annual spring rainfall and snow melt are predicted to refill the lake as it has every year before.

At this time of year the expectation is for flow in the Cowichan to be at least 25 cms and Catalyst Paper is not authorized to reduce the flow below 25 cms without approvals from regulators. Rainfall and snow melt are now needed to raise lake level enough to achieve the required minimum seasonal flow of 25 cms this year. Reducing the flow in the river to below current 15.5 cms is not authorized without approvals from Fisheries and Oceans Canada, BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development and from Cowichan Tribes.

I have included the current weather prediction for next two weeks and there is rainfall predicted – just not much. I have included the snow pillow information as well and the snow pack continues to show below season average levels.

We need our normal and expected spring rainfall to begin and soon to refill the lake and raise the flow in the river.

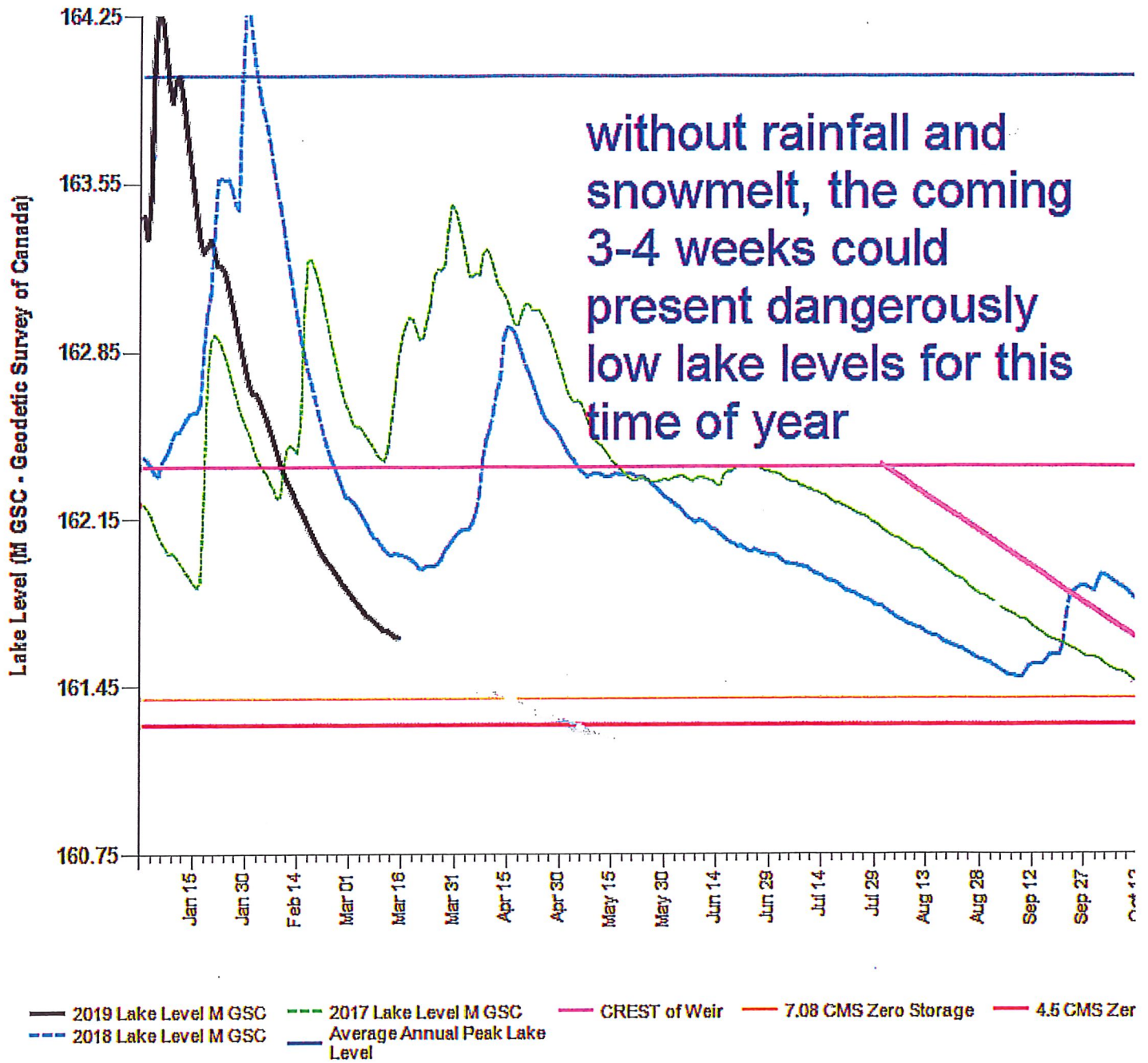
I will issue weekly updates for coming weeks due to the current low lake level.

Weekly conference calls will begin when control begins in April.

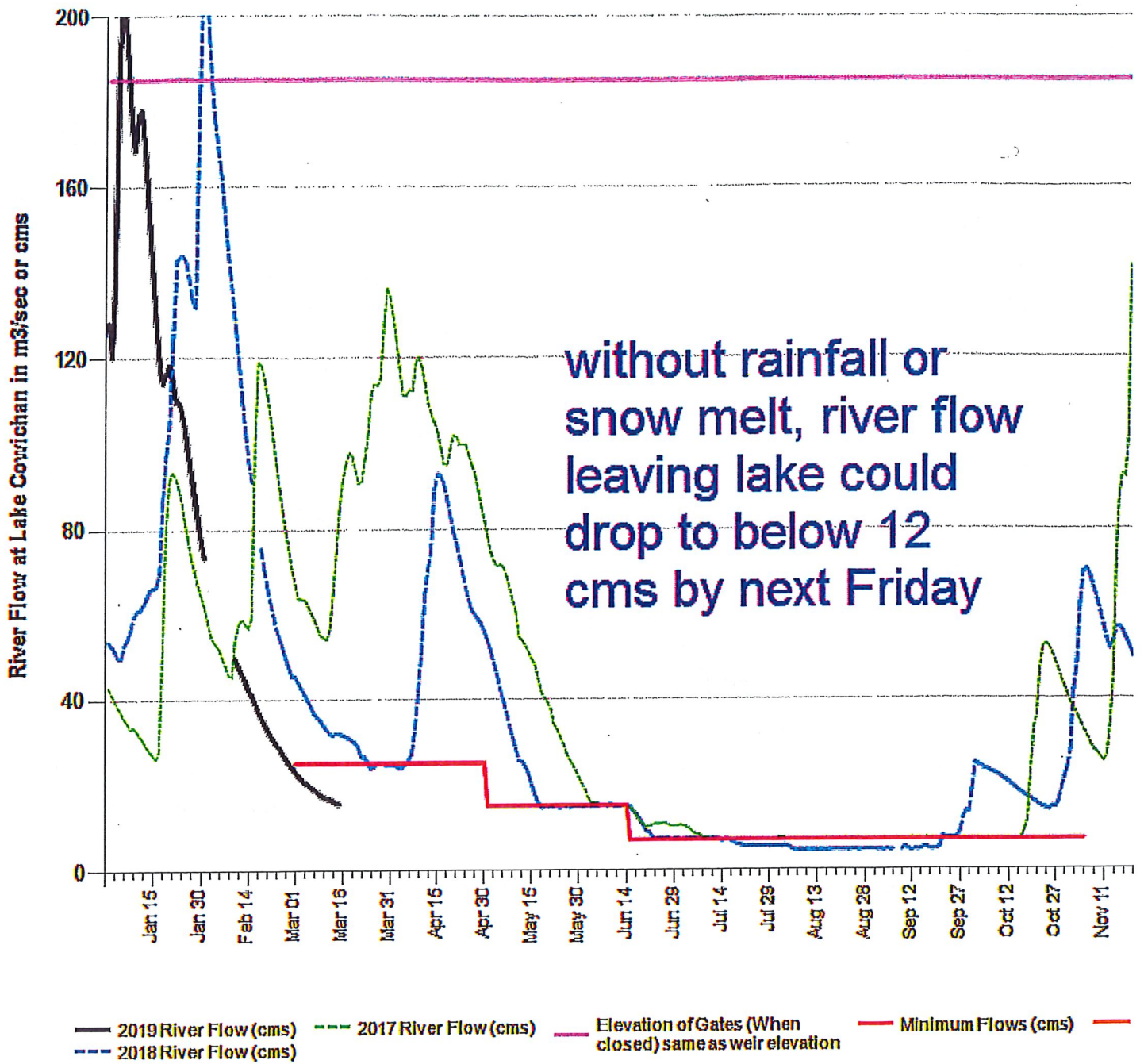
Catalyst Paper is currently working with the governmental agencies involved in this watershed stewardship program to build a plan for the remainder of 2019.

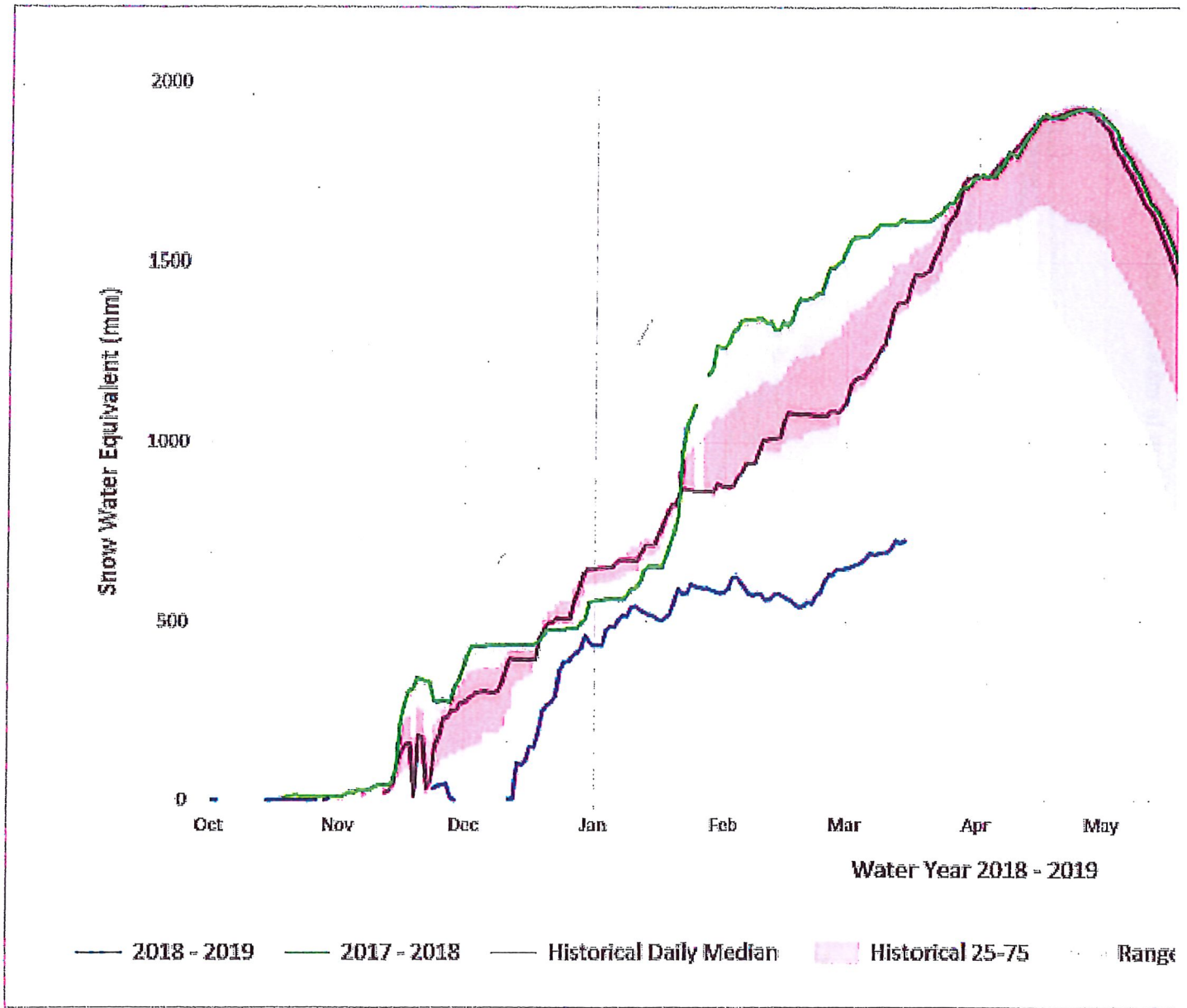
Regards,
Brian Houle
Manager, Environment
Catalyst Paper Crofton Division
250-246-6236

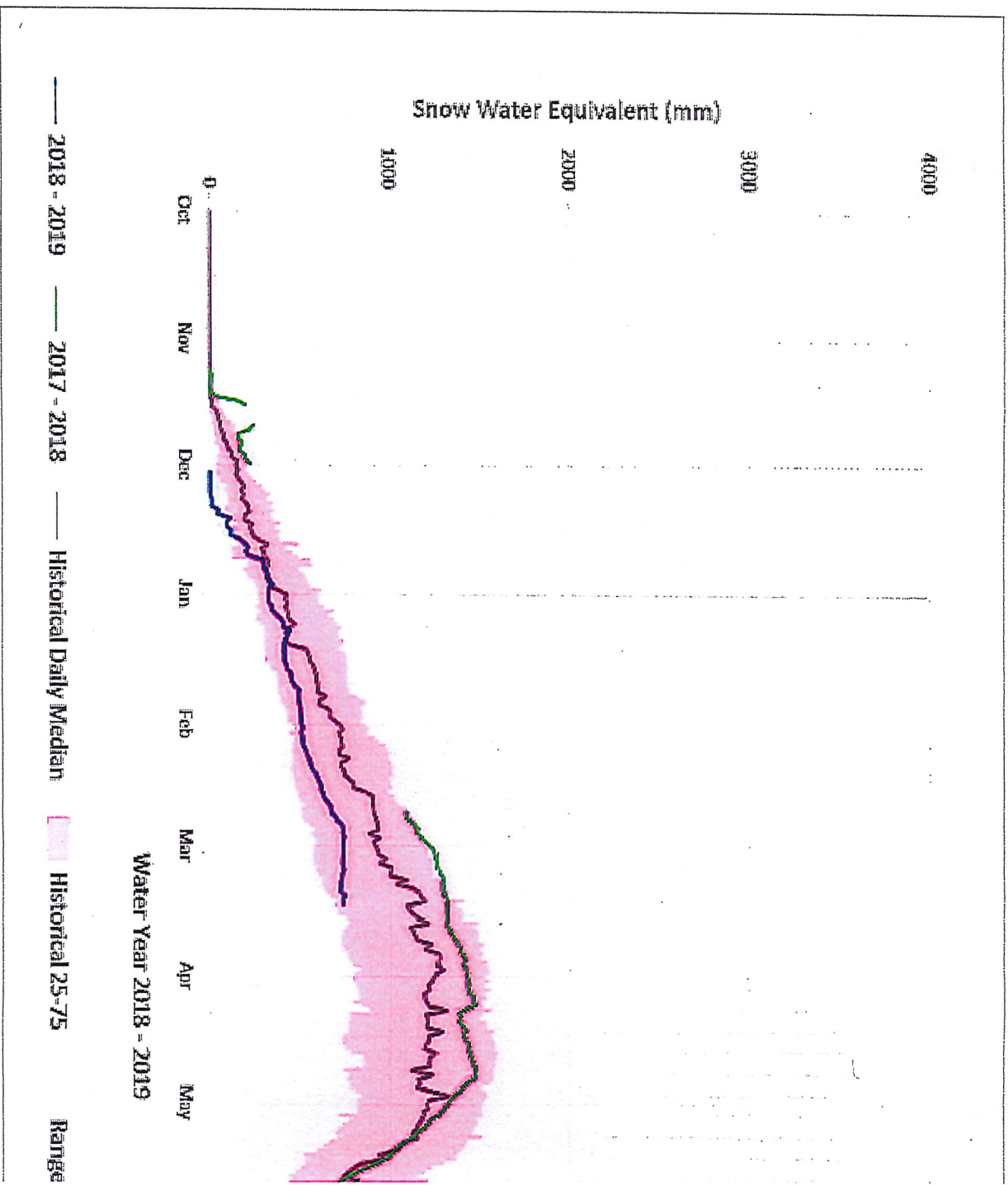
2019 Cowichan Lake Level - 2019 (Black) & 2018 (Blue) & 2017 (Green)



2019 Cowichan River Flow - 2019 (Black) & 2018 (Blue) & 2017 (Green)







Memo



TO: Chief Administrative Officer

SUBJECT: Greendale trestle water main crossing – Update

DATE: March 15, 2019

FROM: Superintendent, Public Works and Engineering Services

The Public Works and Environmental Committee has been updated on the progress of the Greendale trestle water main crossing.

Currently the contractor has installed the water main on the north and south approaches of the trestle. Manufacturing delays of the galvanized brackets have prevented the installation of the insulated water main on the trestle; however, the remaining components should be installed prior to the end of March. Testing of the water main and reinstatement work will follow.

The Public Works Office has not received any complaints regarding this project and intermittent closures of the trestle may be required when installing the water main along the trestle. An updated progress from the Engineering consultant will be available at the Public Works and Environmental Committee meeting.

A handwritten signature in blue ink, appearing to read "T. Auger", written over a horizontal line.

Trevor Auger, ASCT.
Superintendent, Public Works and Engineering Services

Memo



TO: Chief Administrative Officer

SUBJECT: Water Treatment Plant – Outstanding items

DATE: March 15, 2019

FROM: Superintendent, Public Works and Engineering Services

BACKGROUND

The Public Works and Environmental Committee has been updated on the progress of the upgrades to the new Water Treatment Plant.

Currently the water treatment plant is operating in its interim phase which consists of chlorination and ultraviolet treatment. Final operation of the water treatment plant can be attained once the addition of the soda ash system is completed.

Additionally, there is some underground tie-in work required to the existing water supply network prior to the addition of the soda ash system.

Funding for the capital items, as listed below, have been included in this year's budget estimates.

RECOMMENDATION

The committee recommends approval of the following additional capital purchases for the new water treatment plant prior to budget adoption:

- Supply and installation of a Velodyne, or approved equal, manual soda ash bag system - \$250,000
- Underground tie in work – Estimated at \$10,000

A handwritten signature in blue ink, appearing to read 'Trevor Auger'.

Trevor Auger, ASCT.
Superintendent, Public Works and Engineering Services

