From: Kim Lesage
Sent: October 4, 2019 4:46 PM
To: Otter-Lake
Subject: Farm lake culvert

Hello Andrea,

As requested, I carried out a site visit to inspect the Farm Lake Road culvert at Route 301. The culvert itself is in acceptable shape, although I did not carry out a full inspection since it is an MTQ culvert. The water level was using about 25% of the culvert capacity and therefore no water from the lake was being held back due to the culvert size. A few large branches were leaning into the creek which should be removed (if not already), however these did not seem to encumber the normal flow of the watercourse. Since the culvert is not restricting flow from the watercourse, therefore the lake's level is currently considered a 'normal' water level.

If the culvert flows full in the spring, or is holding back water during high water level events, then it would be beneficial to get the MTQ to carry out a watershed analysis to check if the size of their culvert is adequate.

Dredging the edge of the creek, as previously discussed, to remove excess material that has been pushed into the watercourse through snowplowing operations would not significantly lower the water level in the lake because the water level is governed by the watershed characteristics, including precipitation events and outlet structure (i.e., the culvert under Route 301).

With respect to the complaints about snow being pushed towards the creek, we have an MRC Watercourse Management Policy that states we are not allowed to push, deposit or throw snow in a watercourse as part of a snow removal operation because the snow/ice is considered an obstruction that threatens the normal flow of water in the watercourse.

Please do not hesitate to call or email me if you have any other questions.

Kim

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