

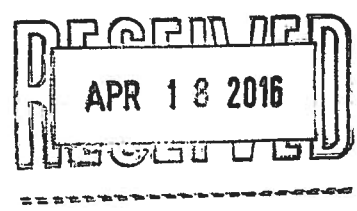
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**From:** Elaine Gunnell  
**Sent:** Monday, April 18, 2016 9:10 AM  
**To:** Tammy Lepage  
**Subject:** FW: Matabitcheun SAC meeting this Thursday - April 7/16

- File  Incoming  Other
- Mayor
- Council   A
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- Finance  S  C
- Ec Dev  S  C
- Parks & Rec  S  C
- Planning  S  C
- Public Wks  S  C
- PPP
- Social Services
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For incoming

*Elaine Gunnell, Dipl. M.A.*  
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**From:** Paul Middleton [mailto:[psmiddleton@ontera.net](mailto:psmiddleton@ontera.net)]  
**Sent:** Saturday, April 16, 2016 9:43 AM  
**To:** [lorieh472@gmail.com](mailto:lorieh472@gmail.com); Patrick Cormier <[cao@temagami.ca](mailto:cao@temagami.ca)>; Elaine Gunnell <[clerk@temagami.ca](mailto:clerk@temagami.ca)>  
**Cc:** Monty Cummings <[building@temagami.ca](mailto:building@temagami.ca)>; Deb Larochelle <[publicworks@temagami.ca](mailto:publicworks@temagami.ca)>  
**Subject:** FW: Matabitcheun SAC meeting this Thursday - April 7/16

All,

Just a follow-up to the water levels report sent out earlier (April 5 – Marcel Pelchat) – ref. **Matabitchuan River System**; see below, which sort of turns the traditional spring predictions on its' head (i.e. that snow melt/water content really only contributes about 10% of the spring freshet ... most coming from precipitation (rainfall) during April-May). Given the rather wonky winter freeze/thaw/snowfalls into springtime, experience this past winter, etc. the result is the different predictions arising now in April 2016 going forward. FYI

Please circulate this info to those you see fit.

Regards,  
Paul Middleton,  
Chair – SAC/MRS.

**From:** CLARKE Mike -OPERATIONS [mailto:[mike.clarke@opg.com](mailto:mike.clarke@opg.com)]  
**Sent:** April-15-16 3:14 PM  
**To:** SAC-MRS  
**Cc:**  
**Subject:** Re: Matabitcheun SAC meeting this Thursday - April 14/16

Folks,

Carlo and Marcel are away, and unfortunately Brian and I were unable to attend yesterday's meeting; our apologies for this. The normal dialogue that we have with this group on water management is excellent and very important to us. To this effect, we thought it prudent to send along an update on current conditions from our perspective to keep you advised.

Inflows and Freshet

As you are undoubtedly aware, winter has been long and freshet is a little behind schedule. We have seen that inflows in the watershed have been consistently higher than normal through the winter due to:

- late 2015 precipitation/snowmelt.
- pulses of water from more recent freeze thaw events.
- and the considerably high levels of new precipitation that this area has received over the last month.

When you compare current inflows to historical inflows we have reached a point in the normal chronology where we would typically see inflated inflows due to snow melt; this year it isn't the case. High inflows have persisted and they are expected to build as the snow begins to melt. Inflows into the Matabitchuan River System are currently approximately 19 m<sup>3</sup>/s.

#### Degree days and Snow Melt

Current forecasts suggests that we will have accumulated the required degree days (i.e. melting days) needed to catalyse freshet by mid-next week.

#### Snow Water Content

In house snow surveys and a review of pertinent snow models suggest that Snow Water Equivalent on the Matabitchuan River System may be double what it is normally. We are showing 185 mm (7.3 inches) of water content remaining in the snow in forested conditions.

#### Water Management Plan Targets

Two WMP targets are in place at the moment:

1. Matabitchuan GS/Four Bass Lake:
  - a. The spawning log is in place to pass the 0.7 M<sup>3</sup>/s flow to support downstream spawning (April 15) for Red Fin Sucker and Walleye.
  - b. As of April 15, water elevation on Four Bass will be held at or above 274.60 to support Walleye spawning.
  
2. Rabbit Lake:
  - c. On a reasonable effort basis, target the build of Rabbit Lake to an elevation to 291.40 by May 1<sup>st</sup> to support walleye spawning.

If there are any questions please do not hesitate to ask.

Best Regards,  
M

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