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## Fwd: 2019 Iqaluit Water Supplementation Project - Baseline Conditions and Aug 25-Sept 13

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From: **Bonhomme, Erica** <Erica.Bonhomme@stantec.com>  
Date: Sun, Sep 15, 2019 at 2:20 PM  
Subject: 2019 Iqaluit Water Supplementation Project - Baseline Conditions and Aug 25-Sept 13  
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***Ref: 19-HCA-00969 Letter of Advice and 3AM-IQA1626 – 2019 Iqaluit Water Supplementation Project***

Hello Richard, Neil and Derek,

Attached please find a memo reporting on baseline conditions in the Apex River, Unnamed Lake and Lake Geraldine prior to commencement of pumping operations August 25, 2019.

Also attached are daily records as based on the Operational Monitoring Plan.

As of September 13:

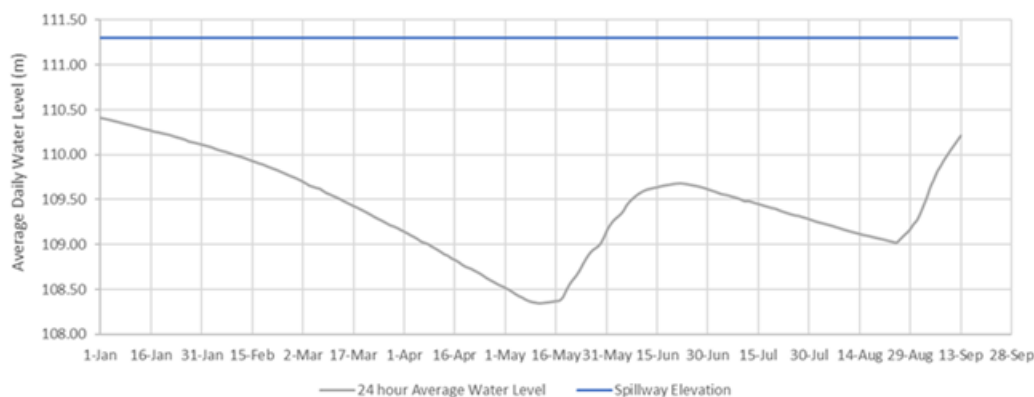
### **Pumping Summary:**

- Cumulative 258,791 m<sup>3</sup> pumped from Unnamed Lake (estimated); daily average pump rate was 122 L/s
- Cumulative 287,444 m<sup>3</sup> pumped from Apex River; average pump rate was 186 L/s (combined)

### **Lake Geraldine:**

Average water level for September 13<sup>th</sup> was 110.209 m. Based on available bathymetry data, this reflects approximately 355,000 m<sup>3</sup> of room available in the reservoir.

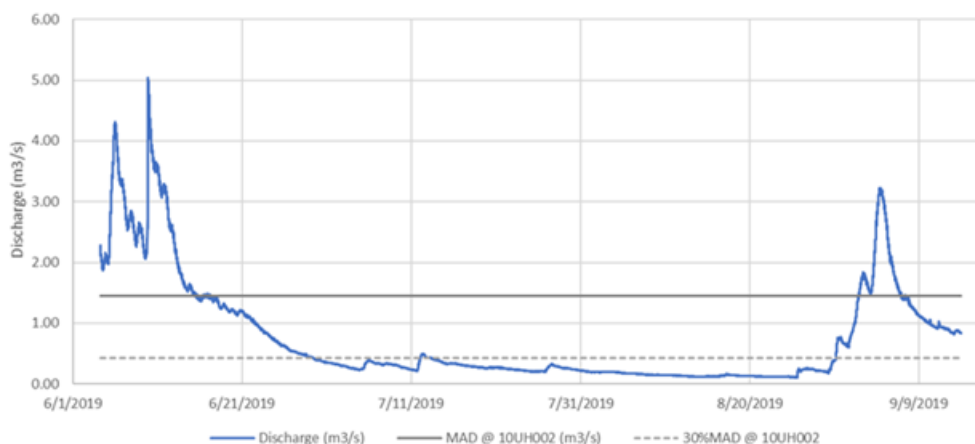
### 2019 Lake Geraldine Reservoir Water Levels (WSC Station 10UH013)



### Apex River:

Average 24-hour discharge at WSC station 10UH002 on September 13<sup>th</sup> was 0.855 m<sup>3</sup>/s, which is above the calculated 30%MAD threshold.

### 2019 Apex River Flows (Discharge data from 10UH002, MAD estimated from 1973-2017)



Please let me know if you have any questions.

Erica

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