



## **TOWNSHIP OF MELANCTHON ELECTRONIC MEETING THURSDAY, APRIL 7, 2022 - 9:00 A.M.**

Join Zoom Meeting

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Meeting ID: 820 6280 6066

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Meeting ID: 820 6280 6066

Passcode: 667556

### **AGENDA**

- 1. Call to Order**
- 2. Land Acknowledgement Statement**

*We will begin the meeting by sharing the Land Acknowledgement Statement:*

We would like to begin by acknowledging that Melancthon Township recognizes the ancestral lands and treaty territories of the Tionontati (Petun/Wyandot(te)), Haudenosaunee (Six Nations), and Anishinaabe Peoples. The Township of Melancthon resides within the lands named under the Haldimand Deed of 1784 and the Lake Simcoe-Nottawasaga Treaty (Treaty 18).

These territories upon which we live and learn, are steeped in rich Indigenous history and traditions. It is with this statement that we declare to honour and respect the past and present connection of Indigenous peoples with this land, its waterways and resources.

- 3. Declaration of Office – Councillor Bill Neilson**
- 4. Announcements**
- 5. Additions/Deletions/Approval of Agenda**
- 6. Declaration of Pecuniary Interest and the General Nature Thereof**

7. **Approval of Draft Minutes**
  - March 17, 2022
  - March 24, 2022 – Special Meeting
  - March 30, 2022 – Special Meeting
8. **Business Arising from Minutes**
9. **Point of Privilege or Personal Privilege**
10. **Public Question Period** (Please visit our website under Agendas and Minutes for information on Public Question Period)
  1. Email from Dina Barazza
11. **Public Works**
  1. Accounts
  2. Report from Donna Funston, Acting Roads Sub-Committee Secretary, Recommendations from March 21, 2022 Meeting
  3. Discussion on speed limit reduction for the 5<sup>th</sup> Line OS and 4<sup>th</sup> Line NE (direction from Roads Sub-Committee meeting held on March 21<sup>st</sup>, 2022)
  4. Other
12. **Planning**
  1. Applications to Permit
  2. Other
13. **Strategic Plan**
14. **Climate Change Initiatives**
15. **Police Services Board**
16. **Committee/Board Reports & Recommendations**
  1. Report from Donna Funston, Secretary Environmental Sustainability Committee, Recommendations from March 18, 2022 Meeting
17. **Correspondence**

#### **Board & Committee Minutes**

1. CDRC – January 26, 2022
2. Mulmur-Melancthon Fire Board – February 1, 2022
3. Shelburne Public Library – February 15, 2022
4. GRCA General Membership – March 25, 2022
5. NVCA Board Meeting Highlights – March 2022

#### **Items for Information Purposes**

1. Town of Mono Resolution regarding Federal Government Provide Greater Support Ukraine
2. Town of Wasaga Beach Resolution regarding County of Simcoe Regional Government Review Service Delivery Task Force– Fire Services
3. Email from Althea Alli regarding Dufferin County Multicultural Foundation
4. NDACT Media Release March 18, 2022
5. Port Colborne Resolution regarding Year of the Garden 2022
6. H.J Lyon Letter to Honourable Sylvia Jones regarding Use of Development Charge Reserve Funds
7. Letter from Ministry of Municipal Affairs and Housing regarding Amendments to Greenbelt Plan (2017)
8. NVCA Media Release – Spring Tonic Maple Syrup Festival
9. Town of Georgina Resolution regarding Goods Traced To Have Originated From Russia

10. Letter from Ministry of the Solicitor General regarding Compliance with EMCPA in 2021
11. City of Cambridge Resolution regarding Request to Impose a Moratorium On All New Gravel Applications, Including Expansions to Existing Licensed Sites
12. Letter from Ministry of Municipal Affairs and Housing, More Homes for Everyone Plan
13. Strada 2021 Annual Compliance Report – Strada Shelburne Pits 1-4

#### **Items for Council Action**

1. NDCC Board of Management Motion from March 14, 2022 Meeting
2. Letter from Town of Orangeville – Vehicle For Hire By-law

#### **18. General Business**

1. Accounts
2. Notice of Intent to Pass By-law
  1. By-law to Authorize an Agreement Between Township of Melancthon and The Town of Orangeville for By-law Enforcement Services
  2. By-law to Adopt The Estimates of All Sums Required During The Year and To Strike The Rates of Taxation
3. New/Other Business/Additions
  1. Report from Denise Holmes, CAO/Clerk – Municipal Election – Use of Corporate Resources Policy
  2. Report from Tracey Atkinson, CAO/Clerk/Planner and Heather Boston, Treasurer, Township of Mulmur regarding NDCC Board of Management
4. Unfinished Business
  1. Memorandum from Denise Holmes, CAO/Clerk - Amendment To Township Social Media Policy
  2. Memorandum from Denise Holmes, CAO/Clerk - Draft Horning's Mills Community Hall Rental Agreement
  3. Covid Policies and Procedures – Vaccination Policy and In-person Council meetings (Hybrid)
  4. Amendment to Township Procedural By-law
  5. Full Scale Review for NDCC Agreement, Comments from Council & Cost Benefit Analysis Report
  6. NDCC Final 2022 Budget
  7. CDRC Capital Costs – Number of Melancthon Users using the facility
  8. Township Diversity Policy
  9. Retaining the services of a Planner/Planning Consultant for Land Use Planning Applications
  10. Replacement Board/Committee Council Member for the following Boards/Committee: Southgate Recreation Advisory Committee, Upper Grand Watershed Committee, Shelburne and District Fire Department, Roads Sub-Committee, Road Safety Task Force
  11. NDCC Board of Management Vacancy – Appointment of New Member (**Note – Council may go into Closed Session, if necessary, for this matter as notice is provided below under Closed Session**)

#### **19. Delegations**

1. **9:30 a.m.** – Debbie Fawcett – Invited by Council to give a presentation on the Federation Women's Institute of Ontario's 125<sup>th</sup> Anniversary and Plaque Presentation by Mayor White and Members of Council
2. **9:45 a.m.** – Althea Alli - Dufferin County Multicultural Foundation – Requesting Township to become a Registered Member
3. **11:00 a.m.** – Jane Parnell, Ministry of Municipal Affairs and Housing to give a presentation on the Municipal Councillor's Guide and the Role of

Being a Councillor & Guy Giorno, Township Integrity Commissioner to give a Presentation on the Council Code of Conduct and Conflict of Interest **(Note – this Delegation/Presentation may be held in Closed Session if Council wishes under Section 239 (3)(a)(b)– “The meeting is held for the purpose of educating or training the members, so long as no member discusses or otherwise deals with any matter in a way that materially advances the business or decision-making of the Council”, as notice is provided below under Closed Session)**

**20. Closed Session (if necessary)**

1. Approval of Draft Minutes – March 17, 2022, Special Meeting March 24, 2022 and Special Meeting March 30, 2022
2. Business Arising from Minutes
3. The meeting is held of the purpose of educating and training the members. At the meeting, no member discusses or otherwise deals with any matter in a way that materially advances the business or decision-making of the Council. (Delegation/Presentation at 11:00 a.m.)
4. Personal matters about an identifiable individual, including municipal or local board employees – NDCC Board of Management Representative Application for Vacancy **(Unfinished Business # 11)**
5. Rise With or Without Report from Closed Session

**21. Third Reading of By-laws**

**22. Notice of Motion**

**23. Confirmation By-law**

**24. Adjournment and Date of Next Meeting – Thursday, April 21, 2022 at 5:00 p.m.**

**25. On Sites**

**25. Correspondence on File at the Clerk’s Office**

## Denise Holmes

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**From:** Dina Barazza [REDACTED]  
**Sent:** Thursday, March 31, 2022 2:51 PM  
**To:** Denise Holmes  
**Cc:** Darren White  
**Subject:** RE: Request to pass along my questions

Hi Denise,

Thank you for the follow up and found the report to be very comprehensive and informative. My questions were addressed except for one. See below more context.

I did not see a plan or acknowledgement to support the melancthon-nottawasaga townline [REDACTED] as there are two major issues;

- 1) The inability to see north before pulling out to go south ( there have had several accidents and fatalities in the six years I have been a full time resident) – this is the main safety issue along with speed
- 2) In addition to excessive speed, more than 80 km as you can hear "certain high performance cars and 18 wheeler trucks" bottom out and hearing that all day and night is not good for anyone's heart rate

It would be unrealistic to think about a stop light at this intersection, so what I wonder about is how we can reduce speed to make the turn more safe?

Lastly, will there be an opportunity to collaborate with other counties ( Grey and Simcoe) given this pain point intersection is at the three county points. Trust there is some other collaboration with road safety with other municipalities and townships to share resources, best practices, and possible future procurement vendors to maximize on cost efficiencies, etc. ?

Have a great day,  
Dina

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**From:** Denise Holmes <dholmes@melancthontownship.ca>  
**Sent:** March 31, 2022 2:27 PM  
**To:** Dina Barazza [REDACTED]  
**Cc:** Darren White <dwhite@melancthontownship.ca>  
**Subject:** RE: Request to pass along my questions

Hi Dina,

I am just following up with you regarding the responses given by Council at the meeting held on March 17<sup>th</sup>, 2022, and wondered if they addressed your questions or if you require further follow up?

Thank you.

**Denise B. Holmes, AMCT**  
**CAO/Clerk, Township of Melancthon**

**From:** Dina Barazza [REDACTED]  
**Sent:** Thursday, March 3, 2022 10:40 AM  
**To:** Denise Holmes <[dholmes@melancthontownship.ca](mailto:dholmes@melancthontownship.ca)>  
**Cc:** Darren White <[dwhite@melancthontownship.ca](mailto:dwhite@melancthontownship.ca)>  
**Subject:** Request to pass along my questions

Hi Denise,

I am sorry that I Was unable to stay for the whole meeting today, as I have meetings most of today.

I would like to put forward some questions, as I have reviewed the road safety report ( which is very well done and appreciate the graphics).

- What other municipalities did we review or compare with?
- How has the pedestrian zone signs worked in other places? Stats? Metrics
- Is there a plan to create a dual or joint task force with other townships ? (so we can share resources and learn from each other)
- Where does the PSB fall into future work?
- As our county grows..we will require a benchmark of data for a starting point to measure going forward. Are the OPP able to share stats on trends in speeding? Fatalities?

Dina

[REDACTED]



The Corporation of  
**THE TOWNSHIP OF MELANCTHON**  
157101 Hwy. 10, Melancthon, Ontario, L9V 2E6

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**CORPORATION OF THE TOWNSHIP OF MELANCTHON  
MEMORANDUM**

**TO: MAYOR WHITE AND MEMBERS OF COUNCIL**

**FROM: DONNA FUNSTON, ACTING SECRETARY ROADS SUB-COMMITTEE**

**SUBJECT: RECOMMENDATIONS FROM ROADS SUB-COMMITTEE MEETING  
MARCH 21, 2022**

**DATE: MARCH 24, 2022**

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**8. General Business**

**7. Road Safety Task Force Final Report**

Member McLean explained the report and that in the future this report and the recommendations included could possibly be part of the Roads Sub-Committee instead of the Roads Safety Task Force remaining in existence. This report is a data driven process to report back and monitor in years to come. Committee was looking for high impact, low cost initiative as a starting point. Discussion on widening shoulders throughout the Township, committee directs Craig to get a quote for 1 meter or 1 kilometer costing for shoulder widening to be considered. Member White will request accident data locations from the OPP at the next Police Services Board Meeting and bring that back to this committee to help determine specific locations and areas that need action.

**Recommendation:**

The Roads Sub-Committee recommends to Council, that an evaluation of traffic calming measures be implemented and start conversations with Develotech to determine best locations of signs and rumble strips throughout the Township. AND; that the Police Services Board requests traffic and collision data from the OPP. AND; to begin researching costs for lawn signs.

PW# 11.2  
APR 07 2022



*The Corporation of*  
**THE TOWNSHIP OF MELANCTHON**  
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**CORPORATION OF THE TOWNSHIP OF MELANCTHON**  
**MEMORANDUM**

**TO: MAYOR WHITE AND MEMBERS OF COUNCIL**

**FROM: DONNA FUNSTON, SECRETARY ENVIRONMENTAL SUSTAINABILITY COMMITTEE**

**SUBJECT: RECOMMENDATIONS FROM ENVIRONMENTAL SUSTAINABILITY COMMITTEE MEETING MARCH 18, 2022**

**DATE: MARCH 22, 2022**

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**8 General Business**

**2. Email from Scott Martin Regarding Phragmites Suggestions and Noxious Weed List**

Suggestion was made to do a road tour with Council, Craig and the ESC Committee to locate phrag, educate and start mapping areas. Possibly have volunteers help to identify problem areas.

**Recommendation:**

The Environmental Sustainability Committee recommends engaging in a mapping process with the Roads Department to identify where phrag is located in Melancthon and how to deal with the areas. Mapping and tracking has to be done consistently to be effective. Educating the residents is a key component.

*Rec # 16.1*  
APR 07 2022



**CENTRE DUFFERIN RECREATION COMPLEX**

**BOARD OF MANAGEMENT**

**Minutes of the Regular meeting held January 26, 2022 via ZOOM**

Attendance:	Lindsay Wegener	Shelburne
	Steve Anderson	Shelburne
	Dan Sample	Shelburne
	Chris Gerrits	Amaranth
	Heather Foster	Amaranth
	Darrem White	Melancthon
	Margaret Mercer	Melancthon
	Melinda Davie	Mono
	Kim Fraser	Facility Administration Manager
	Marty Lamers	Facility Maintenance Manager
	Emily Francis	Recreation Program Coordinator

Absent: Geer Harvey

Meeting called to order by Facility Administration Manager, Kim Fraser at 6:30pm.  
A quorum was present.

Kim Fraser welcomes all board members.

**Elections:**

The floor is opened to nominations for Board Chair

Chairman: Moved by M. Mercer, seconded by H. Foster to nominate Chris Gerrits for CDRC Board Chair. Carried

Chris Gerrits accepts nomination.

Hearing no further nominations:

Moved by H. Foster, seconded by D. Sample to close nominations for CDRC Board Chair. Carried

Chris Gerrits accepts the position of CDRC Board Chair

Chair, C. Gerrits assumes chair of the meeting. C. Gerrits thanks the members and continues with the meeting.

The floor is opened to nominations for Vice-Chair.

Vice-Chair: Moved by M. Mercer, seconded by H. Foster to nominate Melinda Davie for CDRC Board Vice-Chair. Carried

Melinda Davie accepts nomination.

Hearing no further nominations:

Moved by D. Sample, seconded by M. Mercer to close nominations for CDRC Board Vice-Chair. Carried

Melinda Davie accepts the position of CDRC Board Vice-Chair

*Bd/carm #1*  
APR 07 2022

**Committees for 2022:**

See Schedule A

The sub-committee schedule was reviewed. Melinda Davie will replace Laura Ryan on the scheduled. The remainder of the committees will remain the same.

**Declaration of Pecuniary Interests:**

Chair, Chris Gerrits stated that if any member of the board had a disclosure of pecuniary interest that they could declare the nature thereof now or at any time during the meeting.

**Agenda:**

**MOTION #1** – Moved by H. Foster seconded by D. Sample. Be it resolved we approve the agenda dated January 26, 2022 as circulated and presented. Carried

**Discussion & Approval of Minutes of Previous Meeting November 24, 2021:**

**MOTION #2** – Moved by M. Davie seconded by S. Anderson. That the minutes of the CDRC Board of Management regular board meeting held virtually on November 24, 2021 be approved as circulated and presented. Carried

**Finance Committee Report:**

After review of the CDRC financial reports and accounts, the following motion was presented.

**MOTION #3** – Moved by S. Anderson seconded by M. Mercer. That the CDRC Board of Management receive the financial reports and paid accounts in the amount of \$117,524.07, as presented by the Facility Administration Manager. Carried

L. Wegener arrives at 6:42pm

**Human Resource Committee Report:**

One (1) resume received for the concession booth attendant position. The candidate was interviewed on November 30, 2021 and an employment offer was sent. The following motion was presented.

**MOTION #4** – Moved by M. Davie seconded by S. Anderson. Be it resolved that the CDRC Board of Management hires Zoey Kruger for the seasonal 2021-2022 contract concession booth attendant position. Carried

**Policies and Procedures Committee Report:**

Health & Safety Policy Statement: After review, the Board will accept as is and defer to the Policies Committee for further review. The following motion was presented.

**MOTION #5** – Moved by H. Foster seconded by S. Anderson. That the Health and Safety Policy be approved, as presented at the January 26, 2022 regular board meeting. Carried

**Facility Administration Manager and Recreation Program Coordinator Reports:**

See Schedule B

See Schedule C

**MOTION #6** – Moved by M. Davie seconded by D. Sample. That we receive the reports from the Facility Administration Manager and the Recreation Program Coordinator. Carried

**Facility Maintenance Manager’s Report:**  
See Schedule D

**MOTION #7**– Moved by S. Anderson seconded by M. Davie. That we receive the report from the Facility Maintenance Manager. Carried

**MOTION #8**– Moved by S. Anderson seconded by H. Foster. That the Facility Maintenance Manager issue an RFP for a boiler replacement. Carried

**New Business**

**Remainder of Ice Season Report #02-2022**  
See Schedule E

**Security Required to Validate Vaccination Status Report #01-2022**  
See Schedule F

After discussion the following motion was presented.

**MOTION #9**– Moved by S. Anderson seconded by H. Foster. That the CDRC Board continue validating vaccination status using the services of a security company. Carried

Opposed: D. Sample and M. Mercer

**CDRC 2022 Board Meetings:**

The CDRC regular Board Meetings will continue to be the fourth Wednesday of the month.

February 23, 2022	March 23, 2022	April 27, 2022	May 25, 2022
June 22, 2022	July 27, 2022	August 24, 2022	September 28, 2022
October 26, 2022	November 23, 2022		

**Confirmation by By-law:**

**MOTION #10** – Moved by D. Sample seconded by M. Mercer. Be it resolved that leave be given for the reading and enacting of by-law #01-2022 being a by-law to confirm certain proceedings of the CDRC Board of Management for its regular board meeting held January 26, 2022. Carried

**Adjournment:**

**MOTION #11**- Moved by L. Wegener seconded by D. Sample. That we now adjourn at 7:36pm to meet again on February 23, 2022 at 6:30pm, or at the call of the chair. Carried

\_\_\_\_\_  
Secretary - Treasurer

\_\_\_\_\_  
Chairperson

\_\_\_\_\_  
Dated

**SCHEDULE 'A'**

**CENTRE DUFFERIN RECREATION COMPLEX**

**BOARD OF MANAGEMENT**

**COMMITTEES FOR 2022**

<b>PROPERTY/FINANCE COMMITTEE:</b>	<b>CHAIRMAN:</b> Heather Foster <b>Member:</b> Steve Anderson <b>Member:</b> Geer Harvey <b>Member:</b> Darren White <b>Member:</b> Melinda Davie
<b>POOL COMMITTEE:</b>	<b>CHAIRMAN:</b> Chris Gerrits <b>Member:</b> Darren White <b>Member:</b> Lindsay Wegener <b>Member:</b> Dan Sample <b>Member:</b> Melinda Davie
<b>POLICIES &amp; PROCEDURES:</b>	<b>CHAIRMAN:</b> Melinda Davie <b>Member:</b> Heather Foster <b>Member:</b> Steve Anderson <b>Member:</b> Margaret Mercer
<b>HUMAN RESOURCE:</b>	<b>Member:</b> Melinda Davie <b>Member:</b> Margaret Mercer <b>Member:</b> Chris Gerrits <b>Member:</b> Steve Anderson <b>Member:</b> Lindsay Wegener <b>Member:</b> Geer Harvey
<b>HALL OF FAME:</b>	<b>Member:</b> Lindsay Wegener <b>Member:</b> Chris Gerrits <b>Member:</b> Darren White

Chris Gerrits is the CDRC Board of Management Chair for 2022 and is ex-officio on all committees.

Melinda Davie is the CDRC Board of Management Vice-Chair.

SCHEDULE 'B'

Facility Administration Managers Report – January 26, 2022

**General Information:**

- Received the certificate and plaque for my ORFA Certified Recreation Facilities Professional (CRFP) designation.
- One (1) resume received for the concession booth attendant position. The candidate was interviewed on November 30, 2021.
- Changes and updates to bank authorities is complete.
- Closing 2021 financial year end. Reconcile year end reports to HST, source deductions, 2021 t-4's, OMERS, WSIB, etc and preparing 2022 budget info.
- 2022 Canada Summer Job application submitted through the GCOS (Grants and Contributions Online Services) account
- Communicated with facility users and staff regarding facility closures and reopening following Ontario government announcements.

**Old Business:**

**Spring/Summer 2022 Recreation Guide:** As current restrictions and closures continue to complicate things, the distribution date for the 2022 Spring Summer Recreation Guide has been pushed back to March 31, 2022.

**New Business:**

- Attended a virtual technical briefing, hosted by Minister Lisa MacLeod on January 10, 2022 that discussed the new Ontario Business Costs Rebate Program (OBCRP) that will provide eligible businesses required to close or significantly restrict services as a result of provincial public health measures, with a rebate payment of up to 100 per cent for property tax and energy costs incurred. Application information was received on January 19, 2022 and as the CDRC is municipally owned and operated, we are not eligible for the OBCRP.
- Ontario Hockey Federation (OHF) hosted a zoom meeting on January 19, 2022 for Ontario arenas to discuss the remainder of the ice season.
- After the provincial announcement, I attended a virtual technical briefing on January 20, 2022, hosted by Minister Lisa MacLeod and presented by Assistant Deputy Ministers and representatives from the Office of the Chief Medical Officer of Health. The briefing was on the regulatory changes that will ease public health measures.

Kim Fraser  
Facility Administration Manager

## SCHEDULE 'C'

Submitted By: Recreation Program Coordinator Emily Francis  
To: CDRC Board of Management  
Date: Wednesday January 26<sup>th</sup>, 2022  
Subject: Recreation Program Coordinator Report

### December/January Overview

- Continuing to assist with day-to-day operations including phone inquiries, email inquiries etc.
- Prepare and ensure that all necessary contact tracing sheets are ready for each day and COVID-19 protocols compliant (up until January closure).
- Continuing to make updates to the CDRC information on the Town of Shelburne website and actively creating graphics and posting on the CDRC social media.
- CDRC Recreation Programs
  - **Pickleball:** Pickleball has been busy on Wednesday afternoons from 1-3:30pm and Saturday mornings 9:30-12:30pm.
  - **Public Skating:** Public skating is being held Friday afternoon from 4:00-5:00/5:30pm. Additional public skate times were added from December 20-30<sup>th</sup> from 1:30-3:00pm. Each public skate saw between 60-75 skaters.
  - **Adult Skate:** Numbers vary weekly. Will continue once the facility is reopened to offer Adult Skate on Tuesday morning 10:00-11:00am.
  - **55+ Shinny** has seen consistent numbers since it began. On average each Friday we have 15-20 skaters. Will continue once the facility is reopened on January 31<sup>st</sup>, 2022.
  - **Parent and Tot Skate** is held weekly on Wednesday's from 10:30-11:30am. The fee is \$3.00 per skater.
  - **PA Day Camp:** The November PA Day Camp was a huge success. There were 26 campers who attended this program. Campers participated in a wide variety of activities including skating, crafts, indoor and outdoor games. We will not be holding a PA Day Camp in January as planned do to the facility being closed at that time, however we will prepare for a PA Day Camp on June 3<sup>rd</sup>.
  - **Winter Break Day Camp:** The first Winter Break Day Camp was a huge success. Participants had the option to register for the whole week or single days. Each day campers participated in a wide range of activities including outdoor games, skating, indoor crafts, and activities. See below for the Winter Break Day Camp registration numbers.
    - Monday: 26 campers
    - Tuesday: 28 campers
    - Wednesday: 33 campers
    - Thursday: 27 campers
  - **Home Alone Course/Red Cross Babysitter Course:** Both the Red Cross Babysitting Course and Home Alone Safety for Kids courses were offered over the holiday break. Both courses filled up very quickly as it was the first in person course offered in a long while.
    - **Home Alone Safety for Kids:** Wednesday December 29<sup>th</sup>, 2022: 22 participants
    - **Red Cross Babysitting Course:** Thursday December 30<sup>th</sup>, 2022: 16 participants
  - **March Break Day Camp (March 14-18<sup>th</sup>):**
    - Registration is now open for the 2022 1<sup>st</sup> ever March Break Camp. This program is designed for ages 4-12 and is running March 14-18<sup>th</sup>, 2022. Activities include outdoor play and games, daily skating, crafts etc.

- **PA Day Camp (June 3<sup>rd</sup>)**
  - Registration is now open for the PA Day Camp on June 3<sup>rd</sup>, 2020 (Upper Grand Elementary PA Day).
- Continuing to prepare and develop new recreation opportunities after the facility is re-opened.
- **Canada Summer Jobs Grant**
  - The Canada Summer Jobs grant application has now closed. The CDRC has applied for funding to support our 2022 seasonal summer employment opportunities.
- **Summer 2022**
  - **Seasonal Employment Opportunities:** The seasonal summer employment opportunities have now been posted. They are available on the Town of Shelburne website and Indeed. The CDRC is currently hiring to fill the following positions:
    - Head Day Camp Counsellor
    - Day Camp Counsellor
    - Deck Supervisor (Outdoor Pool)
    - Lifeguard/Instructor
  - **2022 Spring/Summer Recreation Guide:** Spring/Summer 2022 content for the recreation guide is due on February 18<sup>th</sup>. I have been in contact with all 4 municipalities regarding their submissions as well as the local clubs, sports, and groups to gather further content.
    - Continuing to develop CDRC spring/summer 2022 content
    - Collecting content from the 4 funding municipalities and local clubs/groups
  - Beginning program development and preparation for reopening.
- **OHF (Ontario Hockey Federation) webinar**
  - OHF hosted a zoom webinar on Wednesday January 19<sup>th</sup>, 2022, with Ontario municipalities to discuss options for the remainder of the hockey season. A follow up meeting is to be held following the announcement made by the Ontario Government.
- **Attending a debrief put on by the Ontario Ministry of Heritage, Sport, Tourism and Culture** discussing the most recent announcement. This webinar provided an overview of the announcement made on Thursday January 20<sup>th</sup>, 2022 and representatives answered any questions from attendees.
- **Canadian Red Cross Announcement**
  - The Canadian Red Cross announced on Tuesday January 11, 2022 that they have decided to wind down the involvement in swim and lifeguard training in order to direct more attention to surging humanitarian demands in other areas. Red Cross is supporting its water safety certification holders to transition to the swim and lifeguard training programs of the Lifesaving Society Canada through the course of 2022.
- **Interested in attending 2-day virtual Ontario Camps Association conference** with keynote speakers focussing on mental health, safety and risk management, COVID and marketing and promotion. The cost is \$150.00 plus HST

SCHEDULE 'D'

Facility Maintenance Managers Report – January 26, 2022

SAFETY

GENERAL INFORMATION:

Covid-19 reviewing and updating guidelines. Arena closed Jan 5, 2022

ESA (Electrical Safety Authority) inspection. 1 minor defect 240-volt receptacle worn; replacement needed electrician will replace next time in when upgrading 3 front vestibule pot lights to LEDS waiting on part this is no longer a standard hole size for pot lights.

Some budget information gathering. Reviewing asset management from SBA

New water heater installed. Working fine

Power scrubber manufacturer defect melting fusible link Part replaced

Repair smaller power scrubber bent arm.

Semi annual kitchen fire inspection completed

Follow up with SBA roof grant money allocation for 2021-year end.

Ice maintenance on going more effort needed to keep lines and logos bright due to water issues.

Guest Wi-Fi usage and interruptions discussed with Dufferin IT (CDRC is a limited use area) have begun to implement limited guest Wi-Fi access. Not resolved but light public use due to covid

Install snow fence to curb tobogganing towards Fiddle Park Lane

Dec 12, 2021, An NTI boiler one of three in series not working. (These units supply heat for all pre 2010 domestic water, old building heat and pool heat.) Control module faulty sourcing part may not be available heard from 2 company's part is hard to source.

Jan 5, 2022, Replacement part not available from manufacturer. Recommend we proceed to Request for Proposal for the replacement of 1 of the 3 boiler units with knowledge that we have another identical unit in the same heating system This and roof cost was the only identified capital in my draft budget as 1 has been rebuilt and the other replaced. Same replacement is no longer available.

Friday Dec 17, 2021, Ice plant overheating Called Kore mechanical found debris restricting water intake to pump removed debris windstorm caused debris to enter condenser

Friday Dec 17, 2021, Fire alarm fault indicated system corrupted called Orangeville Fire Service (OFE) checked system for functionality which was okay a system manufacturer tech will be required to trouble shoot, reprogram, or replace.

Quote submitted to Chris for approval. Manufacture Tech Trouble shoot reload program test system.

Order and install 3 x Emergency lighting units

Replace SMHA Banner and arena dasher board and wall advertising signs.

Continue snow removal around doors and entrances.

Reduced snow removal Parking lots. Begin Jan 3, 2022. Resumed Jan 17 22 for possible liability issues from school users.

Some extra ice maintenance will run ice thinner easier on compressor less electric cost. After week of higher ice temperature noticed heat creeping to slab along lobby wall melting and undermining ice. Lower temperature repairing ice.

Repaired in banquet hall (T&C), shutter locks, minor drywall repairs, repair heat registers. (Straighten, paint resecured) paint doors, touched up walls paint in T&C and arena lobby,

Replaced 3 electrical receptacles T&C noticed wear.

Replaced worn unsafe Olympia manual overhead door opening mechanism. (Original 1977)

T&C plumbing repair in between wall leak. Working on repair.

Roof grant tendering hopefully will have an update on time line for process at the meeting was scheduled for spring 2022 so people could inspect roof.



New business

Recommend we proceed to acquire a new boiler following The CDRC purchasing procedures either a written quotes up to \$20,000.00 or Tender/RFP for the replacement of 1 of the 3 boiler units with the knowledge that we have another identical unit in the same heating system that may require this part as well.

**Maintenance manager new printer required**

For information posting, arena signage, (over size poster making) design templates, shift start information, Safety talk brochure, Logs for sign off, circle checks, consumption usage, Operating procedure, SDS sheet updates. Manual updates, Train info, Orientation of staff, Evaluation of staff, ongoing Covid Changes posting guidelines, safety plan. Meeting handouts. Old school notes and drawing on documents for trouble shooting and Updating.

Marty Lamers  
Facility Maintenance Manager

SCHEDULE 'E'

*Centre Dufferin Recreation Complex*  
**REPORT**

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**Meeting Date:** January 26, 2022  
**To:** CDRC Board of Management  
**From:** Kim Fraser  
**Subject:** #02-2022 Remainder of Ice Season

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**Recommendation**

To resume ice rentals on January 31, 2022 and consider an ice extension into April 2022

**Background**

In December, CDDHS was set to have both girls and boys varsity hockey teams and began tryouts in early December, until the announcement on Friday, December 10, 2021 requiring proof of vaccination for youth aged 12 to 17 years participating in organized sports at recreation facilities effective December 20, 2021.

On Friday, December 17, 2021 additional public health and workplace safety measures were announced that took effect Sunday December 19, 2021. This includes reducing facility capacity limits to 50 percent and prohibiting food and drink services at sporting events.

On Monday, January 3, 2022 the Ontario government announced a temporary move to Modified Step Two of the Roadmap to Reopen. The CDRC closed effective Wednesday, January 5, 2022 for a minimum of 21 days. The closure affects two part-time operators and three part-time youth attendants. All CDRC facility users were contacted, and any room rental reservations were either cancelled or rescheduled.

On Thursday, January 20, 2022 the Ontario government released details of steps to cautiously and gradually ease public health measures, starting on January 31, 2022. The CDRC will be permitted to operate while maintaining capacity limits at 50 percent as well as enhanced proof of vaccination, and other requirements would continue to apply.

Shelburne Muskies scheduled first playoff series, best of 4 of 7, vs Ripley Wolves. Muskies have games scheduled February 5, 12 & 19.

SCS has reserved Saturday, April 2<sup>nd</sup> for their season-end carnival and Sunday, April 3<sup>rd</sup> for a workshop/seminar.

SMHA is in the process of scheduling and/or rescheduling games.

**Analysis**

All ice rental groups have been contacted and plan to resume ice rentals on January 31, 2022.

Shelburne Minor Lacrosse (SML) has been contacted and they are fine with a delayed lacrosse start. At this point they are considering a mid-May start.

**Financial Impact**

From January 5-January 30, 2022, estimate 190 hours of lost ice rentals, value of approx. \$30k

**Supporting Documentation and Information**

December 10, 2021 New Release:

<https://news.ontario.ca/en/release/1001327/ontario-taking-action-to-protect-against-omicron-variant>

December 17, 2021 New Release:

<https://news.ontario.ca/en/release/1001366/ontario-further-strengthening-response-to-omicron>

January 3, 2022 New Release:

<https://news.ontario.ca/en/release/1001394/ontario-temporarily-moving-to-modified-step-two-of-the-roadmap-to-reopen>

**January 20, 2022 New Release:**

<https://news.ontario.ca/en/release/1001451/ontario-outlines-steps-to-cautiously-and-gradually-ease-public-health-measures>

**Attachment: Cost for ice submitted by Marty Lamers, Maintenance Manager**

**Respectfully Submitted:**

**Kim Fraser**

**Facility Administration Manager**

## SCHEDULE 'F'

*Centre Dufferin Recreation Complex*  
**REPORT**

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**Meeting Date:** January 26, 2022

**To:** CDRC Board of Management

**From:** Kim Fraser

**Subject:** #01-2022 Security required to validate vaccination status

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**Recommendation**

To utilize select existing CDRC staff to validate vaccination status at the facility entrance.

**Background**

On September 1, 2021 the Ontario government announced that the province will require patrons to be fully vaccinated and provide proof of their vaccination status to access certain businesses and settings starting September 22, 2021.

At the CDRC Board meeting on September 22, 2021 the Board approved staffs request to hire security to validate vaccination status as required by Ontario Regulation 645/21, for as long as the regulation requires. This request was based on not having enough staff to cover the additional requirement as well as not known how the patrons and general public would receive and cooperate with this new regulation.

Options for two security business were found, Tag Security from Orangeville, quoted \$26.00 per hour with an 8-hour minimum per shift (\$208.00 per shift) and Safestate Securities & Protection, from Barrie area quoted \$32.50 per hour, with a minimum of \$150.00 per shift. Tag Security was not readily available but Safestate was available. On September 23, 2021 staff secured Safestate Securities and a guard started that evening.

With the exception of a number of scheduling issues with Safestate, ie: guards arriving late or not showing up, Safestate was reasonable to work with and provided a reasonable service. We had an agreement with Safestate that ended in early December. As he was having staffing difficulties, he did not want to enter into another agreement but agreed to continue on an "as available" basis. He also increased the rate to \$36.50 per hour, with a minimum \$175.00 per shift plus a \$25.00 fuel surcharge per day effective December 13, 2021. As winter is heavily upon us now and travelling is more challenging, I don't expect Safestate will provide service on a regular basis for the remainder of the winter.

December 30, 2021 I contacted Tag security to inquire if they were available to provide service in the new year. Tag verbally agreed to provide service with a 1-month contract, at the previously quoted \$26.00 per hour and an 8-hour minimum shift, with a 1 month contract. As there was indication that government restrictions could be on the horizon, we did not move forward.

Tag contacted me on January 20, 2022 and provided a proposal, as per attached.

**Analysis**

Overall, we found patrons and the general public were reasonable and cooperated with the requirements.

On Friday, December 17, 2021 additional public health and workplace safety measures were announced that took effect Sunday December 19, 2021. This includes reducing facility capacity limits to 50 percent and prohibiting food and drink services at sporting events. Closure of the concession

booth affects three part-time CDRC staff. The concession booth is expected to reopen on February 21, 2022.

With proper training and support, staff who have not worked during the closure will benefit with the additional hours that will be available. During quiet times, they can assist with high touch cleaning and other tasks.

The CDRC requires security approx. 4-5 hours per day (Mon-Fri), and 6-10 hours per day (Sat-Sun) – total 40-45 hours per week (+/-)

Consider using security for larger events when necessary.

**Financial Impact**

From September 23, 2021 to January 4, 2022 the cost for security to validate vaccination status was \$16,664.15

Tag Security Proposal: \$26.50 per hour with a minimum 8-hour shift = \$212.00 per shift x 7 days = \$1,484.00 per week (56 hours) = approx. \$6k per month

CDRC staff: \$20.00 per hour x 45 hours per week = \$900.00 per week = approx. \$3.6k per month

**Supporting Documentation and Information**

September 1, 2021 New Release:

<https://news.ontario.ca/en/release/1000779/ontario-to-require-proof-of-vaccination-in-select-settings>

December 17, 2021 New Release:

<https://news.ontario.ca/en/release/1001366/ontario-further-strengthening-response-to-omicron>

January 3, 2022 New Release:

<https://news.ontario.ca/en/release/1001394/ontario-temporarily-moving-to-modified-step-two-of-the-roadmap-to-reopen>

Attachment: Proposal from Tag Security

Respectfully Submitted:

Kim Fraser

Facility Administration Manager



## MINUTES

### MULMUR-MELANCTHON FIRE BOARD

Tuesday, February 1, 2022 at 6:00 p.m.

**Present:** David Besley, Chair – Melancthon Township  
Earl Hawkins, Vice Chair – Mulmur Township  
Ken Cufaro – Mulmur Township  
Mathew Waterfield – Fire Chief  
Heather Boston – Secretary  
Darren White – Melancthon Township

**Absent:** None

1. **Call to Order** – meeting was called to order by the Chair at 5:55 pm
2. **Land Acknowledgement**

We begin this meeting by acknowledging that we are meeting upon the traditional Indigenous lands of the Tionontati (Petun) and Treaty 18 territory of the Anishinaabe peoples. We recognize and deeply appreciate their historic connection to this place and we also recognize the contributions Indigenous peoples have made, both in shaping and strengthening our community, province and country as a whole

3. **Approval of the Agenda**

**Motion by: Cufaro/Hawkins**

THAT the February 1, 2022, agenda for the Mulmur-Melancthon Fire Board be approved as circulated.

**CARRIED.**

4. **Approval of Previous Meeting's Minutes**

**Motion by: White/Hawkins**

THAT the Minutes of the Mulmur-Melancthon Fire Board dated January 18, 2022, be approved as copied and circulated.

**CARRIED.**

5. **Declaration of Pecuniary Interest**

Bd comm # 2

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Chair Besley stated that if any member of the Board had a pecuniary interest, they could declare the nature thereof now or at any time during the meeting.

No Declarations of Pecuniary interest were stated at this time.

**6. Treasury - None**

**7. Administration**

**a) Vacant Volunteer Deputy Chief Position**

- Direction was given to the secretary to send a letter to Deputy Chief in thanks for his service

**Motion by: Cufaro/White**

THAT the Board authorize the Secretary to advertise for the vacant Volunteer Deputy Fire Chief position per the policy

AND THAT the Board create a hiring subcommittee made up of two Board members being Chair Besley and Vice Chair Hawkins

AND FURTHER THAT this hiring subcommittee will carry out the hiring process in conjunction with the Fire Chief and Secretary.

**CARRIED.**

**b) COVID Vaccination Policy (Verbal)**

- It was noted that at some calls for County Ambulance that patients are refusing service unless the paramedics are vaccinated
- Department has strict COVID screening and PPE are always used, including N95's
- PPE are worn in the hall and in vehicles as well as at calls
- Four Firefighters tested positive after contracting COVID-19 from outside of the firehall and all the rest are negative
- Some firefighters have volunteered their vaccination information

**Motion by: Hawkins/White**

THAT the Board establish a COVID-19 protocol that directs the Fire Chief to put in place appropriate situational safeguards to protect staff and the public from COVID-19 exposure.

**CARRIED.**

**8. Information Items**

**a) Tillsonburg Joint Project**

**Motion by: Cufaro/Hawkins**

THAT the Board accept the Ministry of Municipal Affairs and Housing letter as information.

**CARRIED.**

**9. Adjournment**

**Motion by: Cufaro/Hawkins**

THAT we do now adjourn at 6:34 pm to meet again on March 15, 2022, at 7:00 pm or at the call of the Chair.

**CARRIED.**

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**Chair**

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**Secretary**



*Minutes for Shelburne Public Library Board Meeting  
Tuesday, February 15, 2022*

**Present:** Geoff Dunlop          Shane Hall          Mikal Archer  
James Hodder          Gail Little          Margaret Mercer  
Patricia Clark          Sharon Martin

**Also Present:** Rose Dotten, CEO/ Head Librarian

---

The participants met on-line through the Zoom platform due to the COVID-19 Pandemic.

The Chair, Geoff Dunlop, called the meeting to order at 7:00 P.M. and stated some guidelines for the meeting.

Participants were to mute themselves when not speaking. Rose/Geoff to stay unmuted to recognize members.

Participants were to raise their hands to ask questions or comment and wait to be recognized.

Participants were to raise their hands to vote on motions.

Reading of Land Acknowledgement:

“We would like to acknowledge the traditional territory of the Anishinaabe including the Ojibway, Potawatomi and Chippewa and the People of the Three Fires Confederacy.”

**Motion 07-22          M. Mercer, M. Archer**

In accordance with a previous motion approved by the SPL Board that members can participate in a virtual meeting;

Be it resolved that the Board now hold a virtual meeting for all board members not able to be physically present due to COVID-19 restrictions.

**Carried**

**Motion 08-22          P. Clark, J. Hodder**

Be it resolved that we approve the Agenda of the February 15, 2022, meeting.

**Carried**

**Motion 09-22          G. Little, S. Hall**

Be it resolved that we approve the minutes of the board meeting dated February 15, 2022.

**Carried**

**Motion 10-22          S. Martin, G. Little**

Be it resolved that we approve the Accounts Payable Register for February, 2022, with invoices and payments in the amount of \$29,126.62.

**Carried**

CEO/ Head Librarian's Report:

*Bd Lemm#*

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- **Statistics—Including Social Media and e-resources**  
Since we are using both curbside and in-house systems and e-resources, we have developed a different format for reporting our statistics. Attached is a summary of the Monthly Statistics for January, 2022. Our circulation statistics are steadily increasing and include both in-library and curbside circulation.
- **Library Donor Plaque**  
Rose had sent pictures of our new Library Donor Plaque to the Board prior to the meeting. Board members were very pleased with the results of this tribute to our supporters.
- **Programming**
  - **Children’s Programming**  
Our virtual programs remain the same, although we are thinking about how to accommodate 30 plus children for Story Time. It is unclear if we should have an “in-person” Story Time if they are not wearing masks, especially since if they are under 2 years of age, masks are not required.  
We also post new Lego Challenges for children every Wednesday and encourage interaction through social media. On Thursday nights, we have Sleepy Story time.
  - **Tween and Teen Programming**  
For the Teens and Tweens, we started a new program called *Booking It* which features a weekly book club and crafts. We are excited to welcome 20 registrants already and are hoping for more.
  - **Adult Programming** –We have sent out a survey to determine if there is interest to start “Rose’s Book Club” again, either by “in person” or by Zoom. This would be an extension of Rose’s Book Club which has been curtailed because of Covid issues. As a result of the survey results, we are planning for our first meeting on April, probably on the last Thursday of the month.

**Business**

- **Ongoing Library Protocols**  
As of February 1, 2022, we allowed browsing in the library with capacity limits. Also, on March 1, 2022, we will be expanding to regular hours and allowing all 7 of the Public Access Computers to be used, but are limiting each of them to ½ hour of use unless someone has an urgent need for more time.

**Motion 11-22 P. Clark, J. Hodder**

Be it resolved that SPL continue to provide programming and support to its patrons to provide online service, programming, resources, support and communication;

Be it further resolved that the SPL Board approve the recommendation to continue and maintain current staffing as modified by the CEO;

Be it further resolved that these recommendations be reviewed at the next scheduled Board meeting on March 15, 2022.

**Carried**

- **In Camera session – Not required**

**Motion 12-22 M. Archer, S. Hall**

That we now adjourn at 7:23 p.m., to meet again March 15, 2022, at 7 pm., or at call of the Chair.

**Carried**

**Monthly Statistics**

**January 2022**

Physical Collection	Facebook		Instagram		YouTube		Twitter	Overdrive	PressReader	Ancestry	LibraryAware		
	Total Circulation	Post Engagements	Page Likes	Post Engagements	Followers	Views	Subscribers	Followers	Checkouts	Issues Opened	Searches	Library News	Teen News
2885	460	862	200	573	387	101	280	1390	300	0	8,998	18	310



*We gratefully acknowledge the generous support of  
our community.*

*Bequests*

*Edgar Barwick     Jack & Lynn Darling     Don & Miriam Jorale  
Pete Davis     Vera Thurston     Margaret Stewart*

*In Memoriam*

*Donated in memory of an patron*

*Eileen Anderson     Wilma Egan     Ann Hendon  
George Brian     Elin Eley     Yvonne McMillan  
Gary Corlett     George Dyer     Ed Sparr  
Mary Horner     Lynda Jett*

*Donors (2019 - 2021)*

*Bill & Ann Spink     James & Ann Tishmore  
Avery & Elizabeth Sand     Marjorie Tipton at the Museum  
Paul & Judy Barclay     Eric Pile  
Ann Chandler     Fred Spier, Susan Oak  
Dr. A.B. dea Ding     William & Sylvia Peck  
Barry Dick-Armed     Ace Poirer  
Don Jorale     Susan Papp  
James & Doris Graham     Cheryl Spurr  
Jan Nelson     Edgar Wallace  
Hilda of Coralee TSPJ     Robert & Jacqueline Walker  
Amy Pickett     Sandra & Don White*

*370 Warren Square Ave*



**Our Mandate**

To be a primary resource for community,  
cultural, educational, and leisure interests,  
providing freely accessible support for  
partnerships with like-minded community  
organizations





**Grand River Conservation Authority**  
*Summary of the General Membership General Meeting – March 25, 2022*

*To GRCA/GRCF Boards and Grand River watershed municipalities - Please share as appropriate.*

### **Action Items**

*The Board approved the resolutions in the following reports as presented in the agenda:*

- GM-03-22-34 - Financial Summary
- GM-03-22-29 - Administration Centre Boiler Replacement Tender Award
- GM-03-22-30 - Administration Centre Cleaning Services RFP Results
- GM-03-22-31 - 2022 Road Surface Treatment Tender Results
- GM-03-22-27 - Provincial Offences Act Officers Designation - Section 29
- GM-03-22-26 - Provincial Offences Act Officers Designation - Section 28
- GM-03-22-C02 - Granting of Easement - City of Kitchener (closed agenda)

### **Information Items**

*The Board received the following reports as information:*

- GM-03-22-28 - Cash and Investment Status
- GM-03-22-32 - Grand River Watershed Flood Warning System
- GM-03-22-33 - Current Watershed Conditions

### **Correspondence**

*The Board received the following correspondence:*

- The Honourable David Piccini, Minister of Environment, Conservation and Parks Re: Clarification for Chair and Vice-Chair Term Limits and Rotations
- John Kemp Re: Giant Hogweed Mitigation
- Carolanne Forster Re: Meetings available to the Public

### **Source Protection Authority**

*The General Membership of the GRCA also acts as the Source Protection Authority Board*

### **Action Items**

*The SPA Board approved the resolutions in the following reports as presented in the agenda:*

- SPA-03-22-01 - Source Protection Committee Representative Appointment

*For full information, please refer to the March 25 AGM Agenda Package. Complete agenda packages and minutes of past meetings can be viewed on our online calendar. The minutes of this meeting will be posted on our online calendar following the next meeting of the General Membership scheduled on April 22, 2022.*

*You are receiving this email as a GRCA board member, GRCF board member, or a Grand River watershed member municipality. If you do not wish to receive this monthly summary, please respond to this email with the word 'unsubscribe'.*

*Belkaman #4*  
APR 07 2022



## NVCA March 2022 Board Meeting Highlights

**Next Meeting: April 22, 2022, held virtually**

*For the full meeting agenda including documents and reports, visit [NVCA's website](#).*

### **Presentation on NVCA's Maple Syrup Program**

#### **Spring Tonic Maple Syrup Festival**

NVCA's Spring Tonic Maple Syrup Festival represents the strong partnerships that NVCA has with communities and municipalities.

It is an opportunity to engage with community members, increase the profile and understanding of NVCA and raising funds to deliver programming and reduction of municipal levy support.

The festival is jointly coordinated by NVCA and volunteers from the Rotary Club of Barrie. This year's festival will be held on April 2 – 3, 2022 at the Tiffin Conservation Area.

[Please visit NVCA's website for more information about the festival.](#)

#### **Environmental Education Program**

Thanks to maple syrup programming, March is the busiest month for NVCA's programming outside of the Simcoe County District School Board agreement.

The program covers many different sections of the Ontario curriculum, from kindergarten up to Grade 6. It is delivered to local school boards, March Break Camp, nature school, community groups including New Comers of Canada.

In the last five years, 14 out of 18 watershed municipalities have participated in NVCA's maple syrup program. Virtual programming will be offered to the last four municipalities. French programming will be offered next year.

#### **Maple Syrup Production**

Maple syrup was already in production at the Tiffin Conservation Area in the 1970s before

NVCA took over ownership of the property. The current program has been operating for over 20 years. Sap collection and syrup production is mostly volunteer led.

In 2017, NVCA's Board of Directors supported the purchase of an evaporator that processes syrup from approximately 700 taps, or over 1.5 km of line.

#### **Revenue**

Each year, the maple syrup education program captures \$25,000 annual revenue, while maple syrup sales make up for \$10,000 annually and in 2019, the Spring Tonic Maple Syrup Festival saw \$20,000 in revenue.

### **Canada Community Revitalization Fund**

NVCA's Board of Directors approved the use of the Canada Community Revitalization Fund to replace an accessible pond platform and the construction of an accessible pond dipping platform at the Tiffin Conservation Area.

This infrastructure will ensure students of all abilities taking part in Tiffin's Environmental Education program can participate in pond studies, and will be completed by December 31, 2022.

### **Update Inventory of Programs and Services for Submission to Ministry of Environment, Conservation and Parks**

In February 2022, NVCA completed the Inventory of Programs and Services (IP&S), and submitted this information to the Ministry of Environment, Conservation and Parks (MECP) and all 18 member municipalities.

Municipal CAOs were asked to review this information with their appropriate staff and



bring the NVCA their questions and concerns. As a result, NVCA is in active discussions with two member municipalities.

As NVCA and Lake Simcoe Regional Conservation Authority share responsibilities for several municipalities, future discussions regarding the updated Conservation Authorities Act must be consistent. Therefore, NVCA will be dividing the watershed into three collectives for some of our future meetings including:

- Eastern: Oro-Medonte, Barrie, Innisfil, Bradford West Gwillimbury, and New Tecumseth.
- Central North: Springwater, Wasaga Beach, Essa, Clearview, Collingwood and Blue Mountain.
- Western: Adjala-Tosorontio, Amaranth, Mono, Shelburne, Melancthon, Mulmur and Grey Highland.

## **Planning Services Workload and Staffing**

Since 2018, NVCA's Planning and Regulations staff has seen a 75% increase in the number of applications. The significant increase in workload has placed tremendous pressure on staff to meet provincial and municipal review timelines and has resulted in reduced efficiency in recognizing user fee revenues.

To address this issue, NVCA will add an additional planning staff person and may transition an existing administrative contract position to permanent.

The additional staff resource will assist with returning phone calls, emails, follow up on pre-consultation requests, request fees, process committee of adjustment applications and support regulations staff.

This will allow senior planning staff time to focus on high revenue files such as plan of subdivision and aggregate proposals and recognize review fees associate with those files on a more frequent basis. NVCA expects that the recognition of these fees will help support the salary of the new staff member.

## **Customer Satisfaction Report**

In 2013, NVCA adopted a Customer Service Charter and Strategy that sets out the authority's commitment to providing excellence in customer service. Continuous improvement is a key element of the charter.

### **Regulations**

In 2021, 100 individuals and organizations completed a client survey on the NVCA permit application process. The survey is sent to all those receiving NVCA permits.

Ninety (90%) of those completing the client survey rated their overall experience with NVCA's permit application process as good or excellent. In general, the responses that were ranked as good or excellent in 2021 was 90%, slightly lower than the 96% rating received in 2020.

### **Lands**

Two (2) respondents provided feedback regarding parking for two of NVCA's conservation areas.

NVCA's conservation areas received 5-star ratings on Google's business listings.

### **Education**

In 2021, 21 teachers submitted feedback surveys on NVCA's virtual environmental education programs.

Of those responding, 100% rated the programs allowed students to develop appreciation of wild spaces. Ninety-four percent (94%) ranked that there were good or excellent opportunities to interact with the natural world. Ninety-four percent (94%) of respondents ranked that the program included real-world and/or hands-on curriculum connections.

### **Stewardship**

NVCA's stewardship services include Forestry, the Healthy Waters grant program, and other projects to protect and enhance our watershed. Comments received from funders and landowners generally describe the expertise and dedication of NVCA's stewardship staff.

[Please visit NVCA's website to view the 2021 Customer Service Satisfaction Report.](#)





March 11, 2022

Right Honourable Justin Trudeau  
Prime Minister of Canada  
Office of the Prime Minister  
80 Wellington Street  
Ottawa, ON K1A 0A2

Dear Right Honourable Justin Trudeau:

On March 8, 2022, Council for the Town of Mono passed the following resolution calling on the federal government to provide greater support to Ukraine in their fight against the invasion of their sovereign territory by Russia.

Resolution #9-5-2022

*Moved by Ralph Manktelow, Seconded by Fred Nix*

*WHEREAS Russia made an unprovoked attack on the people of Ukraine on the 24th day of February and continues to wage war;*

*WHEREAS the Town of Mono is aghast at this aggression, and the carnage that is happening to the Ukrainian people and their land;*

*WHEREAS we are alarmed at the implications to world security;*

*WHEREAS we know that our efforts as a small municipality are slight, but that collectively the many voices of the world have great power and can exert meaningful pressure on President Putin to stop this war;*

*AND THAT the Town of Mono strongly condemns Russia's attack on Ukraine;*

*AND THAT by this motion and by flying the Ukrainian Flag at the Town Hall, the Town of Mono extends a strong gesture of support to the Ukrainian people,*

*AND THAT we call on the Canadian Government without delay to provide greater material support, to exert maximum sanctions and pressure on Russia and to use all diplomatic means possible to end this war.*

**"Carried"**

Respectfully,

**Fred Simpson**

Digitally signed by Fred Simpson  
Location: Town of Mono  
Date: 2022-03-11 15:20:05:00

Fred Simpson  
Clerk

cc: Hon. Anita Anand, Minister of National Defence  
Hon. Kyle Seeback, MP Dufferin-Caledon  
Hon. Doug Ford, Premier of Ontario  
Hon. Sylvia Jones, Solicitor General & MPP Dufferin-Caledon  
All Ontario Municipalities

P: 519.941.3599  
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Mono, ON L9W 6S3



30 LEWIS STREET  
WASAGA BEACH, ONTARIO  
CANADA L9Z 1A1  
www.wasagabeach.com

March 11, 2022

Mr. John Daly  
Director of Legislative Services/Clerk  
County of Simcoe  
1110 Highway 26,  
Midhurst, ON  
L9Z 1N6

BY EMAIL ONLY

Dear Mr. Daly:

Re: County of Simcoe Regional Government Review Service Delivery Task Force - Fire Services

Please be advised that the Town of Wasaga Beach Coordinated Committee, during its March 10, 2022 meeting, adopted the following resolution:

"That the Community Services Section of Coordinated Committee receive the Chief Administrative Officer's report on the County of Simcoe Regional Government Review Service Delivery Task Force Fire Services Review for information;

Further that the Community Services Section of Coordinated Committee authorize the Chief Administrative Officer to inform the County of Simcoe that the Town of Wasaga Beach supports recommendations nine and ten of the Fire Service Review report;

And Further, that the Community Services Section of Coordinated Committee authorizes the CAO to request that County Council, through the Regional Government Review, formally request the Province to further review the interest arbitration system, as the changes introduced in 2018 have not impacted wage increases awarded to the fire services sector, often exceeding negotiated settlements for other municipal employee groups, continuing to place a financial strain on municipalities, and creating wage compression with Fire Department leadership;

And Further, that as part of the review, the Province confirm that it is the employer's responsibility to define the hours of work that best fits their circumstance rather than an arbitrator awarding a change;

And that this motion be circulated to all municipalities in the Province."

Administration: (705) 429-3844  
Fax: 429-6732  
Planning: 429-3847

Building: 429-1120  
By-Law: 429-2511  
Parks & Rec: 429-3321

Arena: 429-0412  
Public Works: 429-2540  
Fire Department: 429-5281

APR 07 2022

Attached is a copy of the report dated March 10, 2022. Your favourable consideration of this matter is appreciated.

Should you have any questions, please contact me at [cao@wasagabeach.com](mailto:cao@wasagabeach.com) or (705) 429-3844 Ext. 2222.

Sincerely,



George Vadeboncoeur  
Chief Administrative Officer

/pk

c. Wasaga Beach Town Council Members  
Association of Municipalities of Ontario  
All Municipalities in Ontario

## STAFF REPORT



**TO:** Community Services Section of Coordinated Committee

**FROM:** George Vadeboncoeur, Chief Administrative Officer

**SUBJECT:** County of Simcoe Regional Government Review  
Service Delivery Task Force - Fire Services Report

**DATE:** March 10, 2022

---

### RECOMMENDATION

THAT the Community Services Section of Coordinated Committee receive the Chief Administrative Officer's report on the County of Simcoe Regional Government Review Service Delivery Task Force Fire Services Review for information;

FURTHER that the Community Services Section of Coordinated Committee authorize the Chief Administrative Officer to inform the County of Simcoe that the Town of Wasaga Beach supports recommendations nine and ten of the Fire Service Review report.

### BACKGROUND

The County of Simcoe established a Service Delivery Task Force Committee of County Council members to undertake reviews of the following services to determine if efficiencies could be found leading to improved services to tax payers. The services being reviewed are:

- Conservation Authority Services
- Fire Services
- Land Use Planning Services
- Library Services
- Transit Services
- Water and Waste Water Services
- Storm Water Management Services – completed, no further action required
- Legal Services – completed, no further action required

The subject of this report is the review of Fire Services.

The County engaged a third-party consultant to conduct a comprehensive review of Fire Services in the County of Simcoe, identifying possible efficiencies and preferred Service Delivery models including regional and sub-regional service models.

Through an RFP process, Pomax Consulting Inc. (Pomax) was selected by the County to complete the review. The Pomax team commenced the project and municipal engagement in May 2021.

On December 6, 2021 the County of Simcoe Regional Government Review Service Delivery Task Force received the final report and passed a resolution requesting that the report be sent to individual municipal Councils for review and comment.

The ten recommendations tabled with the Task Force are as follows:

1. "Share fire chiefs wherever possible. Examples of this include Innisfil and Bradford-West Gwillimbury, and Penetanguishene and Midland. There is an expectation that the number of responses will decline in the next few years as the province implements Medical Priority Dispatch System (MPDS). An advantage of sharing fire chiefs may be that the joint chief will find realistic ways to rationalize training, prevention, public education, and stations. Essa Township has an opportunity to share a fire chief with a neighbouring community or even amalgamating.
2. Share recruitment, intake, selection, training, and equipment in the same manner as takes place in North Simcoe. Duplication of these processes can be expensive. Sharing also supports consistency so that when the time comes that firefighters from different departments have to work together at mutual aid or other major incidents, they are familiar with common practices.
3. Share public education and prevention resources. This may not save money but may accomplish consistency in neighbouring communities and may enhance some communities that have inadequate resources.
4. Where possible consolidate fire services. This is not a minor step but it is one that has been accomplished before when municipalities amalgamate or a decision is made that shared services is best for a community <https://lincoln.ca/news/2021/06/media-releasetowns-lincoln-and-grimsby-embark-shared-fire-service-pilot-project>.
5. Several fire departments, during interviews, discussed establishing training centres – some with the perspective of providing services for a fee to other fire departments. Prior to taking those steps, partnerships should be discussed to defray costs and to determine the best location for training centres. Training centres that are established with the objective of defraying costs by renting to other fire departments do not have a history of success.

6. Prior to considering building a new fire station, undertake a needs analysis including response modelling and incident type. Fires may be an impetus for establishing a new or additional fire station but sometimes medical incidents are held out as part of the justification. Fires are on a downward trend. It is possible medical responses will also trend downwards. Schedule 1 RGR 2021-357 Page 28 Simcoe County Fire Services Review Final Report Part 1 Page | 27
7. Where possible, consider contracting services with a neighbouring municipality. Ramara Station 2's response area is a possible opportunity as are responses to areas that border other full time fire departments.
8. Employ the precept of closest or quickest vehicle responds. Although some form of cost per call may have to be worked out using the closest fire resource delivers service sooner.
9. Obtaining and understanding fire department data and information, particularly outcome information to answer the question "Why are we doing what we are doing?" should be the primary objective of all municipalities. It does not exist now notwithstanding the efforts of some departments who are attempting to secure information. This is a major undertaking that is not realistic for individual departments but could be provided by the county on a cost recovery basis. We recommend that municipalities work with the county to obtain that service, or the county should establish the service and offer it to those municipalities who see it as an advantage. During our interviews several CAOs envisioned the county as being the data and information centre.
10. We recommend that representatives of Simcoe County and the municipalities form a committee to further explore these recommendations, particularly the provision of a data service by the county as noted in recommendation 9."

On February 1, 2022 staff received a letter from the County of Simcoe Clerk's Department on behalf of the Service Delivery Task Force asking for feedback on the report.

At the February 10, 2022 Community Services Section of Coordinated Committee the Fire Chief provided a report requesting that if Council members had comments concerning the proposed efficiencies, service delivery models and recommendations outlined in the review, that they provide such comments to the Chief Administrative Officer.

## **DISCUSSION**

Based on the feedback from individual Council members, it is felt two of the ten recommendations found within the Pomax report warrant additional exploration.

Recommendation number nine supports the County providing data collection and analysis services due to challenges for smaller municipalities undertaking the same

exercise. While conducting interviews with municipalities, Pomax received comments from several Chief Administrative Officers indicating that the County could assist as a data and information centre. This would ensure that the data required to make decisions is collected and what is collected is standardized across the County. One area identified is outcome information, similar to the data collected by other emergency services. With automation, training and building on data already collected for other purposes, this should be fairly easy to implement.

Recommendation number ten supports the creation of a committee comprised of municipalities and representatives of the County to further explore all of the recommendations, in particular the provision of a data service by the County as noted in recommendation nine. Some areas of interest include, sharing in the recruiting of volunteer Fire Fighters, Fire Prevention and Training. It was noted that a "...significant level of cooperation and sharing in Simcoe was identified..." as already occurring.

Although it was not considered as part of the review or a recommendation, some Council members feel the disproportionate escalation of firefighter wages and benefits, supported by the Arbitration system, is an issue that deserves attention and resources. It is acknowledged that this is beyond a local issue and should be addressed by the province as a priority as it impacts all fire services.

In discussing the recommendations with the Fire Chief, he is committed to reviewing all aspects of his administration and operations to identify areas to improve efficiencies and service delivery in the spirit outlined in the Promax Report.

Respectfully Submitted,

George Vadeboncoeur  
Chief Administrative Officer



## Denise Holmes

---

**From:** Althea Alli <dcmulticulturalfoundation@gmail.com>  
**Sent:** Wednesday, March 16, 2022 10:19 AM  
**To:** Denise Holmes  
**Subject:** Dufferin County Multicultural Foundation

Hello,

We have some big news to share!

For those who are not aware, the Multicultural Event is an event designed to promote diversity, inclusion and equity in our community.

The event has a proven track record of bringing communities together through arts, entertainment and food and spreading a positive message!

In 2017 we started planning the very first Multicultural event and it has been a success every year since.

In 2021 June 27th was proclaimed Multicultural Day for the first time here in Dufferin.

The Unity in Diversity flag representing Multicultural Day was created by the multicultural committee. The flag was raised throughout Dufferin and Caledon.

We thought we would give back to the community highlighting the achievements of our great leaders who work behind the scenes.

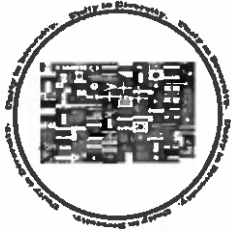
Now 2022 is a very special year for us. Not only does it mark our 5 years, but we have also become a registered non-profit to better serve communities in promoting diversity, inclusion and equity.

Our name is Dufferin County Multicultural Foundation and we're excited to host the 2022 Multicultural event.

Thank you to our volunteers, partners, sponsors, townships, political leaders and the Dufferin-Caledon community and beyond for your amazing support throughout the years.

We would like the opportunity to ask the Council for their support of our foundation.

*Thank you,  
Althea Alli,  
President/Founder*



Dufferin County  
MULTICULTURAL  
Foundation





For Immediate Release: March 18, 2022

NDACT presented a proposal for a 'better way' to the community on January 15th 2022, and the community overwhelmingly agreed with the approach. Since then, NDACT has been working very hard evolving the proposal elements and is now working in good faith with Strada to negotiate the finer points of an agreement

A community group working with the applicant is unheard of and if this approach reaches a final signed agreement it could well be the model that all aggregate operations will employ. Nice to be on the leading edge of change!

Section 12 (e) of the Aggregate Resources Act states that an applicant must show if there are any possible effects on ground and surface water resources including private wells and natural water features.

Strada notified NDACT and property owners they will be conducting these studies over the next couple of years and would be seeking permission to access the properties of landowners within a kilometer of their proposed quarry site. They also held a ZOOM meeting for these landowners on March 10, 2022.

As a property owner you should be aware that you do not have to give consent to Strada to access your land, however the wider the study area is the better for not only Strada, but the landowners.

NDACT would recommend landowners wait to provide access to their property until NDACT and Strada have signed an agreement. The benefit to landowners would be a clearer understanding of the Wells and Natural Features program being developed, including the extent of the study area and access to the remediation fund should someone's well/natural feature be impacted in the future.

If you were in the 1 kilometre range and did not receive a notice from Strada in the mail about the studies or the ZOOM meeting please contact [info@ndact.com](mailto:info@ndact.com)

For further information contact  
Nanci Malek  
[info@ndact.com](mailto:info@ndact.com)

Info #4  
APR 07 2022



## PORT COLBORNE

March 22, 2022

Moved by Councillor E. Beauregard  
Seconded by Councillor A. Desmarais

**WHEREAS** the Year of the Garden 2022 celebrates the Centennial of Canada's horticulture sector; and

**WHEREAS** gardens and gardening contribute to the quality of life of our municipality and create safe and healthy places where people can come together; and

**WHEREAS** the Year of the Garden 2022 will highlight and celebrate the important contribution of gardeners, our local gardening organizations, horticultural professionals and local horticultural businesses which contribute to garden culture and the experience garden of our municipality; and

**WHEREAS** gardens and gardening have helped us face the challenges of the COVID pandemic; and

**WHEREAS** Communities in Bloom in collaboration with the Canadian Garden Council, invites all municipalities to celebrate the Year of the Garden; and

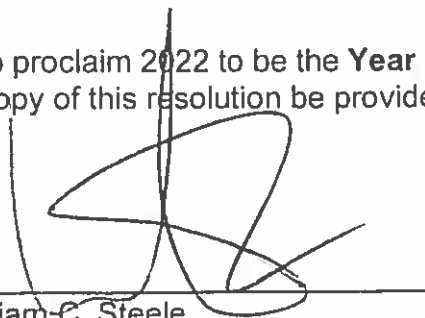
**NOW THEREFORE** I, Mayor William C. Steele, do hereby proclaim 2022 as the Year of the Garden, in the City of Port Colborne. In celebration of the contribution of gardens and gardening to the development of our country, our municipality and the lives of our citizens in terms of health, quality of life and environmental challenges; and

**THAT** the Saturday before Father's Day, June 18 in 2022, be recognized as Garden Day in the City of Port Colborne as a legacy of Canada's Year of the Garden 2022; and

**THAT** the City of Port Colborne is committed to be a Garden Friendly City supporting the development of its garden culture; and

**THAT** all municipalities across Canada be invited to proclaim 2022 to be the Year of the Garden in their respective municipalities, and that a copy of this resolution be provided to all municipalities of Ontario, for that purpose.



  
\_\_\_\_\_  
William C. Steele  
Mayor

info #5  
APR 07 2022

H.S. Lyon

Ann Sylvia Jones  
180 Broadway  
3rd Floor Suite A.  
Orangeville ON  
L9W 1K3

March 23/2022

Dear Ms Jones

re: Use of Development Charge Reserve Funds

The purpose of this note is to request your assistance in having a review of the unduly restrictive regulations governing the use of the subject funds as they relate to the Melancthon situation. The Melancthon situation is framed below.

\* Melancthon Township, essentially in its entirety, is a prime agricultural area without a serviceal settlement or employment area. As a consequence the opportunity for residential growth is severely limited. As strange as it may seem we must turn to our prime agricultural land.

Info #6  
APR 07 2022

\* Some years ago the Province set out in the Provincial Policy Statement (PPS 2.3.3) those uses permitted in prime agricultural areas. The permitted uses included "on-farm diversified uses". In Melancthon these are, with out exception, industrial shops engaged in some type of manufacturing. The purpose of including these shops as a permitted use on prime ag lands was that they would provide supplemental income to the farmers, thus strengthening the sustainability of the farming operations, they would provide rural employment opportunities, and overall support a healthy, viable rural economy.

\* Implementing the above permitted on-farm diversified use (shops) has been vigorously pursued by the farming community in the township. To date some 40 shops have been established and the pace of this development shows no sign of slowing down. It is clear that this number will be in the 80 to 100 range in the next 10 to 15 years. this represents real and substantial growth.

\* Although there are many positives that can be attributed to the introducing of these shops on township farms there is one clearly adverse impact, i.e. the impact on the rural road network. They are now the largest source of in-township generated truck traffic, generating 5 or more times that generated by a normal farm without a shop. So a rural road network (mainly gravel) designed to handle limited agricultural traffic must now handle ever increasing levels of industrial traffic. The consequence is obvious - the rural road network must be upgraded. That means the placement of a greater volume of gravel on many roads and additional equipment to handle the additional grading required.

\* The above growth is clearly in response to the Province's initiative to enhance the economic viability of agricultural areas. As financing this growth we should take as our guide the oft quoted thesis underpinning the Act "growth pays for growth". Use of funds from the Development Charge Reserve Fund to assist in financing the initial upgrade of the rural road network to handle the increased truck traffic resulting from this growth, both past and future, is a reasonable and appropriate use of these funds.

Mr Jones, I fully recognize your schedule is probably tight over the next 3 months, but hope you can find a few moments to direct the issue to the responsible government department. We have been struggling with this matter for some years. Hopefully with the weight of our MPP we can make some progress.

Respectfully



c.c. Township of Melancthon

Ministry of  
Municipal Affairs  
and Housing

Office of the Minister

777 Bay Street, 17<sup>th</sup> Floor  
Toronto ON M7A 2J3  
Tel.: 416 585-7000

Ministère des  
Affaires municipales  
et du Logement

Bureau du ministre

777, rue Bay, 17<sup>e</sup> étage  
Toronto ON M7A 2J3  
Tél. : 416 585-7000



234-2022-378

March 24, 2022

Dear Head of Council:

**RE: Phase 2 Consultation on Urban River Valleys to Grow the Greenbelt:  
Proposed amendments to the Greenbelt Plan (2017) and Greenbelt Area  
Boundary Regulation (O. Reg 59/05) and Ideas for Adding more Urban River  
Valleys to the Greenbelt**

I am writing today to announce that the Ministry of Municipal Affairs and Housing (MMAH) is launching the next phase in its consultation on Growing the Greenbelt.

In Ontario's 2020 and 2021 budgets, the government committed to protecting and expanding the Greenbelt.

In the spring of 2021, our government held consultations focused on ways to grow the size and enhance the quality of the Greenbelt, which included seeking ideas for adding, expanding and further protecting Greenbelt lands.

Since the close of the first phase of consultation, our government has been undertaking work to identify potential boundaries to grow the Greenbelt that takes a balanced approach to supporting smart growth to create much-needed housing and jobs.

As a result, this phase of the consultation (Phase 2) will seek feedback on both:

1. **Proposed amendments to the Greenbelt Plan (2017) and the Greenbelt Area boundary regulation (O. Reg 59/05)** that includes the addition of 13 new and expanded Urban River Valley areas. The consultation is open for 30 days and ends on April 23, 2022; and
2. **Ideas for adding more Urban River Valleys to the Greenbelt** through new Urban River Valleys and expansions to existing Urban River Valleys that could include tributaries or parcels of publicly owned land. This part of the consultation is open for 30 days and ends on April 23, 2022.

This proposal is about growing the size and quality of the Greenbelt, and the government will not consider the removal of any lands from the existing Greenbelt, nor will it consider any changes that reduce existing policy protections in the Greenbelt.

.../2

Info # 7  
APR 07 2022



For more information on these proposals, please visit [ERO 019-4485 - Proposed Amendment to the Greenbelt Plan - Growing the size of the Greenbelt and Ontario.ca/Greenbelt](#) where you will find information including the proposed amendments to Greenbelt Plan Schedules 1, 2 and 4, proposed mapping amendments to the Greenbelt Area boundary regulation (O. Reg 59/05) and interactive mapping displaying the proposed URV additions at various scales.

If you have any questions about the consultation, please contact the ministry at [greenbeltconsultation@ontario.ca](mailto:greenbeltconsultation@ontario.ca)

I look forward to receiving your input on this proposal.

Sincerely,

A handwritten signature in black ink that reads "Steve Clark". The signature is written in a cursive, flowing style.

Steve Clark  
Minister

c: Planning Head and/or Clerks



## **MEDIA RELEASE**

FOR IMMEDIATE RELEASE

### **Welcome back to the Spring Tonic Maple Syrup Festival**

*More than maple syrup – horse drawn wagon rides, Zoo to You animal show, bird box building, live music and more!*

UTOPIA, Ontario (March 30, 2022) – The Spring Tonic Maple Syrup Festival will once again be open to the public this weekend, April 2 -3, 2022, at the Tiffin Conservation Area.

Visitors will learn first hand how maple syrup was made by Indigenous Peoples and pioneers. The sugar shack will also be open for visitors to see how maple syrup is produced today. Admission also includes a full pancake and sausage breakfast with fresh maple syrup, as well as activities including historical reenactors, firefighters, paramedics, outdoor skill demonstration by the Cadets and much more!

"The Spring Tonic Maple Syrup Festival is a 30-year tradition. We are so pleased to host it again after two years of minimum contact with the public," said Byron Wesson, Director of Conservation Services at the Nottawasaga Valley Conservation Authority (NVCA). "Not only is it a celebration of Spring, but it's also a way to celebrate the Canadian heritage of maple syrup production and provide educational entertainment for adults and children alike."

The festival is jointly hosted by NVCA and the Rotary Club of Barrie. Volunteers from the Rotary Club generously donate their time to organize Spring Tonic and manage different stations during the event.

"We appreciate the many inquiries coming forward for assisting us with this year's festival," said John O'Brien, Chairperson of the Spring Tonic Festival at the Rotary Club of Barrie. "Bringing back the many volunteers who make this festival happen will be a treat after this two-year hiatus. It will be a pleasure to see families of smiling faces once again."

Tiffin's very own maple syrup will be for sale in limited quantities. All proceeds go towards Rotary community projects and the maintenance of NVCA's conservation areas.

- 30 -

**About NVCA:** The Nottawasaga Valley Conservation Authority is a public agency dedicated to the preservation of a healthy environment through specialized programs to protect, conserve and enhance our water, wetlands, forests and lands.

**Media contact:** Maria Leung, Communications Coordinator 705-424-1479 ext.254,  
[mleung@nvca.on.ca](mailto:mleung@nvca.on.ca)

**Denise Holmes**

---

**From:** Denise Holmes  
**Sent:** Thursday, March 31, 2022 11:49 AM  
**To:** Denise Holmes  
**Subject:** Federal Government Sanctions imposed on Russia

**From:** Carolyn Lance <clance@georgina.ca>  
**Sent:** Thursday, March 31, 2022 11:40 AM  
**Subject:** Federal Government Sanctions imposed on Russia

Good morning.

Please find below a motion passed by Council of the Town of Georgina imposing limitations upon the purchase of goods that can easily be traced to have originated from Russia, and requesting support of this position by other Ontario municipalities;

**RESOLUTION NO. C-2022-0081**  
**Moved By Councillor Waddington**  
**Seconded By Councillor Neeson**

WHEREAS the country of Ukraine has experienced a premeditated and unprovoked invasion by Russia;

AND WHEREAS silence is complicity;

AND WHEREAS Canada imports hundreds of millions of dollars' worth of goods from Russia each year;

AND WHEREAS negative financial impacts upon a country can be used as a means to deter further conflict;

BE IT THEREFORE RESOLVED THAT the Town of Georgina unequivocally denounces Russia's unjustifiable war against Ukraine;

AND THAT the Town of Georgina supports the sanctions which the Federal government of Canada has thus far imposed on Russia;

AND THAT effective immediately and until a time when the sovereignty of Ukraine is once again unchallenged, the Town of Georgina will:

- 1) Not purchase any products (ie plywood, fertilizer, steel, furniture or machinery) which can be easily traced to have originated from Russia; and,
- 2) Insist that any future contracts for services for the Town of Georgina abide by these same limitations within our municipality;

AND THAT upon confirmation that the Belarusian military is engaged within Ukraine that the Town of Georgina apply these limitations upon goods from that country as well;

AND THAT this decision of Georgina Council be forwarded to all other municipalities within Ontario requesting they enact similar measures so that as a united front we can make a noticeable difference.

**Carried Unanimously**



**GEORGINA**

**Carolyn Lance**

Council Services Coordinator

Clerk's Division | Town of Georgina

26557 Civic Centre Road, Keswick, ON | L4P 3G1

905-476-4301 Ext. 2219 | [georgina.ca](http://georgina.ca)

Follow us on [Twitter](#) and [Instagram](#), like us on [Facebook](#)

\*Please note that our office hours are Monday to Friday, 8:30am to 4:30pm\*

**Ministry of the Solicitor General**

Office of the Fire Marshal and  
Emergency Management

25 Morton Shulman Avenue  
Toronto ON M3M 0B1  
Tel: 647-329-1100  
Fax: 647-329-1143

**Ministère du Solliciteur général**

Bureau du commissaire des incendies  
et de la gestion des situations  
d'urgence

25 Morton Shulman Avenue  
Toronto ON M3M 0B1  
Tél. : 647-329-1100  
Télééc. : 647-329-1143



March 31, 2022

Your Worship Darren White  
Township of Melancthon  
157101 Hwy 10  
Melancthon, ON L9V2E6

Dear Mayor Darren White:

As the Chief of Emergency Management for Ontario, it is incumbent on me to monitor, coordinate and assist municipalities with their respective municipal emergency management programs in accordance with the Emergency Management and Civil Protection Act (EMCPA). To confirm municipalities are in compliance with the EMCPA, every municipality in Ontario submits a compliance package to Emergency Management Ontario on a yearly basis.

Emergency Management Ontario (EMO) has reviewed the documentation submitted by your Community Emergency Management Coordinator (CEMC) and have determined that your municipality was compliant with the EMCPA in 2021.

The safety of all our citizens is important, and one way to ensure that safety is to ensure that your municipality is prepared in case of an emergency. We congratulate you on your municipality's efforts in achieving compliance in 2021. I look forward to continuing to work with you to support your continued compliance on an ongoing basis.

If you have any questions or concerns about this letter, please contact our Emergency Management Field Officer assigned to your Sector; their contact information is below.

Name: DarinDees

Email: [darin.dees@ontario.ca](mailto:darin.dees@ontario.ca)

Phone: 437-237-8024

Sincerely,

Teepu Khawja  
Assistant Deputy Minister and Chief, Emergency Management

cc: Steven D. Murphy - CEMC  
Darin Dees - Field Officer - Bruce Sector

Info #10  
APR 07 2022

The Corporation of the City of Cambridge  
Corporate Services Department  
Clerk's Division  
The City of Cambridge  
50 Dickson Street, P.O. Box 669  
Cambridge ON N1R 5W8  
Tel: (519) 740-4680 ext. 4585  
mantond@cambridge.ca

March 31, 2022

**Re: Motion: Councillor Wolf re: Request to impose a moratorium on all new gravel applications, including expansions to existing licensed sites**

At the Special Council Meeting of March 22, 2022, the Council of the Corporation of the City of Cambridge passed the following Motion:

WHEREAS Ontario currently has over 3600 licenses and 2500 permits held by Operators located throughout the Province that are able to meet the expected near term needs of Ontario's construction industry;

AND WHEREAS in 2020 there was approximately 5,677,296 tonnes of aggregate extracted from properties located within the Township of North Dumfries;

AND WHEREAS applications continue to be submitted without a definitive determination if there is a need for additional supply;

AND WHEREAS gravel pits and quarries can be destructive of natural environments and habitats when not properly planned and managed;

AND WHEREAS pits and quarries have negative social impacts on host and neighbouring communities like Cambridge in terms of noise, air pollution, and truck traffic;

AND WHEREAS the urgent need to reduce greenhouse gas emissions in order to combat climate change has brought awareness to the very high carbon footprint associated with the production of concrete and asphalt which are major end-users of aggregates;

NOW THEREFORE BE IT RESOLVED THAT the Province of Ontario be requested to impose an immediate temporary moratorium on all new gravel applications, including expansions to existing licensed sites, pending a broad consultation process that would

include First Nations, affected communities, independent experts and scientists, to chart a new path forward for the extraction and processing of aggregates in Southern Ontario which:

- i) Proposes criteria and processes for determining the need for new aggregate licences (including the expansion to existing licenses);
- ii) Recommends updated policies and restrictions for aggregate extraction below the water table to reflect current groundwater sciences; including quarterly water monitoring reports.
- iii) Assesses the cumulative impacts of aggregate operations in terms of off-site impacts to environmental systems; the groundwater regime and baseflow contributions to area watercourses, wetlands, etc; area habitat including corridors; traffic along haul routes; and, dust and noise emissions;
- iv) Develops new guidelines for reprocessing / recycling of concrete and asphalt products in order to ensure sustainable aggregate supplies;
- v) Recommends a fair levy for aggregate extraction that includes compensation for the full environmental and infrastructure maintenance costs to the local community of extraction and distribution of aggregate;
- vi) Provides greater weight to the input by local municipalities to lessen the social impacts from aggregate extraction and truck haul routes through their communities

AND FURTHER THAT a copy of this Resolution be sent to the Honourable Doug Ford, Premier of Ontario, the leaders of all Provincial Parties, the Minister of Northern Development, Mines, Natural Resources & Forestry, the MPPs of Waterloo Region, and, the Region of Waterloo.

Should you have any questions related to the approved resolution, please contact me.

Yours Truly,



Danielle Manton  
City Clerk

Cc: (via email)  
Hon. Premier Ford  
Association of Municipalities of Ontario  
City of Cambridge Council





March 31, 2022

Good Afternoon,

On March 30, 2022, the government released its [More Homes for Everyone Plan](#), that proposes targeted policies and initiatives for the immediate term to address market speculation, protect homebuyers and increase housing supply.

Details about the range of measures in the government's plan can be found in the news release here: [Ontario is Making It Easier to Buy a Home | Ontario Newsroom](#).

The More Homes for Everyone Plan is informed by a three-part consultation with industry, municipalities and the public. This includes the Rural Housing Roundtable and the first ever Ontario-Municipal Housing Summit, letters to all 444 municipalities asking for their feedback, and follow-up meetings with the leaders of municipal organizations. On behalf of the ministry, thank you for being part of our consultations and sharing your valuable input.

The government also introduced [Bill 109 - the More Homes for Everyone Act, 2022](#), and is seeking feedback on the changes proposed under the legislation and on other initiatives, through a series of housing related public consultations. This includes seeking input on how to support gentle density for [multi-generational and missing middle housing](#), as well as addressing [housing needs in rural and northern communities](#). These and other related consultations can be found through the [Environmental Registry of Ontario and the Ontario Regulatory Registry](#).

The government committed to prioritizing implementation of the [Housing Affordability Task Force's recommendations](#) over the next four years, with a housing supply action plan every year, starting in 2022-23. To facilitate this, the government plans to establish a Housing Supply Working Group, that would engage with municipal and federal governments, partner ministries, industry, and associations to monitor progress and support improvements to its annual housing supply action plans.

Ontario looks forward to continued collaboration with municipalities to address the housing crisis and hear your ideas and advice on the More Homes for Everyone Plan.

Sincerely,

A handwritten signature in black ink that reads "K. Manson-Smith".

Kate Manson-Smith

Deputy Minister

- c. Joshua Paul, Assistant Deputy Minister – Housing Division
- Sean Fraser, Assistant Deputy Minister – Planning and Growth Division
- Caspar Hall, Assistant Deputy Minister – Local Government Division

## Denise Holmes

---

**From:** Tecia White <tecia@white-water.ca>  
**Sent:** Thursday, March 31, 2022 5:13 PM  
**To:** Denise Holmes; dan.dobrin@ontario.ca  
**Cc:** Grant Horan  
**Subject:** Strada Aggregates: 2021 Annual Monitoring Report  
**Attachments:** Strada Shelburne\_FINAL.pdf

Good afternoon.

Please accept the appended 2021 Annual Compliance Report for the Strada Pit that has been completed to comply with the PTTW and ARA.

If you have any questions, please do not hesitate to call at any time

Regards,

*Tecia White, M.Sc., P.Geo.  
Senior Hydrogeologist / President  
Whitewater Hydrogeology Ltd.  
Cell: 705-888-7064*

**Whitewater**  
Hydrogeology Ltd.



**2021 GROUNDWATER AND  
SURFACE WATER MONITORING  
REPORT**

**SHELBURNE PITS 1-4**

Prepared for:  
Strada Aggregates

Whitewater Hydrogeology Ltd  
Phone: 705.888.7064  
Email: [tecia@white-water.ca](mailto:tecia@white-water.ca)

Date: March 2022

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## 1.0 INTRODUCTION

Strada Aggregates Inc. (Strada) holds three adjacent Aggregate Resources Act (ARA) Category 3, Class A licenses from the Ministry of Natural Resources and Forestry (MNRF), which permit for the extraction of aggregate from above the water table. The sites referred to as the Bonnefield/Prince Pits, Melancthon Pit #1 and Melancthon Pit #2 and are located on Part Lot 11-14, Concession 3 Township of Melancthon. Each property has been integrated into one all-encompassing operation, which includes a closed loop washing facility, which is regulated under the Melancthon Pits #2 Ontario Water Resources Act, Section 34, Permit to Take Water (PTTW) No.: 3210-AKRL9C (Appendix A).

Whitewater Hydrogeology Ltd. (Whitewater) developed a groundwater and surface water monitoring program that was designed to effectively identify and characterize any cumulative influences on the groundwater and surface water regimes because of the extraction and washing operations that occur under the three ARA licenses. This program also integrated a hydro-period surface water monitoring requirement to be used in the annual natural environment impact assessment (NRSI, 2020).

This report has been prepared to comply with the Integrated Monitoring Program which is provided in Appendix B.

## 2.0 COMPLIANCE MONITORING PROGRAM

### 2.1 Groundwater Monitoring

In total, there are currently 28 groundwater well nests that monitor 52 discrete aquifer intervals in the overburden and bedrock aquifers at the Shelburne Pits. The groundwater monitoring program is provided in Table 1 and Figure 1. Monitors “A” are constructed above the geological contact between the sand and gravel unit and the Tavistock Till, if saturated. Otherwise, the screens are set above the geological contact between the Tavistock Till and the bedrock. Monitoring wells constructed in the bedrock contact aquifer system are identified as monitors “B”. Borehole records are provided in Appendix B.

The groundwater monitoring program focuses on the on-going monitoring of background conditions (up-gradient locations) in both the overburden and bedrock aquifers and the monitoring of potential influences from the aggregate operation on down-gradient locations. The groundwater monitoring program is provided in Table 2. Selected up-gradient and down-gradient wells are sampled for water quality. The water quality parameters for the semi-annual and annual sampling programs are provided below.

Semi-Annual Groundwater Quality Parameters	Annual Groundwater Quality Parameters
General Water Quality Parameters: pH, Conductivity, Alkalinity, Bicarbonate, Chloride, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Nitrite, Phosphorous, and Metals (dissolved).	Total Petroleum Hydrocarbons (F1-F4) BTEX, Total Oil and Grease

Table 1: Groundwater Monitoring Well Details

Well Nest and Old Monitor ID (for reference only)		New Well ID	Top of Casing	Ground Surface	Top of Screen	Bottom of Screen	Location	
			Metres Above Sea Level (masl)				Easting	Northing
<b>Melancthon Pit #1</b>								
MW1	MW1-A	<b>OW13-A</b>	507.13	506.44	495.1	492.1	561,147	4,887,604
	MW1-B	<b>OW13-B</b>	507.13	506.44	490.5	487.5	561,147	4,887,604
MW2	MW2-B	<b>OW14-B</b>	497.36	496.46	479.8	476.8	561,761	4,887,840
MW5	MW5-B	<b>OW15-B</b>	511.48	510.85	482.8	479.8	561,432	4,887,667
MW8	MW8-B	<b>OW16-B</b>	497.28	496.50	488.5	469.9	561,727	4,888,004
<b>Melancthon Pit #2</b>								
MW2	MW2-B	<b>OW2-A</b>	507.64	507.09	500.04	496.99	561,213	4,887,227
	MW2-C	<b>OW2-B</b>	507.64	507.09	484.54	481.49	561,213	4,887,227
MW3	MW3-B/C	<b>OW3-B</b>	504.61	504.11	494.36	491.31	561,272	4,886,849
MW4	MW4-B	<b>OW4-A</b>	506.54	505.84	500.97	497.92	561,355	4,886,426
	MW4-C	<b>OW4-B</b>	506.54	505.84	495.17	492.12	561,355	4,886,426
MW5	MW5-A	<b>OW5-A</b>	494.68	493.95	483.89	480.84	561,742	4,886,523
	MW5-C	<b>OW5-B</b>	494.54	493.94	486.32	483.27	561,743	4,886,525
MW6	MW6A	<b>OW6-A</b>	494.99	493.0	481.59	478.54	561,660	4,886,939
MW7	MW7-A	<b>OW7-A</b>	497.26	496.76	485.18	482.13	561,704	4,886,785
	MW7-C	<b>OW7-B</b>	497.26	496.76	478.56	466.26	561,704	4,886,785
MW13	MW13-A	<b>OW8-A</b>	505.99	504.89	500.39	492.89	561,282	4,887,057
MW9	MW9-A	<b>OW9-A</b>	496.77	496.20	492.85	489.80	561,806	4,887,468
MW10	MW10-B	<b>OW10-A</b>	495.79	495.19	479.04	475.99	561,628	4,887,239
MW11	MW11-A	<b>OW11-A</b>	495.90	495.20	493.7	487.70	561,571	4,886,477
	MW11-C	<b>OW11-B</b>	495.90	495.20	483.00	480.00	561,571	4,886,477
MW12	MW12-A	<b>OW12-A</b>	495.80	485.12	480.62	473.02	560,813	4,887,450
<b>Bonnefield Pit</b>								
-	-	<b>OW17-A</b>	503.60	502.10	481.67	478.63	561,472	4,887,382
-	-	<b>OW17-B</b>	503.60	502.10	477.69	474.67	561,472	4,887,382
-	-	<b>OW18-A</b>	501.45	500.35	483.58	480.53	561,653	4,887,686
-	-	<b>OW18-B</b>	501.45	500.35	479.93	476.88	561,653	4,887,686
<b>Prince Pit</b>								
-	-	<b>OW19-A</b>	510.59	509.49	486.69	485.09	561,035	4,888,193
-	-	<b>OW19-B</b>	510.59	509.49	483.59	482.09	561,035	4,888,193
-	-	<b>OW20-B</b>	509.51	508.41	480.71	479.21	561,544	4,888,334
-	-	<b>OW21-B</b>	511.68	510.58	476.78	475.28	561,593	4,888,681
-	-	<b>OW22-B</b>	513.91	512.81	487.81	486.31	561,384	4,888,891
-	-	<b>OW23-B</b>	510.51	509.41	485.61	484.11	560,937	4,888,788



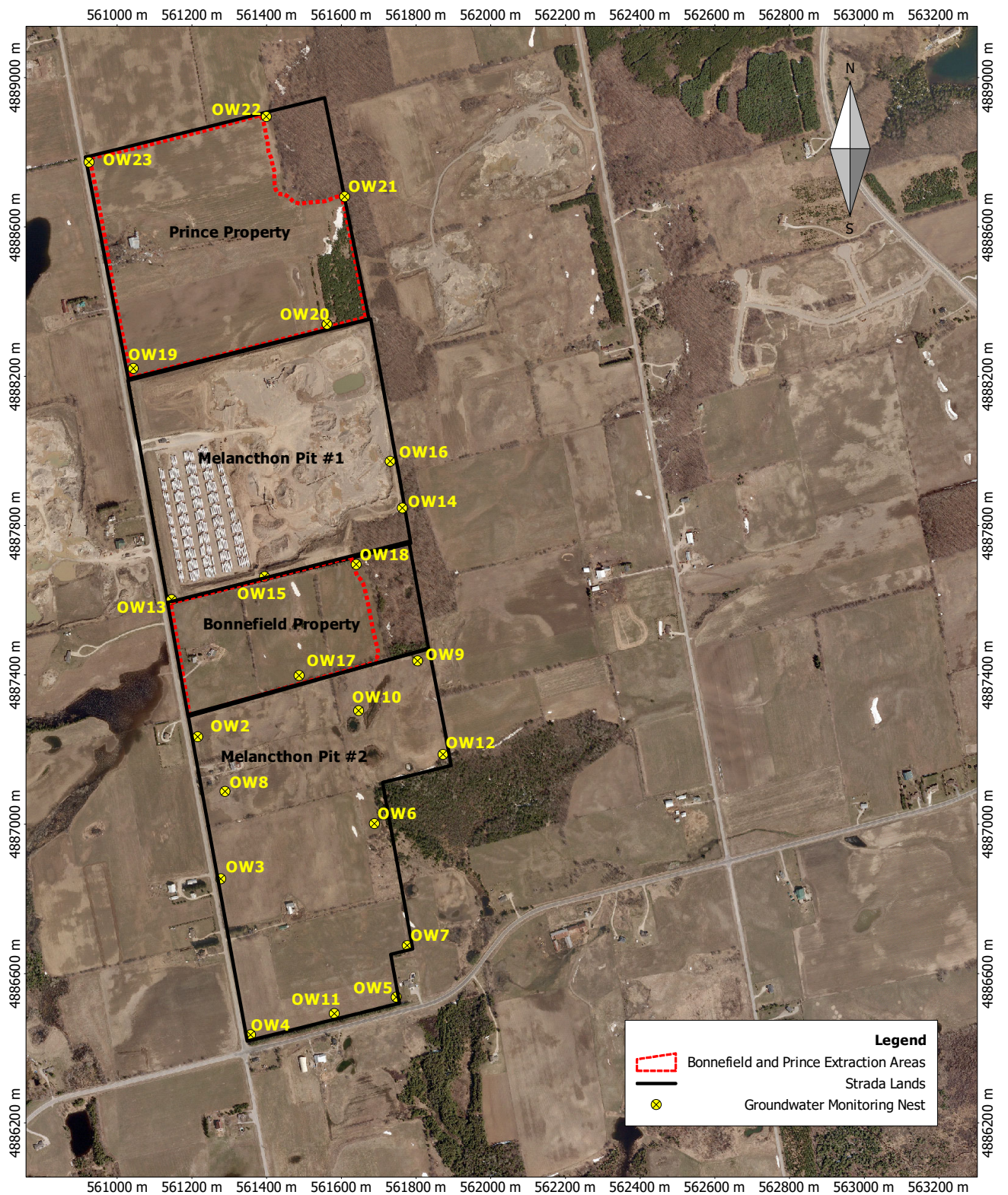


FIGURE 1: GROUNDWATER MONITORING LOCATIONS

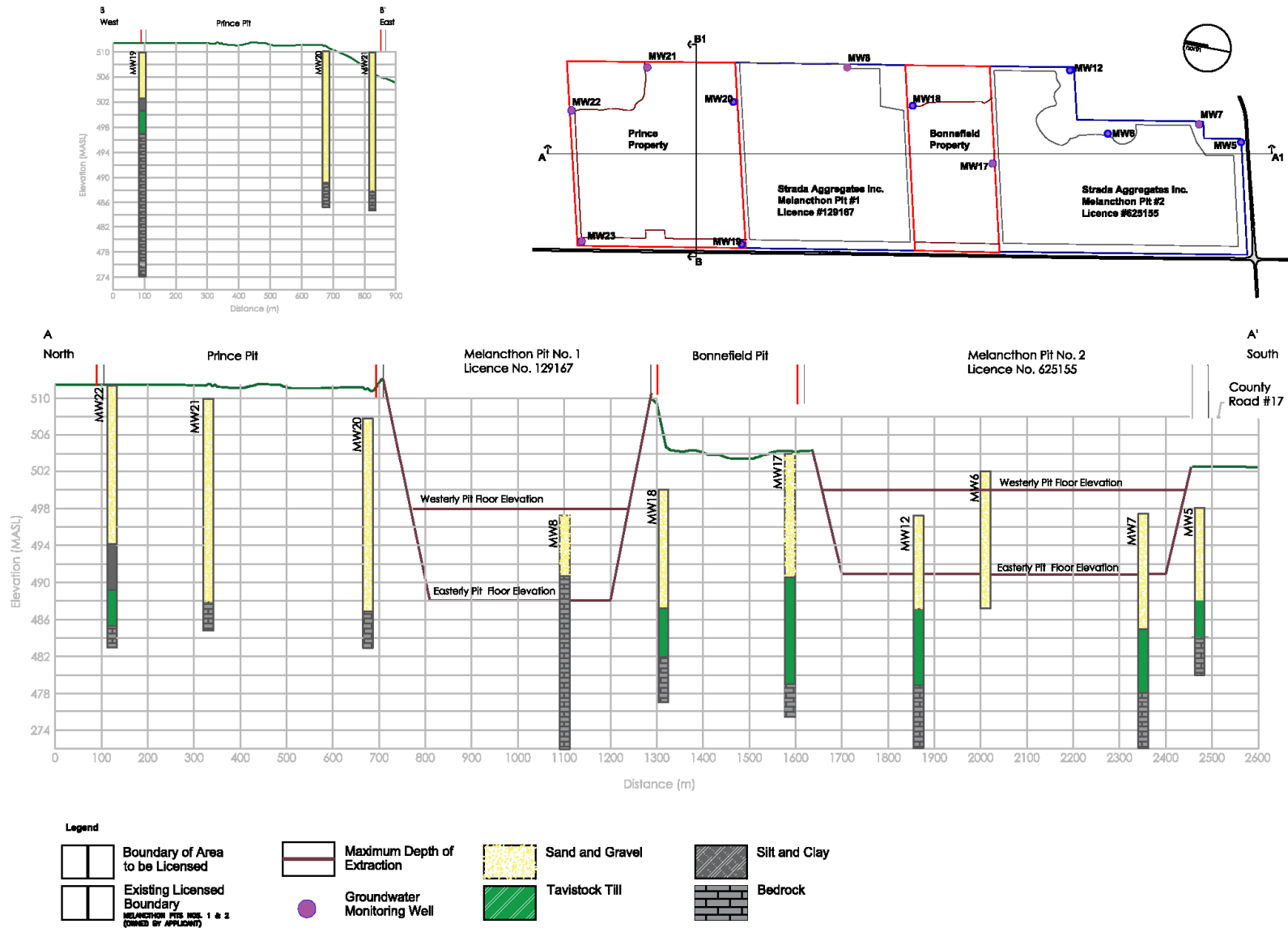


FIGURE 2: GEOLOGICAL CROSS-SECTION



Table 2: Groundwater Monitoring Network

Well ID	Water Levels		Water Quality	
	Monthly	Manual	Water	
OW2-A	X		X	
OW2-B	X		X	
OW3-B	X		X	
OW4-A	X		X	
OW4-B	X		X	
OW5-A	X		X	X
OW5-B	X		X	
OW6-A	X		X	X
OW7-A	X		X	X
OW7-B	X		X	
OW8-A	X		X	X
OW9-A	X		X	X
OW10-A	X		X	X
OW11-A	X		X	X
OW11-B	X		X	
OW12-A	X		X	X

Well ID	Water Levels		Water Quality	
	Monthly	Manual	Water	
OW13-A	X		X	
OW13-B	X		X	
OW14-B	X		X	X
OW15-B	X			
OW16-B	X		X	X
OW17-A	X			
OW17-B	X			
OW18-A	X		X	X
OW18-B	X		X	
OW19-A	X			
OW19-B	X		X	
OW20-B	X		X	X
OW21-B	X		X	x
OW22-B	X		X	
OW23-B	X		X	

## Note:

1. the collection of continuous water levels at selected groundwater monitoring locations is recommended.
2. OW15-B was destroyed in 2018
3. OW11-A, OW17-A and OW17-B were destroyed in 2019
4. OW2-A and OW2-B were destroyed in 2021

## 2.2 Surface Water Monitoring

Surface water elevation monitoring is completed during unfrozen conditions at 5 locations across the property. Surface water elevation monitoring has been on-going at the Wash Pond, North and South Ponds (Figure 1), since 2007. Two additional surface water monitoring stations to monitor the hydro-period in the wetland and vernal pool has been added to the monitoring program but on-going vandalism limited the ability to monitor in 2021 (Figure 1). Data have been assessed in conjunction with the groundwater monitoring data as part of the annual reporting requirement.

In addition, surface water quality is obtained from the North and South Ponds and analyzed for the same parameters as the groundwater wells.

## 2.3 2021 Water Taking Reporting

Strada is required to monitor the daily water takings under the PTTW, which includes recording the date, the volume of water taken on that date, and the rate at which it was taken. This data shall be submitted on or before March 31st every year to the ministry's Water Taking Reporting System.

### 3.0 HYDROLOGICAL / HYDROGEOLOGICAL EVALUATION

#### 3.1 2021 Water Takings

PTTW 3210-AKRL9C allows for the taking of 4,000 L/min for a maximum of 10 hours per day (a total of 2,400,00 L each day) to a maximum of 230 days between April 1 and November 16 of each year. In 2021, water was taken on 132 days between May 5th and November 15th. The maximum reported daily taking was 1,173,683 L. Strada remains in compliance with the water takings at the Melancthon Pit #2. The 2021 daily water takings from the Melancthon Pit #2 are summarized in Table 3.

TABLE 3: 2021 DAILY WATER TAKINGS

Date	Total Daily Taking (L)	Date	Total Daily Taking (L)	Date	Total Daily Taking (L)	Date	Total Daily Taking (L)	Date	Total Daily Taking (L)
03-May-21	1,042,268	11-Jun-21	1,076,401	22-Jul-21	1,116,094	07-Sep-21	1,141,617	15-Oct-21	1,173,683
04-May-21	1,044,323	14-Jun-21	1,077,506	23-Jul-21	1,117,075	08-Sep-21	1,141,617	21-Oct-21	1,161,923
05-May-21	1,046,125	15-Jun-21	1,079,637	26-Jul-21	1,118,816	09-Sep-21	1,143,589	22-Oct-21	1,163,804
06-May-21	1,048,339	16-Jun-21	1,081,670	27-Jul-21	1,119,796	10-Sep-21	1,144,474	23-Oct-21	1,165,409
07-May-21	1,049,849	17-Jun-21	1,083,710	28-Jul-21	1,121,654	11-Sep-21	1,144,474	24-Oct-21	1,165,409
10-May-21	1,051,151	18-Jun-21	1,084,565	29-Jul-21	1,123,377	13-Sep-21	1,144,474	25-Oct-21	1,167,245
11-May-21	1,052,680	19-Jun-21	1,085,212	30-Jul-21	1,124,399	14-Sep-21	1,144,474	26-Oct-21	1,168,910
12-May-21	1,054,187	21-Jun-21	1,086,605	02-Aug-21	1,124,399	15-Sep-21	1,146,412	27-Oct-21	1,168,910
13-May-21	1,055,920	22-Jun-21	1,088,782	03-Aug-21	1,124,399	16-Sep-21	1,148,365	28-Oct-21	1,169,603
14-May-21	1,056,761	23-Jun-21	1,090,670	04-Aug-21	1,124,399	17-Sep-21	1,149,735	29-Oct-21	1,171,382
17-May-21	1,056,761	24-Jun-21	1,092,559	05-Aug-21	1,124,399	20-Sep-21	1,151,007	30-Oct-21	1,172,574
18-May-21	1,056,761	25-Jun-21	1,093,013	06-Aug-21	1,124,399	21-Sep-21	1,153,062	31-Oct-21	1,173,683
19-May-21	1,056,761	26-Jun-21	1,093,013	09-Aug-21	1,126,272	22-Sep-21	1,155,171	08-Nov-21	1,168,910
20-May-21	1,056,761	28-Jun-21	1,095,053	10-Aug-21	1,127,949	23-Sep-21	1,157,162	11-Nov-21	1,168,910
21-May-21	1,056,761	29-Jun-21	1,095,977	11-Aug-21	1,127,949	24-Sep-21	1,158,297	12-Nov-21	1,169,603
25-May-21	1,056,761	30-Jun-21	1,097,438	12-Aug-21	1,129,917	27-Sep-21	1,160,193	13-Nov-21	1,171,382
26-May-21	1,058,831	05-Jul-21	1,099,100	13-Aug-21	1,129,917	28-Sep-21	1,161,923	14-Nov-21	1,172,574
27-May-21	1,060,807	06-Jul-21	1,100,867	23-Aug-21	1,135,818	29-Sep-21	1,161,923	15-Nov-21	1,173,683
28-May-21	1,061,696	07-Jul-21	1,102,858	24-Aug-21	1,137,014	30-Sep-21	1,161,923		
31-May-21	1,062,079	08-Jul-21	1,102,858	25-Aug-21	1,138,573	01-Oct-21	1,161,923		
01-Jun-21	1,064,058	09-Jul-21	1,103,751	26-Aug-21	1,138,573	04-Oct-21	1,163,804		
02-Jun-21	1,065,894	12-Jul-21	1,104,259	27-Aug-21	1,138,573	05-Oct-21	1,165,409		
03-Jun-21	1,067,521	13-Jul-21	1,106,147	30-Aug-21	1,138,573	06-Oct-21	1,165,409		
04-Jun-21	1,068,623	14-Jul-21	1,107,559	31-Aug-21	1,138,573	07-Oct-21	1,167,245		
07-Jun-21	1,070,178	15-Jul-21	1,108,539	01-Sep-21	1,138,573	08-Oct-21	1,168,910		
08-Jun-21	1,071,912	16-Jul-21	1,109,558	02-Sep-21	1,140,720	11-Oct-21	1,168,910		
09-Jun-21	1,073,184	19-Jul-21	1,111,238	03-Sep-21	1,141,617	12-Oct-21	1,169,603		
10-Jun-21	1,075,091	20-Jul-21	1,112,835	06-Sep-21	1,141,617	13-Oct-21	1,171,382		
11-Jun-21	1,076,401	21-Jul-21	1,114,455	07-Sep-21	1,141,617	14-Oct-21	1,172,574		

#### 3.2 Groundwater Level Elevations

##### 3.2.1 Overburden Groundwater Elevations

The groundwater elevations in the vicinity of the Strada properties are strongly influenced by the bedrock topography and the buried bedrock valley system reported in the southeast portion of the study area. This feature has created a primarily downward gradient drawing water levels from the shallow overburden aquifer to the bedrock flow system. As a result, the overburden is dry in the north and north-western portion of Melancthon Pit #1 as well as beneath the Prince property. Permanent unsaturated conditions in the overburden are reported at OW3, OW14, OW16, OW20, and OW21, where the first water-bearing zone is found beneath the bedrock contact (bedrock aquifer).

Where saturated, the water levels in the overburden represent the water table. Generally, the water level trends are seasonal, with water levels peaking in the spring and decreasing over the warmer and drier

summer months (Figure 3). Based on the continuous water level measurements at the 9 overburden monitoring wells, the water table ranges between an approximate high of 499 masl to an approximate low of 485 masl during the spring season. Over the following months, the water levels drop approximately 1 and 6 m.

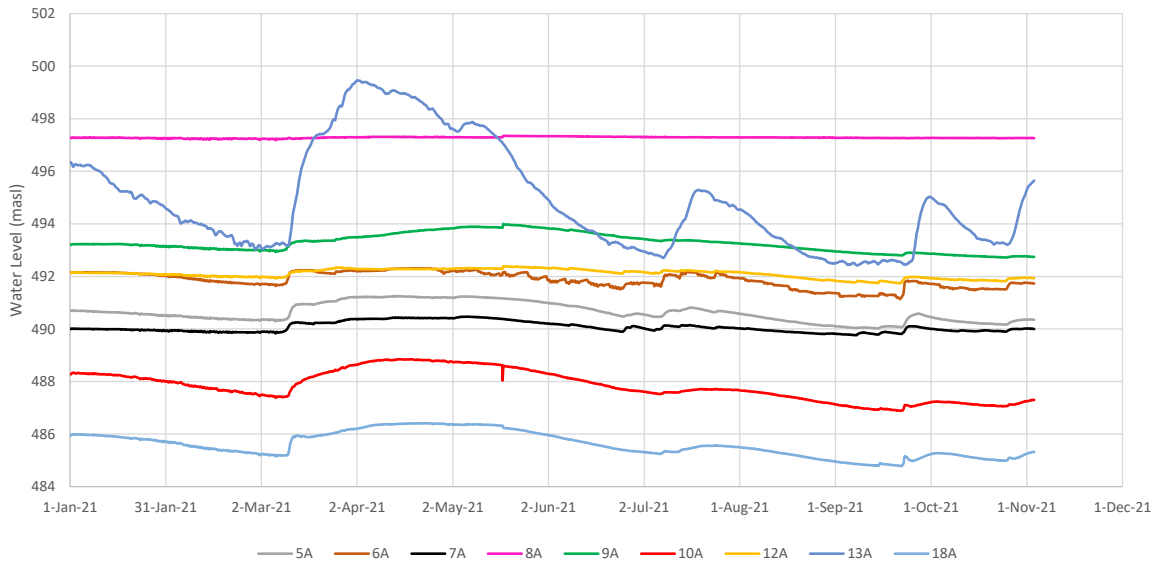


FIGURE 3: OVERBURDEN HYDROGRAPH

3.2.2 Bedrock/Till Contact Groundwater Elevations

Like the overburden water levels, the water levels in the weather bedrock aquifer (bedrock contact) show muted seasonal trends where water level highs are reached during the spring, followed by a slight decrease during the summer, fall, and winter months. Water levels in the bedrock are less influenced by seasonal trends and remain relatively stable over the monitoring period (.

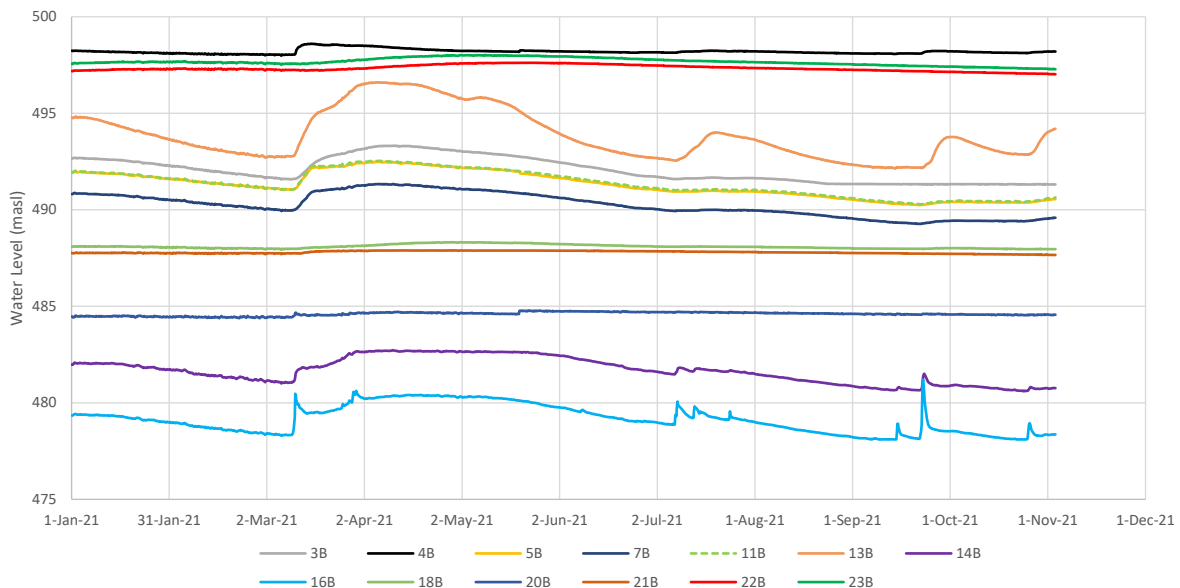


FIGURE 4: BEDROCK HYDROGRAPH

### 3.3 Surface Water Level Elevations

#### 3.3.1 Wash Pond

The wash pond is a closed-loop system where clean groundwater is pumped from a below water pond, run through the washing plant, and then the dirty wash water is discharged into a series of settling ponds before the clean water recirculated back to the freshwater pond. Figure 5 presents the continuous water levels collected from the Wash Pond. In 2021, water was taken on 109 days between May 3<sup>rd</sup> and November 14<sup>th</sup>. During the operation of the wash plant, short term water level fluctuations occurred in response to the performance of the closed-loop system. No drawdown resulting from the washing of aggregate is evident from the monitoring data.

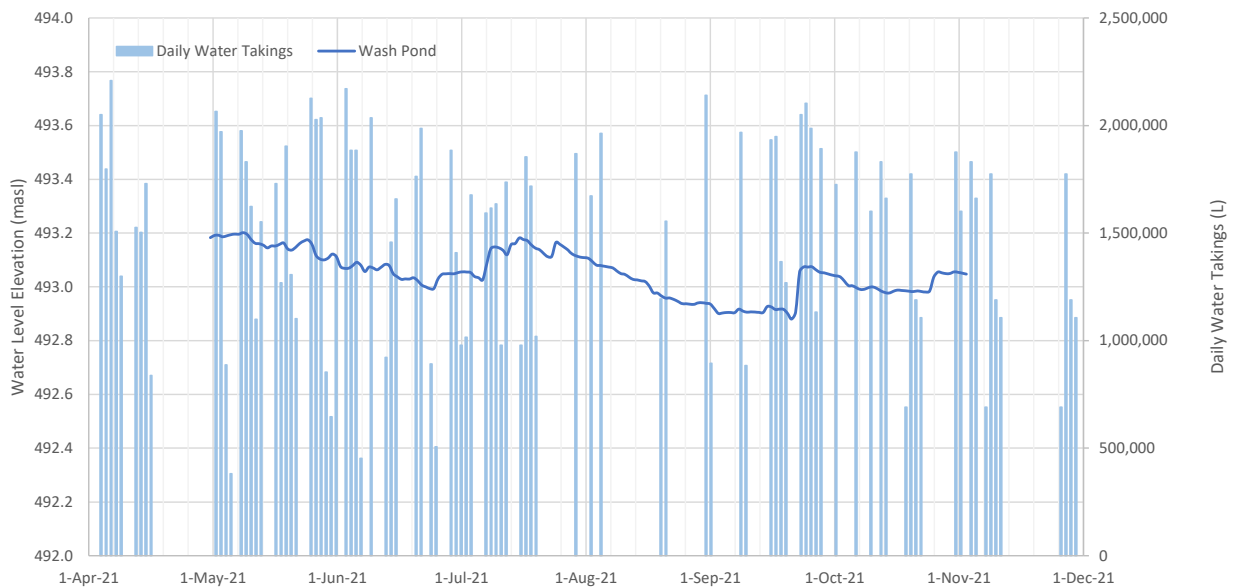


FIGURE 5: WASH POND WATER LEVELS AND DAILY WATER TAKINGS

#### 3.3.2 North and South Ponds

The water level in the South Pond reached approximately 493.5 masl, while the water level in the North Pond peaked around 493.3 masl. Over the course of the monitoring period, water levels in the North and South Ponds remained within 493.5 and 492.5 masl (Figure 6). Both ponds have historically gone dry during periods of drought. However, in 2021 both ponds remained wet throughout the ice-free conditions. Dataloggers were removed in the late fall to limit damage to the devices.

To compare the surface water elevations to the local water table conditions, monitoring well 10A has been plotted in Figure 6. The water table is located approximately 3-4 m below the surface water levels suggesting that the ponds are perched.

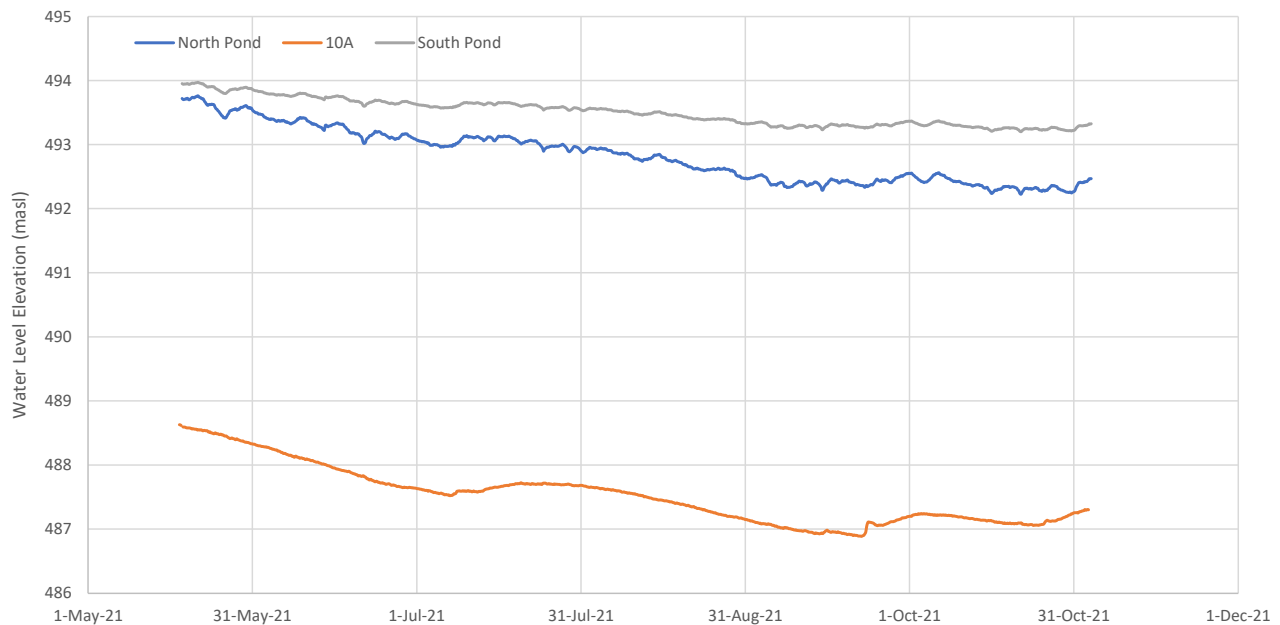


FIGURE 6: NORTH AND SOUTH POND WATER LEVELS

### 3.3.3 Vernal Pool and Shallow Marsh Wetland

Local surface water features include a small wetland and vernal pool, which are located within the forested area approximately 100 m from the proposed extraction boundary for the Bonnefield Pit. These features are perched approximately at least 1.5 m above the water table and therefore isolated from the groundwater regime.

In 2021, the monitoring devices installed in the wetland and vernal pool have been vandalized. The vernal pool is immediately adjacent to an active trail used by ATVs and snowmobiles. This trail bisects the wetland feature where significant disturbance has occurred.

It is recommended that alternative ways to install and monitor these features be completed prior to the re-installation of monitoring equipment in the spring of 2022. It is further recommended that Strada secure the site to ensure no trespassing occurs moving forward.

## 3.4 Water Quality

### 3.4.1 Groundwater Quality

Groundwater quality sampling at the Shelburne Pits is completed on a semi-annual basis (spring and fall). In 2021, the monitoring program was completed on May 21<sup>st</sup> and November 4<sup>th</sup>. Samples were collected and analyzed for general water chemistry, volatile organic compounds (VOCs), and petroleum hydrocarbons (PHC).

The groundwater geochemistry at the site is characterized by relatively low concentrations for most parameters. This is illustrated by the fact many inorganic parameters have a concentration that is below laboratory detection limits.

In addition to the inorganic sampling discussed above, several petroleum hydrocarbon parameters were analyzed. Occasional detections of oil and grease were noted in the groundwater (1-2 mg/L; detection limit

is 1 mg/L). This result is not considered to be a concern due to the extremely low concentration. In addition, detections of hydrocarbons (F2 at OW10A [0.1 mg/L] and F3 at OW10A, OW21A and OW14B [0.56, 0.5, and 0.62 mg/L]) were noted. Results from OW10A and OW14B are at or slightly above the guidelines for Ontario Regulation 153. It is recommended that in 2022 new dedicated monitoring equipment (bailers) be installed in all the wells that are apart of the annual water quality sampling program. Copies of the lab reports can be found in Appendix C.


### 3.4.2 Surface Water Quality


Surface water quality sampling at the Shelburne Pit is also completed on a semi-annual basis (spring and fall). In 2020, the monitoring program was completed on May 21<sup>st</sup> and November 24<sup>th</sup>. Samples were collected and analyzed for general water chemistry.

The surface water quality from the North and South Pond exhibits a Ca-HCO<sub>3</sub> signature. Based on Gibbs (1970) classification of surface water, surface water chemistry in closed lakes (or wetlands) is controlled by rainfall, rock weathering, and/or evaporation and fractional crystallization. The primary source of HCO<sub>3</sub> in the North Pond is the generation in the soil zone from CO<sub>2</sub>, which is carried into the pond during runoff and bank erosion. The quality of the North and South Pond is typical of fresh surface water. Copies of the lab reports can be found in Appendix C.

## 4.0 CONCLUSIONS

The Shelburne Pits remain in compliance with the ARA and PTTW issued for the sites.

  
Tecia White, M.Sc., P.Eng., P. Geo.  
Senior Hydrogeologist / President  
Whitewater Hydrogeology Ltd.



**APPENDIX A**  
**PERMIT TO TAKE WATER**

**PERMIT TO TAKE WATER**

Ground Water

NUMBER 3210-AKRL9C

*Pursuant to Section 34.1 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:*

Strada Aggregates Inc.  
30 Floral Parkway  
Vaughan, Ontario  
L4K 4R1

*For the water taking from:* Shelburne South Pit - Wash Pond

*Located at:* Lot 11 and 12, Concession 3, Geographic Township of Melancthon  
Melancthon, County of Dufferin

*For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:*

**DEFINITIONS**

- (a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34.1, OWRA.
- (b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.
- (c) "Ministry" means Ontario Ministry of the Environment and Climate Change.
- (d) "District Office" means the Guelph District Office.
- (e) "Permit" means this Permit to Take Water No. 3210-AKRL9C including its Schedules, if any, issued in accordance with Section 34.1 of the OWRA.
- (f) "Permit Holder" means Strada Aggregates Inc..
- (g) "OWRA " means the *Ontario Water Resources Act*, R.S.O. 1990, c. O. 40, as amended.

*You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:*



## **TERMS AND CONDITIONS**

### **1. Compliance with Permit**

- 1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated September 18, 2016 and signed by Grant C. Horan, and all Schedules included in this Permit.
- 1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.
- 1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.
- 1.4 This Permit is not transferable to another person.
- 1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.
- 1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.
- 1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

### **2. General Conditions and Interpretation**

#### **2.1 Inspections**

The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act*, R.S.O. 1990, the *Pesticides Act*, R.S.O. 1990, or the *Safe Drinking Water Act*, S. O. 2002.

#### **2.2 Other Approvals**

The issuance of, and compliance with this Permit, does not:

- (a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act*, and the *Environmental Protection Act*, and any regulations made thereunder; or
- (b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

### 2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

(a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or

(b) acceptance by the Ministry of the information's completeness or accuracy.

### 2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

### 2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

### 2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

## 3. Water Takings Authorized by This Permit

### 3.1 Expiry

This Permit expires on **March 31, 2027**. No water shall be taken under authority of this Permit after the expiry date.

### 3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

**Table A**

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Wash Pond	Pond Dugout	Aggregate Washing	Industrial	4,000	10	2,400,000	230	17 561589 4887164
						<b>Total Taking:</b>	2,400,000		

- 3.3 Water taking under the authorization of this Permit shall only occur to a maximum of 230 days between April 1 and November 16 of each year from date of issue to March 31, 2027.
- 3.4 This Permit is issued for the sole purpose of washing gravel in a closed loop system where the majority of the water is recirculated and does not include dust suppression.
- 3.5 Prior to taking of water under this Permit, the Permit Holder shall ensure that any and all applicable permits or authorizations are obtained from Federal and Provincial Agencies having legislative mandates in water resources management.

**4. Monitoring**

- 4.1 Under section 9 of O. Reg. 387/04, and as authorized by subsection 34(6) of the *Ontario Water Resources Act*, the Permit Holder shall, on each day water is taken under the authorization of this Permit, record the date, the volume of water taken on that date and the rate at which it was taken. The daily volume of water taken shall be measured by a flow meter or calculated in accordance with the method described in the application for this Permit, or as otherwise accepted by the Director. The Permit Holder shall keep all records required by this condition current and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request. The Permit Holder, unless otherwise required by the Director, shall submit, on or before March 31<sup>st</sup> in every year, the records required by this condition to the ministry's Water Taking Reporting System.
- 4.2 The Permit Holder shall monitor water levels at the following monitoring points as described below:

Well No. /Pond Name	Water Level Elevations	
	Continuous Datalogger (4-hour intervals)	Monthly Manuals

Wash Pond (during unfrozen conditions)	X	X
OW2-A	X	X
OW2-B	X	X
OW2-C	X	X
OW3-A	X	X
OW3-B	X	X
OW4-A	X	X
OW4-B	X	X
OW4-C	X	X
OW5-A	X	X
OW5-B	X	X
OW5-C	X	X
OW6-A	X	X
OW7-A	X	X
OW7-C	X	X
OW8-A	X	X
OW8-B	X	X
OW9-A	X	X
OW10-A	X	X
OW10-B	X	X
OW11-A	X	X
OW11-C	X	X
OW12-A	X	X
OW13-A	X	X
North Pond	X	X
South Pond	X	X

- 4.3 The Permit Holder shall submit to the Director by March 31, 2019, a report with the monitoring data collected under Sections 4.1 and 4.2 of this Permit during the first two years of the aggregate washing operation, along with its interpretation; the report should include an assessment of the impact of the water taking, if any, on the surface water features (wetland) adjacent to the Wash Pond. The report should also include recommendations on modifications to the water taking and/or to the monitoring program as described in this Permit.

## **5. Impacts of the Water Taking**

### **5.1 Notification**

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

### **5.2 For Groundwater Takings**

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

## **6. Director May Amend Permit**

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act*, Section 100 (4).

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.
2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.
3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

*In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Environmental Commissioner, **Environmental Bill of Rights**, R.S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*In addition to these legal requirements, the Notice should also include:*

- a. The name of the appellant;
- b. The address of the appellant;
- c. The Permit to Take Water number;
- d. The date of the Permit to Take Water;
- e. The name of the Director;
- f. The municipality within which the works are located;

*This notice must be served upon:*

*The Secretary  
Environmental Review Tribunal  
655 Bay Street, 15th Floor  
Toronto ON  
M5G 1E5  
Fax: (416) 326-5370  
Email:  
ERTTribunalsecretary@ontario.ca*

AND

*The Environmental Commissioner  
1075 Bay Street  
6th Floor, Suite 605  
Toronto, Ontario M5S 2W5*

AND

*The Director, Section 34.1,  
Ministry of the Environment and  
Climate Change  
12th Floor  
119 King St W  
Hamilton ON L8P 4Y7  
Fax: (905) 521-7820*

***Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:***

by Telephone at

(416) 212-6349

Toll Free 1(866) 448-2248

by Fax at

(416) 326-5370

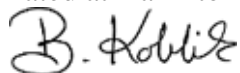
Toll Free 1(844) 213-3474

by e-mail at

www.ert.gov.on.ca

*This instrument is subject to Section 38 of the **Environmental Bill of Rights** that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.*

Dated at Hamilton this 8th day of May, 2017.



Belinda Koblik

Director, Section 34.1

*Ontario Water Resources Act* , R.S.O. 1990

## **Schedule A**

This Schedule "A" forms part of Permit To Take Water 3210-AKRL9C, dated May 8, 2017.

1. Hydrogeological Assessment in Support an OWRA Sec 34 PTTW, Shelburne South Pit, dated December, 2016, prepared by Whitewater Hydrogeology Ltd. for Strada Aggregates.
2. 2016 Compliance Groundwater Monitoring Report, Shelburne South Pit, dated January 2017, prepared by Whitewater Hydrogeology Ltd. for Strada Aggregates.



**APPENDIX B**  
**INTEGRATED MONITORING PROGRAM**

# **Strada Aggregates Melancthon Pits – Integrated Monitoring Plan**

## **February 2018**

### **Background**

The Strada Melancthon Pits consist of:

- Pit #1 (Licence # 129167) located at West Half of Lot 13, Concession 3 O.S., licenced in 2004;
- Pit #2 (Licence # 625155) located at West Half of Part Lot 11 and 12, Concession 3 O.S., licenced in 2012; and
- The proposed Bonnefield and Prince extension lands located at Part of West Half of Lots 12 and 14, Concession 3 O.S.

The proposed Prince and Bonnefield extensions will be fully integrated with existing aggregate operations at Melancthon Pits #1 and #2. The existing operations require monitoring and annual reporting with respect to the water table, water quality and the natural environment. Hydrogeological and natural environment investigations for the proposed extension have recommended expansion of the monitoring programs to include the additional lands. The Ministry of Natural Resources and Forestry (MNRF) has requested an Integrated Monitoring Plan to consolidate the existing and proposed monitoring requirements.

### **Natural Environment**

#### *Amphibian Monitoring*

Annual monitoring of the wetlands for the presence of breeding amphibians was originally recommended in the Level 2 Natural Environment Assessment (NEA) report for Melancthon Pit #2, as well as surface and groundwater monitoring to assess water level fluctuations (NRSI 2010). The implementation of an amphibian monitoring program was further requested by the Nottawasaga Valley Conservation Authority (NVCA) and Michalski Nielson in their review of the Level 2 NEA report.

NRSI has undertaken annual amphibian monitoring at the wetlands located adjacent to Melancthon Pit #2 since 2013. Initial amphibian call surveys were undertaken in 2009.

Of the two proposed pit areas, only the Bonnefield Pit property contains wetland habitat (outside the extraction area). Surveys completed in 2016 recorded the presence of breeding amphibians. To ensure that the proposed pit does not negatively impact the wetland and its amphibian breeding habitat function it was recommended that the existing amphibian monitoring program for Melancthon Pit #2 be expanded to include the Bonnefield Pit to maximize efficiencies, and achieve consistency in methodology and data comparability.

Annual amphibian call surveys that were initiated at Melancthon Pit #2 will continue for the duration of the lifespan of the pit, as was originally proposed. Beginning in 2018, NRSI will initiate annual monitoring of the Bonnefield property wetland which will also be undertaken for the lifespan of that pit. Annual monitoring of the Bonnefield Pit wetland will build on NRSI's 2016 amphibian call surveys on the property

to inform the NEA report. See **Map 1** for the location of the existing monitoring stations at Melancthon Pit #2 in addition to the single monitoring station at the Bonnefield Pit wetland. Since no amphibian calling activity was documented within the Bonnefield property vernal pool during 2016 surveys, despite the presence of standing water, additional long-term monitoring of the vernal pool is not included in this plan. However, if amphibian calling activity is heard within the vernal pool during future monitoring years, an additional monitoring station will be established at this location and will be monitored annually.

Proposed monitoring at the Bonnefield Pit wetland will document additional baseline data on breeding amphibian species presence and relative abundance prior to aggregate extraction, followed by multiple years of operational-stage monitoring. As has been completed for Melancthon Pit #2, long-term data will be collected to identify trends or other indicators that will be used to assess any negative occurrences to amphibian breeding activity that may be the result of pit activities. The amphibian survey data collected at the Bonnefield and Melancthon Pit #2 sites will also be compared to look for spatial trends, or any similarities or differences in survey results over time that may indicate presence of localized or widespread pit operation effects.

In accordance with survey methodology completed to date, the monitoring program will utilize the Marsh Monitoring Program methodology (BSC 2009), which records amphibian call activity during 3-minute call counts. Counts will be conducted once per month during each of April, May and June in conjunction with appropriate night time air temperatures and wind speeds. If the provincial Species of Conservation Concern Western Chorus Frog (*Pseudacris triseriata*) is detected during any monitoring event, additional monitoring events may be added to fully document the abundance and distribution of this species within the surveyed wetlands.

A brief summary report, combining the results collected from the Melancthon Pit #2 site with the Bonnefield Pit site, will be prepared each year which outlines the findings of the annual monitoring. This will include an assessment of the surface water and groundwater monitoring data to be collected by Whitewater Hydrogeology within both properties (Whitewater Hydrogeology 2017) as it relates to amphibian breeding conditions. Each annual report will be provided to Strada for their review, and then to the NVCA and the Township of Melancthon.

#### *Woodland Buffer*

The deciduous woodland communities within the Bonnefield and Prince extension lands will be retained outside the proposed limit of extraction. 10 metre woodland buffers have been recommended to protect these features and mitigate impacts from adjacent extraction activities. The woodland buffers will be allowed to re-naturalize and will be supplemented with targeted native species plantings.

The woodland buffers will be inspected during pit operations to ensure disturbances are not occurring. The health and survival of buffer planting will also be inspected.

#### **Hydrogeology**

Compliance groundwater and surface water monitoring has been occurring at both Melancthon Pit #1 and #2 since 2001 and 2007, respectively. In addition, baseline groundwater monitoring commenced in

2017 at the Bonnefield and Prince properties. In total, there are currently 28 groundwater well nests that monitor 52 discrete aquifer intervals in the overburden and bedrock aquifers. The Melancthon Pit #1 and #2 groundwater monitoring programs were developed to characterize the local groundwater conditions at each individual property and were based on two operating pits (two scale houses, two fuel storage areas, and multiple crushing and processing operations). The proposed licensing of the Bonnefield and Prince properties provides an opportunity to not only streamline operations by eliminating the need to operate as individual pits but to develop a revised groundwater monitoring program. The revision would remove redundancies in the monitoring network and reporting allowing for an opportunity to complete an accumulative impact assessment from the Strada properties.

The revised groundwater monitoring program is shown on **Map 2**. The revised program consists of 22 groundwater well nests that monitor 36 discrete aquifer intervals in the overburden and bedrock aquifers.

The proposed program focuses on the on going monitoring of background conditions (up gradient locations) in both the overburden and bedrock aquifers and the monitoring of potential influences from the aggregate operation on down gradient locations. The proposed groundwater monitoring program is provided in **Table 1**. Selected up gradient and down gradient wells will be sampled for water quality. The water quality parameters for the semi annual (spring and fall) and annual (spring) sampling programs are provided in **Table 2**.

Surface water elevation monitoring has been on-going at the North and South Ponds (Map 2), since 2007. Two additional surface water monitoring stations to monitor the hydro-period in the wetland and vernal pool (Map 2) will commence in 2018. This monitoring will consist of the collection of continuous water level data during non-frozen conditions. Data will be assessed in conjunction with the groundwater monitoring data as part of the annual reporting requirement.

Table 1 – Proposed Groundwater Monitoring Network

Well ID	Water Levels		Water Quality	
	Monthly	Manual Water	Semi-Annual	Annual
OW2-A	X		X	
OW2-B	X		X	
OW3-B	X		X	
OW4-A	X		X	
OW4-B	X		X	
OW5-A	X		X	X
OW5-B	X		X	
OW6-A	X		X	X
OW7-A	X		X	X
OW7-B	X		X	
OW8-A	X		X	X
OW9-A	X		X	X
OW10-A	X		X	X
OW11-A	X		X	X
OW11-B	X		X	
OW12-A	X		X	X

Well ID	Water Levels		Water Quality	
	Monthly	Manual Water	Semi-Annual	Annual
OW13-A	X		X	
OW13-B	X		X	
OW14-B	X		X	X
OW15-B	X			
OW16-B	X		X	X
OW17-A	X			
OW17-B	X			
OW18-A	X		X	X
OW18-B	X		X	
OW19-A	X			
OW19-B	X		X	
OW20-B	X		X	X
OW21-B	X		X	x
OW22-B	X		X	
OW23-B	X		X	

Note: the collection of continuous water levels at selected groundwater monitoring locations is recommended.

Table 2 – Proposed Water Quality Parameters

Semi-Annual Groundwater Quality Parameters	Annual Groundwater Quality Parameters
General Water Quality Parameters: pH, Conductivity, Alkalinity, Bicarbonate, Chloride, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Nitrite, Phosphorous, and Metals (dissolved).	Total Petroleum Hydrocarbons (F1-F4) BTEX, Total Oil and Grease

It is recommended that a single annual groundwater monitoring report for the Melancthon Pits #1 and 2, as well as the proposed Bonnefield and Prince Pits be prepared and submitted to the MNRF, Township of Melancthon and NVCA prior to March 31<sup>st</sup> of each year and include the monitoring data for the 12 month period ending December 31<sup>st</sup> of the previous year. The report shall include, but not be limited to, the following:

1. Monitoring data collected as per Table 1 and Table 2;
2. Data in tabulated and graphical formats;
3. Interpretation of the collected data including discussions of any observed trends in groundwater levels and groundwater quality (analytical) results;
4. Recommendations on and justification for the need for make changes to monitoring locations, monitoring frequency, type of monitoring, pumping patterns and/or the need for mitigation, and
5. Summary and documentation of any water well complaint(s) and their resolution(s).



561400 561500 561600 561700 561800 561900 562000

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Map 1  
**Melancthon #2 and  
 Bonnefield Pits**  
**Anuran Monitoring Stations**

**NATURAL RESOURCE SOLUTIONS INC.**  
 Aquatic, Terrestrial and Wetland Biologists

Date: November 7, 2017  
 Project: NRSI-1748  
 Scale: 1:3,000  
 NAD83 - UTM Zone 17

Proposed Bonnefield Pit

Melancthon Pit #2

ANR-009

ANR-003

ANR-002

ANR-001

ANR-004

ANR-005






ANR-006

ANR-007a

ANR-007b

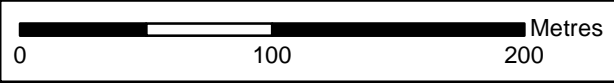
ANR-008a

**Legend**

-  Subject Property
-  Anuran Monitoring Station (ANR)
-  Direction of Survey
-  Surveyed Wetland Boundary
-  Wetland (Boundaries Approximate)

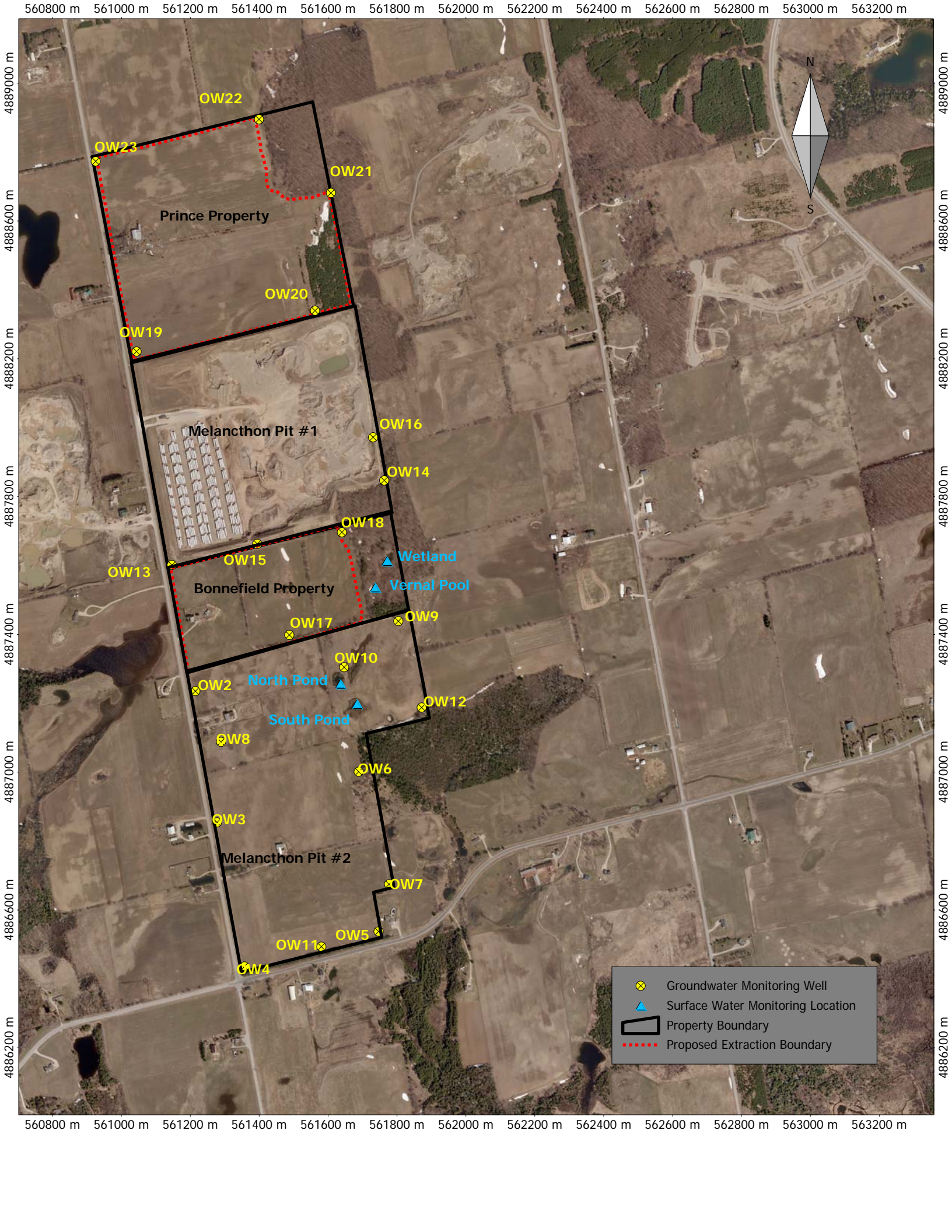
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
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	Groundwater Monitoring Well
	Surface Water Monitoring Location
	Property Boundary
	Proposed Extraction Boundary

**APPENDIX C**  
**GROUNDWATER AND SURFACE WATER**  
**QUALITY**





## CERTIFICATE OF ANALYSIS

Client:	Tecia White	Work Order Number:	430910
Company:	Whitewater Hydrogeology Ltd.	PO #:	
Address:	80 Chamberlain Cres Collingwood, ON, L9Y 0C8	Regulation:	Information not provided
Phone:	(705) 888-7064	Project #:	Strada Shelburne- Semi Annual-Groundwater
Email:	tecia@white-water.ca	DWS #:	
		Sampled By:	
Date Order Received:	5/21/2021	Analysis Started:	5/25/2021
Arrival Temperature:	11.3 °C	Analysis Completed:	5/28/2021

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OW3B	1645715	Ground Water	None		5/21/2021	
OW4B	1645716	Ground Water	None		5/21/2021	
OW5A	1645717	Ground Water	None		5/21/2021	
OW5B	1645718	Ground Water	None		5/21/2021	
OW6A	1645719	Ground Water	None		5/21/2021	
OW7A	1645720	Ground Water	None		5/21/2021	
OW7B	1645721	Ground Water	None		5/21/2021	
OW8A	1645722	Ground Water	None		5/21/2021	
OW9A	1645723	Ground Water	None		5/21/2021	
OW10A	1645724	Ground Water	None		5/21/2021	
OW12A	1645725	Ground Water	None		5/21/2021	
OW13A	1645726	Ground Water	None		5/21/2021	
OW13B	1645727	Ground Water	None		5/21/2021	
OW14B	1645728	Ground Water	None		5/21/2021	
OW16B	1645729	Ground Water	None		5/21/2021	
OW18A	1645730	Ground Water	None		5/21/2021	
OW18B	1645731	Ground Water	None		5/21/2021	



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OW22B	1645732	Ground Water	None		5/21/2021	
OW23B	1645733	Ground Water	None		5/21/2021	

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Alkalinity (A1.0)	Mississauga	Determination of Alkalinity by Titration	Modified from APHA-2320B
Anions Water (mg/L by IC) (A5)	Mississauga	Determination of Anions in Water by Ion Chromatography	Modified from SW846-9056A
Carbonate (A94)	Mississauga	Determination of Carbonate and Bi-Carbonate	Modified from APHA-2320
Conductivity of Water (A12)	Mississauga	Determination of Conductivity in Water at 25°C	Modified from SM 2510 B
ICPMS Dis. Water (A13)	Mississauga	Determination of Dissolved (Lab Filtered) Metals in Water by ICP/MS	Modified from SW846-6020
ICPMS Reg. Water (A13)	Mississauga	Determination of Metals in Water by ICP/MS	Modified from SW846-6020
pH of Water (A2.0)	Mississauga	Determination of Water pH by Ion Selective Electrode	Modified from APHA-4500H+ B
TP Water (A23.2)	Kirkland Lake	Determination of Total Phosphorus in Water.	Modified from EPA 365.3 and ESS 310.2,

This report has been approved by:

Marc Creighton  
Laboratory Director



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

### WORK ORDER RESULTS

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Chloride	69.3	0.2	25.7	0.2	17.3	0.2	54.0	0.2	mg/L
Nitrate (as N)	10.20	0.05	8.01	0.05	2.16	0.05	4.55	0.05	mg/L
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L
Sulphate	14.1	0.3	8.9	0.3	17.8	0.3	19.5	0.3	mg/L

Sample Description	OW6A		OW7A		OW7B		OW8A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645719		1645720		1645721		1645722		
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Chloride	15.9 [16.2]	0.2	9.8	0.2	1.6	0.2	31.6	0.2	mg/L
Nitrate (as N)	2.30 [2.33]	0.05	0.66	0.05	0.07	0.05	8.58	0.05	mg/L
Nitrite (as N)	<0.05 [<0.05]	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L
Sulphate	20.4 [20.6]	0.3	35.6	0.3	8.2	0.3	8.6	0.3	mg/L

Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Chloride	3.5	0.2	5.8	0.2	1.7	0.2	6.7	0.2	mg/L
Nitrate (as N)	2.53	0.05	0.38	0.05	0.80	0.05	0.79	0.05	mg/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L
Sulphate	5.2	0.3	26.7	0.3	1.7	0.3	10.2	0.3	mg/L

Sample Description	OW13B		OW14B		OW16B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645727		1645728		1645729		1645730		
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Chloride	8.6	0.2	2.0	0.2	6.2	0.2	7.7	0.2	mg/L
Nitrate (as N)	1.65	0.05	2.02	0.05	1.27	0.05	2.92	0.05	mg/L
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L
Sulphate	7.6	0.3	5.8	0.3	5.6	0.3	20.8	0.3	mg/L

Sample Description	OW18B		OW22B		OW23B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645731		1645732		1645733		
Anions	Result	MDL	Result	MDL	Result	MDL	Units
Chloride	5.2	0.2	16.4	0.2	15.8	0.2	mg/L
Nitrate (as N)	2.39	0.05	8.57	0.05	8.06	0.05	mg/L
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L
Sulphate	7.9	0.3	37.3	0.3	19.7	0.3	mg/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Bicarbonate (Calc.)	304	1	295	1	154	1	274	1	mg/L as CaCO3
Carbonate (Calc.)	3	1	3	1	2	1	2	1	mg/L as CaCO3
Conductivity	840	1	671	1	393	1	734	1	µS/cm
M-Alkalinity (pH 4.5)	307	2	298	2	156	2	276	2	mg/L as CaCO3
pH	7.98	N/A	7.96	N/A	8.01	N/A	7.93	N/A	pH
Total Phosphorus (as P)	0.027	0.002	0.008	0.002	0.025	0.002	0.058	0.002	mg/L

Sample Description	OW6A		OW7A		OW7B		OW8A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645719		1645720		1645721		1645722		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Bicarbonate (Calc.)	160	1	178	1	59	1	281	1	mg/L as CaCO3
Carbonate (Calc.)	2	1	2	1	<1	1	2	1	mg/L as CaCO3
Conductivity	388	1	432	1	146	1	686	1	µS/cm
M-Alkalinity (pH 4.5)	162	2	180	2	60	2	283	2	mg/L as CaCO3
pH	8.06	N/A	7.97	N/A	8.04	N/A	7.96	N/A	pH
Total Phosphorus (as P)	0.893	0.002	0.019	0.002	0.013	0.002	0.009	0.002	mg/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Bicarbonate (Calc.)	206	1	211	1	178	1	241	1	mg/L as CaCO3
Carbonate (Calc.)	2	1	2	1	2	1	2	1	mg/L as CaCO3
Conductivity	426	1	451	1	349	1	498	1	µS/cm
M-Alkalinity (pH 4.5)	208	2	213	2	180	2	243	2	mg/L as CaCO3
pH	8.06	N/A	8.05	N/A	8.1	N/A	7.99	N/A	pH
Total Phosphorus (as P)	0.010	0.002	0.978	0.002	0.145	0.002	0.016	0.002	mg/L

Sample Description	OW13B		OW14B		OW16B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645727		1645728		1645729		1645730		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Bicarbonate (Calc.)	269	1	411	1	195	1	216	1	mg/L as CaCO3
Carbonate (Calc.)	3	1	3	1	6	1	2	1	mg/L as CaCO3
Conductivity	559	1	762	1	884	1	493	1	µS/cm
M-Alkalinity (pH 4.5)	272	2	414	2	202	2	218	2	mg/L as CaCO3
pH	8	N/A	7.93	N/A	8.54	N/A	7.96	N/A	pH
Total Phosphorus (as P)	0.019	0.002	0.206	0.002	0.013	0.002	0.350	0.002	mg/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW18B		OW22B		OW23B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645731		1645732		1645733		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Units
Bicarbonate (Calc.)	214	1	248	1	237	1	mg/L as CaCO3
Carbonate (Calc.)	2	1	2	1	4	1	mg/L as CaCO3
Conductivity	433	1	648	1	599	1	µS/cm
M-Alkalinity (pH 4.5)	216	2	250	2	241	2	mg/L as CaCO3
pH	8.07	N/A	8.01	N/A	8.23	N/A	pH
Total Phosphorus (as P)	0.045	0.002	0.129 [0.118]	0.002	0.028	0.002	mg/L

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Calcium	121.0 [117.0]	0.5	89.6	0.5	52.4	0.5	77.3	0.5	mg/L
Magnesium	26.600 [26.000]	0.005	19.500	0.005	10.000	0.005	21.700	0.005	mg/L
Potassium	1.120 [1.090]	0.001	0.618	0.001	3.680	0.001	1.850	0.001	mg/L
Sodium	15.4 [15.0]	0.1	16.4	0.1	4.8	0.1	22.9	0.1	mg/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW6A		OW7A		OW7B		OW8A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645719		1645720		1645721		1645722		
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Calcium	60.9	0.5	52.8	0.5	5.83	0.05	70.7	0.5	mg/L
Magnesium	17.900	0.005	17.200	0.005	13.800	0.005	25.600	0.005	mg/L
Potassium	1.980	0.001	1.150	0.001	0.615	0.001	0.679	0.001	mg/L
Sodium	4.0	0.1	3.7	0.1	1.4	0.1	5.7	0.1	mg/L
Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Calcium	57.2	0.5	67.1	0.5	55.2	0.5	61.6	0.5	mg/L
Magnesium	10.900	0.005	28.100	0.005	5.170	0.005	16.300	0.005	mg/L
Potassium	0.472	0.001	1.210	0.001	0.452	0.001	0.853	0.001	mg/L
Sodium	1.1	0.1	6.5	0.1	1.4	0.1	3.0	0.1	mg/L
Sample Description	OW13B		OW14B		OW16B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645727		1645728		1645729		1645730		
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Calcium	68.6	0.5	96.3	0.5	58.0	0.5	115.0	0.5	mg/L
Magnesium	18.000	0.005	27.700	0.005	14.700	0.005	28.900	0.005	mg/L
Potassium	0.952	0.001	0.677	0.001	0.621	0.001	1.490	0.001	mg/L
Sodium	4.8	0.1	1.7	0.1	2.0	0.1	2.1	0.1	mg/L





**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW18B		OW22B		OW23B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645731		1645732		1645733		
Metals	Result	MDL	Result	MDL	Result	MDL	Units
Calcium	65.7	0.5	73.7	0.5	67.1	0.5	mg/L
Magnesium	15.800	0.005	27.500	0.005	24.800	0.005	mg/L
Potassium	0.843	0.001	0.680	0.001	0.956	0.001	mg/L
Sodium	1.6	0.1	2.7	0.1	2.8	0.1	mg/L

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Aluminum	103 [114]	2	<2	2	9	2	<2	2	ug/L
Dissolved Antimony	<0.5 [<0.5]	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Arsenic	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Barium	83 [84]	1	56	1	30	1	39	1	ug/L
Dissolved Beryllium	<0.5 [<0.5]	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Bismuth	2 [1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Boron	9 [8]	2	4	2	2	2	6	2	ug/L
Dissolved Cadmium	<0.1 [<0.1]	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Calcium	161000 [162000]	500	99000	500	61600	500	96000	500	ug/L
Dissolved Cerium	3 [3]	1	<1	1	<1	1	<1	1	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Cesium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Chromium	5 [5]	1	2	1	2	1	2	1	ug/L
Dissolved Cobalt	0.3 [0.3]	0.1	0.2	0.1	<0.1	0.1	0.2	0.1	ug/L
Dissolved Copper	3 [3]	1	<1	1	<1	1	1	1	ug/L
Dissolved Europium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Gallium	2 [3]	1	2	1	1	1	1	1	ug/L
Dissolved Iron	618 [623]	20	315	20	200	20	302	20	ug/L
Dissolved Lanthanum	1 [1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Lead	0.8 [0.8]	0.1	<0.1	0.1	<0.1	0.1	0.4	0.1	ug/L
Dissolved Lithium	<5 [<5]	5	<5	5	<5	5	<5	5	ug/L
Dissolved Magnesium	23800 [23300]	5	16800	5	8500	5	18400	5	ug/L
Dissolved Manganese	31 [33]	1	<1	1	<1	1	5	1	ug/L
Dissolved Mercury	<0.1 [<0.1]	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Molybdenum	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Nickel	6 [6]	1	4	1	2	1	4	1	ug/L
Dissolved Niobium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Phosphorus	86 [90]	50	<50	50	<50	50	<50	50	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Potassium	1370 [1330]	100	650	100	4100	100	1900	100	ug/L
Dissolved Rubidium	1 [1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Scandium	2 [2]	1	1	1	<1	1	1	1	ug/L
Dissolved Selenium	<0.5 [1.0]	0.5	<0.5	0.5	<0.5	0.5	0.5	0.5	ug/L
Dissolved Silicon	5300 [5200]	600	3600	600	2100	600	3600	600	ug/L
Dissolved Silver	<0.1 [<0.1]	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Sodium	17900 [17400]	100	15800	100	4700	100	24100	100	ug/L
Dissolved Strontium	252 [251]	1	149	1	89	1	143	1	ug/L
Dissolved Sulfur	3100 [2800]	800	1200	800	2800	800	2000	800	ug/L
Dissolved Tellurium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Thallium	<0.1 [<0.1]	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Thorium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Tin	6 [6]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Titanium	2 [2]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Tungsten	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Uranium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Vanadium	1 [1]	1	<1	1	<1	1	<1	1	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW3B		OW4B		OW5A		OW5B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645715		1645716		1645717		1645718		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Yttrium	1 [2]	1	<1	1	<1	1	<1	1	ug/L
Dissolved Zinc	5 [5]	1	<1	1	<1	1	22	1	ug/L
Dissolved Zirconium	<1 [<1]	1	<1	1	<1	1	<1	1	ug/L

Sample Description	OW6A		OW7A		OW7B		OW8A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645719		1645720		1645721		1645722		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Aluminum	74	2	<2	2	<2	2	<2	2	ug/L
Dissolved Antimony	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Arsenic	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Barium	60	1	54	1	2	1	92	1	ug/L
Dissolved Beryllium	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Bismuth	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Boron	10	2	11	2	7	2	3	2	ug/L
Dissolved Cadmium	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Calcium	73300	500	60900	500	2940	50	95000	500	ug/L
Dissolved Cerium	4	1	<1	1	<1	1	<1	1	ug/L
Dissolved Cesium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Chromium	2	1	2	1	<1	1	3	1	ug/L
Dissolved Cobalt	0.2	0.1	0.1	0.1	<0.1	0.1	0.1	0.1	ug/L
Dissolved Copper	12	1	<1	1	9	1	<1	1	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW6A		OW7A		OW7B		OW8A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645719		1645720		1645721		1645722		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Europium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Gallium	2	1	2	1	<1	1	3	1	ug/L
Dissolved Iron	383	20	200	20	<20	20	298	20	ug/L
Dissolved Lanthanum	2	1	<1	1	<1	1	<1	1	ug/L
Dissolved Lead	16.9	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Lithium	<5	5	<5	5	<5	5	<5	5	ug/L
Dissolved Magnesium	14100	5	15000	5	11500	5	23200	5	ug/L
Dissolved Manganese	42	1	5	1	23	1	<1	1	ug/L
Dissolved Mercury	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Molybdenum	<1	1	<1	1	4	1	<1	1	ug/L
Dissolved Nickel	3	1	2	1	<1	1	4	1	ug/L
Dissolved Niobium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Phosphorus	72	50	<50	50	<50	50	<50	50	ug/L
Dissolved Potassium	1940	100	1180	100	610	100	760	100	ug/L
Dissolved Rubidium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Scandium	<1	1	1	1	<1	1	2	1	ug/L
Dissolved Selenium	0.9	0.5	0.8	0.5	<0.5	0.5	0.5	0.5	ug/L
Dissolved Silicon	2000	600	3900	600	<600	600	5100	600	ug/L
Dissolved Silver	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Sodium	4250	100	3870	100	1370	100	5190	100	ug/L
Dissolved Strontium	153	1	127	1	7	1	161	1	ug/L
Dissolved Sulfur	2800	800	4900	800	<800	800	<800	800	ug/L
Dissolved Tellurium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Thallium	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW6A		OW7A		OW7B		OW8A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645719		1645720		1645721		1645722		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Thorium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Tin	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Titanium	1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Tungsten	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Uranium	<1	1	3	1	<1	1	<1	1	ug/L
Dissolved Vanadium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Yttrium	2	1	<1	1	<1	1	<1	1	ug/L
Dissolved Zinc	7	1	<1	1	<1	1	<1	1	ug/L
Dissolved Zirconium	<1	1	<1	1	<1	1	<1	1	ug/L
Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Aluminum	6	2	599	2	<2	2	<2	2	ug/L
Dissolved Antimony	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Arsenic	<1	1	4	1	<1	1	<1	1	ug/L
Dissolved Barium	36	1	132	10	3	1	29	1	ug/L
Dissolved Beryllium	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Bismuth	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Boron	<2	2	14	2	<2	2	3	2	ug/L
Dissolved Cadmium	<0.1	0.1	1.5	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Calcium	70400	500	226000	500	63700	500	72400	500	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Cerium	<1	1	34	1	<1	1	<1	1	ug/L
Dissolved Cesium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Chromium	2	1	5	1	2	1	2	1	ug/L
Dissolved Cobalt	0.1	0.1	2.7	0.1	0.1	0.1	0.1	0.1	ug/L
Dissolved Copper	<1	1	7	1	<1	1	<1	1	ug/L
Dissolved Europium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Gallium	1	1	4	1	<1	1	<1	1	ug/L
Dissolved Iron	224	20	2410	200	180	20	214	20	ug/L
Dissolved Lanthanum	<1	1	13	1	<1	1	<1	1	ug/L
Dissolved Lead	<0.1	0.1	37.8	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Lithium	<5	5	<5	5	<5	5	<5	5	ug/L
Dissolved Magnesium	9550	5	34500	5	3730	5	13000	5	ug/L
Dissolved Manganese	3	1	483	10	<1	1	<1	1	ug/L
Dissolved Mercury	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Molybdenum	<1	1	1	1	<1	1	<1	1	ug/L
Dissolved Nickel	3	1	10	1	2	1	3	1	ug/L
Dissolved Niobium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Phosphorus	<50	50	583	50	<50	50	<50	50	ug/L
Dissolved Potassium	500	100	1010	100	360	100	800	100	ug/L
Dissolved Rubidium	1	1	3	1	<1	1	<1	1	ug/L
Dissolved Scandium	1	1	3	1	<1	1	1	1	ug/L
Dissolved Selenium	<0.5	0.5	0.6	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Silicon	3200	600	5100	600	2000	600	3100	600	ug/L
Dissolved Silver	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW9A		OW10A		OW12A		OW13A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645723		1645724		1645725		1645726		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Sodium	1230	100	6380	100	1280	100	2910	100	ug/L
Dissolved Strontium	107	1	384	1	108	1	101	1	ug/L
Dissolved Sulfur	<800	800	3400	800	<800	800	<800	800	ug/L
Dissolved Tellurium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Thallium	<0.1	0.1	0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Thorium	<1	1	2	1	<1	1	<1	1	ug/L
Dissolved Tin	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Titanium	<1	1	8	1	<1	1	<1	1	ug/L
Dissolved Tungsten	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Uranium	<1	1	2	1	<1	1	<1	1	ug/L
Dissolved Vanadium	<1	1	3	1	<1	1	<1	1	ug/L
Dissolved Yttrium	<1	1	13	1	<1	1	<1	1	ug/L
Dissolved Zinc	<1	1	219	1	<1	1	<1	1	ug/L
Dissolved Zirconium	<1	1	3	1	<1	1	<1	1	ug/L

Sample Description	OW13B		OW14B		OW16B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645727		1645728		1645729		1645730		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Aluminum	<2	2	166	2	<2	2	161	2	ug/L
Dissolved Antimony	<0.5	0.5	1.3	0.5	<0.5	0.5	0.8	0.5	ug/L
Dissolved Arsenic	<1	1	7	1	<1	1	<1	1	ug/L
Dissolved Barium	37	1	122	1	32	1	87	1	ug/L





**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW13B		OW14B		OW16B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645727		1645728		1645729		1645730		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Beryllium	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Bismuth	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Boron	3	2	5	2	2	2	3	2	ug/L
Dissolved Cadmium	<0.1	0.1	0.8	0.1	<0.1	0.1	0.3	0.1	ug/L
Dissolved Calcium	80300	500	197000	500	67100	500	114000	500	ug/L
Dissolved Cerium	<1	1	14	1	<1	1	13	1	ug/L
Dissolved Cesium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Chromium	2	1	10	1	3	1	4	1	ug/L
Dissolved Cobalt	0.1	0.1	4.3	0.1	0.1	0.1	1.0	0.1	ug/L
Dissolved Copper	<1	1	15	1	1	1	9	1	ug/L
Dissolved Europium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Gallium	1	1	4	1	1	1	3	1	ug/L
Dissolved Iron	236	20	1700	200	203	20	850	200	ug/L
Dissolved Lanthanum	<1	1	6	1	<1	1	6	1	ug/L
Dissolved Lead	<0.1	0.1	27.1	0.1	<0.1	0.1	6.2	0.1	ug/L
Dissolved Lithium	<5	5	<5	5	<5	5	<5	5	ug/L
Dissolved Magnesium	13700	5	67900	50	10800	5	18200	5	ug/L
Dissolved Manganese	<1	1	137	1	<1	1	106	1	ug/L
Dissolved Mercury	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Molybdenum	<1	1	1	1	<1	1	<1	1	ug/L
Dissolved Nickel	3	1	15	1	3	1	6	1	ug/L
Dissolved Niobium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Phosphorus	<50	50	92	50	<50	50	150	50	ug/L
Dissolved Potassium	870	100	590	100	550	100	960	100	ug/L



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW13B		OW14B		OW16B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645727		1645728		1645729		1645730		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Rubidium	<1	1	1	1	<1	1	2	1	ug/L
Dissolved Scandium	1	1	2	1	<1	1	1	1	ug/L
Dissolved Selenium	<0.5	0.5	0.6	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Silicon	3200	600	5400	600	2700	600	3000	600	ug/L
Dissolved Silver	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Sodium	4500	100	1550	100	1780	100	1950	100	ug/L
Dissolved Strontium	101	1	222	1	85	1	156	1	ug/L
Dissolved Sulfur	<800	800	<800	800	<800	800	1400	800	ug/L
Dissolved Tellurium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Thallium	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Thorium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Tin	<1	1	4	1	3	1	3	1	ug/L
Dissolved Titanium	<1	1	6	1	<1	1	7	1	ug/L
Dissolved Tungsten	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Uranium	<1	1	<1	1	<1	1	<1	1	ug/L
Dissolved Vanadium	<1	1	3	1	<1	1	2	1	ug/L
Dissolved Yttrium	<1	1	4	1	<1	1	4	1	ug/L
Dissolved Zinc	6	1	165	1	3	1	17	1	ug/L
Dissolved Zirconium	<1	1	<1	1	<1	1	1	1	ug/L



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW18B		OW22B		OW23B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645731		1645732		1645733		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Aluminum	9	2	32	2	<2	2	ug/L
Dissolved Antimony	1.2	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Arsenic	<1	1	<1	1	<1	1	ug/L
Dissolved Barium	34	1	82	1	27	1	ug/L
Dissolved Beryllium	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Bismuth	<1	1	<1	1	<1	1	ug/L
Dissolved Boron	3	2	3	2	4	2	ug/L
Dissolved Cadmium	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Calcium	66000	500	91400	500	74500	500	ug/L
Dissolved Cerium	<1	1	2	1	<1	1	ug/L
Dissolved Cesium	<1	1	<1	1	<1	1	ug/L
Dissolved Chromium	2	1	2	1	2	1	ug/L
Dissolved Cobalt	0.1	0.1	0.4	0.1	0.1	0.1	ug/L
Dissolved Copper	2	1	1	1	<1	1	ug/L
Dissolved Europium	<1	1	<1	1	<1	1	ug/L
Dissolved Gallium	1	1	3	1	<1	1	ug/L
Dissolved Iron	245	20	410	20	236	20	ug/L
Dissolved Lanthanum	<1	1	<1	1	<1	1	ug/L
Dissolved Lead	0.5	0.1	1.6	0.1	<0.1	0.1	ug/L
Dissolved Lithium	<5	5	<5	5	<5	5	ug/L
Dissolved Magnesium	10700	5	27100	5	20300	5	ug/L
Dissolved Manganese	7	1	35	1	<1	1	ug/L
Dissolved Mercury	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Molybdenum	<1	1	<1	1	<1	1	ug/L



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

Sample Description	OW18B		OW22B		OW23B		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645731		1645732		1645733		
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Units
Dissolved Nickel	3	1	4	1	<1	1	ug/L
Dissolved Niobium	<1	1	<1	1	<1	1	ug/L
Dissolved Phosphorus	<50	50	<50	50	<50	50	ug/L
Dissolved Potassium	820	100	580	100	930	100	ug/L
Dissolved Rubidium	<1	1	<1	1	<1	1	ug/L
Dissolved Scandium	<1	1	2	1	1	1	ug/L
Dissolved Selenium	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L
Dissolved Silicon	2400	600	4200	600	3600	600	ug/L
Dissolved Silver	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Sodium	1780	100	2330	100	2650	100	ug/L
Dissolved Strontium	89	1	145	1	100	1	ug/L
Dissolved Sulfur	<800	800	4500	800	2300	800	ug/L
Dissolved Tellurium	<1	1	<1	1	<1	1	ug/L
Dissolved Thallium	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L
Dissolved Thorium	<1	1	<1	1	<1	1	ug/L
Dissolved Tin	1	1	<1	1	<1	1	ug/L
Dissolved Titanium	<1	1	1	1	<1	1	ug/L
Dissolved Tungsten	<1	1	<1	1	<1	1	ug/L
Dissolved Uranium	<1	1	<1	1	<1	1	ug/L
Dissolved Vanadium	<1	1	<1	1	<1	1	ug/L
Dissolved Yttrium	<1	1	<1	1	<1	1	ug/L
Dissolved Zinc	9	1	9	1	11	1	ug/L
Dissolved Zirconium	<1	1	<1	1	<1	1	ug/L



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430910

### LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

[rr]: After a parameter name indicates a re-run of that parameter. If multiple re-runs exist they are suffixed by a number. Sample may not have been handled according to the recommended temperature, hold time and head space requirements of the method after the initial analysis.

MDL: Method detection limit or minimum reporting limit.

[ ]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

Quality Control: All associated Quality Control data is available on request.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.



## CERTIFICATE OF ANALYSIS

Client:	Tecia White	Work Order Number:	430913
Company:	Whitewater Hydrogeology Ltd.	PO #:	
Address:	80 Chamberlain Cres Collingwood, ON, L9Y 0C8	Regulation:	Information not provided
Phone:	(705) 888-7064	Project #:	Strada Shelburne Annual Groundwater
Email:	tecia@white-water.ca	DWS #:	
		Sampled By:	Tecia White
Date Order Received:	5/21/2021	Analysis Started:	5/27/2021
Arrival Temperature:	18.1 °C	Analysis Completed:	5/31/2021

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OW5A	1645708	Ground Water	None		5/21/2021	
OW6A	1645709	Ground Water	None		5/21/2021	
OW7A	1645710	Ground Water	None		5/21/2021	
OW10A	1645711	Ground Water	None		5/21/2021	
OW12A	1645712	Ground Water	None		5/21/2021	
OW14B	1645713	Ground Water	None		5/21/2021	
OW18A	1645714	Ground Water	None		5/21/2021	

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
BTEX/F1 Water (A127)	Mississauga	Determination of PHC BTEX/F1 in Water - Tier 1 CCME	Modified from CWS PHC Tier I CCME
Oil and Grease (A54)	Mississauga	Determination of Oil and Grease in Water	Modified from EPA 1664
PHC F2-F4 Water (A59)	Mississauga	Determination of PHC (F2-F4) in Water - Tier 1 CCME by GC/FID	Modified from CWS PHC Tier I CCME



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430913

This report has been approved by:

Marc Creighton  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430913

**WORK ORDER RESULTS**

Sample Description	OW5A		OW6A		OW7A		OW10A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645708		1645709		1645710		1645711		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
Oil and Grease, Total	1	1	2	1	<1	1	<1	1	mg/L

Sample Description	OW12A		OW14B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645712		1645713		1645714		
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Units
Oil and Grease, Total	2	1	2	1	<1	1	mg/L

Sample Description	OW5A		OW6A		OW7A		OW10A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645708		1645709		1645710		1645711		
Petroleum Hydrocarbons (Water)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
F1 (C6-C10) - Less BTEX (Calc.)	<20	20	<20	20	<20	20	<20	20	ug/L
F1 (C6-C10) Incl. BTEX	<20	20	<20	20	<20	20	<20	20	ug/L
F2 (C10-C16)	<100	100	<90	90	<100	100	110	100	ug/L
F3 (C16-C34)	<400	400	<300	300	<400	400	560	400	ug/L
F4 (C34-C50)	<100	100	<90	90	<100	100	<100	100	ug/L
Baseline @ C50	Yes	N/A	Yes	N/A	Yes	N/A	Yes	N/A	NA
Benzene	<0.2	0.2	<0.2	0.2	<0.2	0.2	<0.2	0.2	ug/L
Ethylbenzene	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
Toluene	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L





**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 430913

Sample Description	OW5A		OW6A		OW7A		OW10A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645708		1645709		1645710		1645711		
Petroleum Hydrocarbons (Water)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units
m+p-Xylene	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
o-Xylene	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
Total Xylenes (Calc.)	<0.4	0.4	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
1,4-dichlorobenzene-d4 (Surr.)	104	N/A	95	N/A	95.3	N/A	101	N/A	% Rec
o-Terphenyl (Surr.)	81.7	N/A	79	N/A	87.7	N/A	87.4	N/A	% Rec
undecane (Surr.)	102	N/A	104	N/A	102	N/A	101	N/A	% Rec

Sample Description	OW12A		OW14B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645712		1645713		1645714		
Petroleum Hydrocarbons (Water)	Result	MDL	Result	MDL	Result	MDL	Units
F1 (C6-C10) - Less BTEX (Calc.)	<20	20	<20	20	<20	20	ug/L
F1 (C6-C10) Incl. BTEX	<20	20	<20	20	<20	20	ug/L
F2 (C10-C16)	<100	100	100	100	<100	100	ug/L
F3 (C16-C34)	500	500	620	500	<500	500	ug/L
F4 (C34-C50)	<100	100	<100	100	<100	100	ug/L
Baseline @ C50	Yes	N/A	Yes	N/A	Yes	N/A	NA
Benzene	<0.2	0.2	<0.2	0.2	<0.2	0.2	ug/L
Ethylbenzene	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
Toluene	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
m+p-Xylene	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
o-Xylene	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L
Total Xylenes (Calc.)	<0.4	0.4	<0.4	0.4	<0.4	0.4	ug/L



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 430913

Sample Description	OW12A		OW14B		OW18A		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1645712		1645713		1645714		
Petroleum Hydrocarbons (Water)	Result	MDL	Result	MDL	Result	MDL	Units
1,4-dichlorobenzene-d4 (Surr.)	101	N/A	96.3	N/A	91.8	N/A	% Rec
o-Terphenyl (Surr.)	96.8	N/A	100	N/A	86.6	N/A	% Rec
undecane (Surr.)	102	N/A	99.4	N/A	100	N/A	% Rec

### LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

% Rec: Surrogate compounds are added to the sample in some cases and the recovery is reported as a % recovered.

Quality Control: All associated Quality Control data is available on request.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.



## CERTIFICATE OF ANALYSIS

Client:	Tecia White	Work Order Number:	431351
Company:	Whitewater Hydrogeology Ltd.	PO #:	
Address:	80 Chamberlain Cres Collingwood, ON, L9Y 0C8	Regulation:	Information not provided
Phone:	(705) 888-7064	Project #:	
Email:	tecia@white-water.ca	DWS #:	
		Sampled By:	
Date Order Received:	5/27/2021	Analysis Started:	5/28/2021
Arrival Temperature:	18.1 °C	Analysis Completed:	6/2/2021

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
North Pond	1647223	Surface Water	None		5/21/2021	
South Pond	1647224	Surface Water	None		5/21/2021	

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Alkalinity (A1.0)	Mississauga	Determination of Alkalinity by Titration	Modified from APHA-2320B
Anions Water (mg/L by IC) (A5)	Mississauga	Determination of Anions in Water by Ion Chromatography	Modified from SW846-9056A
BTEX/F1 Water (A127)	Mississauga	Determination of PHC BTEX/F1 in Water - Tier 1 CCME	Modified from CWS PHC Tier I CCME
Carbonate (A94)	Mississauga	Determination of Carbonate and Bi-Carbonate	Modified from APHA-2320
Conductivity of Water (A12)	Mississauga	Determination of Conductivity in Water at 25°C	Modified from SM 2510 B
ICPMS Dis. Water (A13)	Mississauga	Determination of Dissolved (Lab Filtered) Metals in Water by ICP/MS	Modified from SW846-6020
ICPMS Reg. Water (A13)	Mississauga	Determination of Metals in Water by ICP/MS	Modified from SW846-6020
Oil and Grease (A54)	Mississauga	Determination of Oil and Grease in Water	Modified from EPA 1664
pH of Water (A2.0)	Mississauga	Determination of Water pH by Ion Selective Electrode	Modified from APHA-4500H+ B
PHC F2-F4 Water (A59)	Mississauga	Determination of PHC (F2-F4) in Water - Tier 1 CCME by GC/FID	Modified from CWS PHC Tier I CCME



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

Method	Lab	Description	Reference
TP Water (A23.2)	Kirkland Lake	Determination of Total Phosphorus in Water.	Modified from EPA 365.3 and ESS 310.2,

This report has been approved by:

Marc Creighton  
Laboratory Director



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

### WORK ORDER RESULTS

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Anions	Result	MDL	Result	MDL	Units
Bromide	<0.1	0.1	<0.1	0.1	mg/L
Chloride	6.9	0.2	0.3	0.2	mg/L
Fluoride	<0.06	0.06	<0.06	0.06	mg/L
Nitrate (as N)	0.07	0.05	<0.05	0.05	mg/L
Nitrite (as N)	<0.05	0.05	<0.05	0.05	mg/L
Sulphate	4.0	0.3	<0.3	0.3	mg/L

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
General Chemistry	Result	MDL	Result	MDL	Units
Bicarbonate (Calc.)	203	1	121	1	mg/L as CaCO <sub>3</sub>
Carbonate (Calc.)	2	1	<1	1	mg/L as CaCO <sub>3</sub>
Conductivity	424	1	244	1	µS/cm
M-Alkalinity (pH 4.5)	205	2	122	2	mg/L as CaCO <sub>3</sub>
Oil and Grease, Total	2	1	1	1	mg/L
pH	8.01	N/A	7.86	N/A	pH
Total Phosphorus (as P)	0.029	0.002	0.021	0.002	mg/L



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Metals	Result	MDL	Result	MDL	Units
Calcium	70.0	0.5	42.2	0.5	mg/L
Magnesium	12.300	0.005	5.360	0.005	mg/L
Potassium	1.900	0.001	2.030	0.001	mg/L
Sodium	2.6	0.1	0.7	0.1	mg/L

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Metals (Dissolved)	Result	MDL	Result	MDL	Units
Dissolved Aluminum	19 [18]	2	<2	2	ug/L
Dissolved Antimony	<0.5 [<0.5]	0.5	<0.5	0.5	ug/L
Dissolved Arsenic	<1 [<1]	1	<1	1	ug/L
Dissolved Barium	33 [33]	1	9	1	ug/L
Dissolved Beryllium	<0.5 [<0.5]	0.5	<0.5	0.5	ug/L
Dissolved Bismuth	<1 [<1]	1	<1	1	ug/L
Dissolved Boron	8 [8]	2	9	2	ug/L
Dissolved Cadmium	<0.1 [<0.1]	0.1	<0.1	0.1	ug/L
Dissolved Calcium	68500 [65700]	500	38100	500	ug/L
Dissolved Cerium	<1 [<1]	1	<1	1	ug/L



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Metals (Dissolved)	Result	MDL	Result	MDL	Units
Dissolved Cesium	<1 [<1]	1	<1	1	ug/L
Dissolved Chromium	2 [2]	1	2	1	ug/L
Dissolved Cobalt	0.1 [0.1]	0.1	<0.1	0.1	ug/L
Dissolved Copper	<1 [1]	1	<1	1	ug/L
Dissolved Europium	<1 [<1]	1	<1	1	ug/L
Dissolved Gallium	<1 [<1]	1	<1	1	ug/L
Dissolved Iron	287 [307]	20	160	20	ug/L
Dissolved Lanthanum	<1 [<1]	1	<1	1	ug/L
Dissolved Lead	0.2 [0.2]	0.1	<0.1	0.1	ug/L
Dissolved Lithium	<5 [<5]	5	<5	5	ug/L
Dissolved Magnesium	11600 [11400]	5	4880	5	ug/L
Dissolved Manganese	8 [8]	1	<1	1	ug/L
Dissolved Mercury	<0.1 [<0.1]	0.1	<0.1	0.1	ug/L
Dissolved Molybdenum	<1 [<1]	1	<1	1	ug/L
Dissolved Nickel	3 [3]	1	2	1	ug/L
Dissolved Niobium	<1 [<1]	1	<1	1	ug/L
Dissolved Phosphorus	<50 [<50]	50	<50	50	ug/L



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Metals (Dissolved)	Result	MDL	Result	MDL	Units
Dissolved Potassium	1720 [1740]	100	1830	100	ug/L
Dissolved Rubidium	2 [2]	1	3	1	ug/L
Dissolved Scandium	<1 [<1]	1	<1	1	ug/L
Dissolved Selenium	0.7 [<0.5]	0.5	<0.5	0.5	ug/L
Dissolved Silicon	1700 [1900]	600	1100	600	ug/L
Dissolved Silver	<0.1 [<0.1]	0.1	<0.1	0.1	ug/L
Dissolved Sodium	2430 [2430]	100	610	100	ug/L
Dissolved Strontium	98 [98]	1	79	1	ug/L
Dissolved Sulfur	1600 [1600]	800	<800	800	ug/L
Dissolved Tellurium	<1 [<1]	1	<1	1	ug/L
Dissolved Thallium	<0.1 [<0.1]	0.1	<0.1	0.1	ug/L
Dissolved Thorium	<1 [<1]	1	<1	1	ug/L
Dissolved Tin	<1 [<1]	1	<1	1	ug/L
Dissolved Titanium	<1 [<1]	1	<1	1	ug/L
Dissolved Tungsten	<1 [<1]	1	<1	1	ug/L
Dissolved Uranium	<1 [<1]	1	<1	1	ug/L
Dissolved Vanadium	<1 [<1]	1	<1	1	ug/L





**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Metals (Dissolved)	Result	MDL	Result	MDL	Units
Dissolved Yttrium	<1 [<1]	1	<1	1	ug/L
Dissolved Zinc	2 [3]	1	<1	1	ug/L
Dissolved Zirconium	<1 [<1]	1	<1	1	ug/L

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Petroleum Hydrocarbons (Water)	Result	MDL	Result	MDL	Units
F1 (C6-C10) - Less BTEX (Calc.)	<20	20	<20	20	ug/L
F1 (C6-C10) Incl. BTEX	<20	20	<20	20	ug/L
F2 (C10-C16)	<100	100	<100	100	ug/L
F3 (C16-C34)	<500	500	<500	500	ug/L
F4 (C34-C50)	<100	100	<100	100	ug/L
Baseline @ C50	Yes	N/A	Yes	N/A	NA
Benzene	<0.2	0.2	<0.2	0.2	ug/L
Ethylbenzene	<0.4	0.4	<0.4	0.4	ug/L
Toluene	<0.4	0.4	<0.4	0.4	ug/L
m+p-Xylene	<0.4	0.4	<0.4	0.4	ug/L
o-Xylene	<0.4	0.4	<0.4	0.4	ug/L
Total Xylenes (Calc.)	<0.4	0.4	<0.4	0.4	ug/L
1,4-dichlorobenzene-d4 (Surr.)	112	N/A	95.8	N/A	% Rec
o-Terphenyl (Surr.)	94.3	N/A	93.7	N/A	% Rec



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 431351

Sample Description	North Pond		South Pond		
Sample Date	5/21/2021 12:00 AM		5/21/2021 12:00 AM		
Lab ID	1647223		1647224		
Petroleum Hydrocarbons (Water)	Result	MDL	Result	MDL	Units
undecane (Surr.)	98.1	N/A	99.8	N/A	% Rec

### LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

[rr]: After a parameter name indicates a re-run of that parameter. If multiple re-runs exist they are suffixed by a number. Sample may not have been handled according to the recommended temperature, hold time and head space requirements of the method after the initial analysis.

MDL: Method detection limit or minimum reporting limit.

[ ]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

% Rec: Surrogate compounds are added to the sample in some cases and the recovery is reported as a % recovered.

Quality Control: All associated Quality Control data is available on request.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.

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## CERTIFICATE OF ANALYSIS

Client:	Tecia White	Work Order Number:	447873
Company:	Whitewater Hydrogeology Ltd.	PO #:	
Address:	8537 36/37 Nottawasaga SR RR1 Collingwood, ON, L9Y 3Y9	Regulation:	None
Phone:	(705) 888-7064	Project #:	Strada Shedburne Semi-Annual Groundwater
Email:	tecia@white-water.ca	DWS #:	
		Sampled By:	Hudson Selles
Date Order Received:	11/8/2021	Analysis Started:	11/9/2021
Arrival Temperature:	9.8 °C	Analysis Completed:	11/15/2021

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OW5-A	1703949	Ground Water	None		11/4/2021	11:00 AM
OW5-B	1703950	Ground Water	None	SAMPLE CONTAINED RESULT EXCEEDENCES.	11/4/2021	11:00 AM
OW7-A	1703951	Ground Water	None		11/4/2021	11:00 AM
OW7-B	1703952	Ground Water	None		11/4/2021	11:00 AM
OW11-B	1703953	Ground Water	None	SAMPLE CONTAINED RESULT EXCEEDENCES.	11/4/2021	11:00 AM
OW6-A	1703954	Ground Water	None		11/4/2021	11:00 AM
OW10-A	1703955	Ground Water	None		11/4/2021	11:00 AM
OW12-A	1703956	Ground Water	None		11/4/2021	11:00 AM
OW9-A	1703957	Ground Water	None		11/4/2021	11:00 AM
OW8-A	1703958	Ground Water	None	SAMPLE CONTAINED RESULT EXCEEDENCES.	11/4/2021	11:00 AM
OW18-A	1703959	Ground Water	None		11/4/2021	11:00 AM
OW18-B	1703960	Ground Water	None		11/4/2021	11:00 AM
OW14-B	1703961	Ground Water	None		11/4/2021	11:00 AM
OW16-B	1703962	Ground Water	None		11/4/2021	11:00 AM
OW4-B	1703963	Ground Water	None	SAMPLE CONTAINED RESULT EXCEEDENCES.	11/4/2021	11:00 AM
OW13-A	1703964	Ground Water	None		11/4/2021	11:00 AM
OW13-B	1703965	Ground Water	None		11/4/2021	11:00 AM



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OW20-B	1703966	Ground Water	None		11/4/2021	11:00 AM
OW21-B	1703967	Ground Water	None		11/4/2021	11:00 AM
OW22-B	1703968	Ground Water	None		11/4/2021	11:00 AM
OW23-B	1703969	Ground Water	None		11/4/2021	11:00 AM
OW19-B	1703970	Ground Water	None		11/4/2021	11:00 AM

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Alkalinity (A1.0)	Mississauga	Determination of Alkalinity by Titration	Modified from APHA-2320B
Anions Water (mg/L by IC) (A5)	Mississauga	Determination of Anions in Water by Ion Chromatography	Modified from SW846-9056A
Carbonate (A94)	Mississauga	Determination of Carbonate and Bi-Carbonate	Modified from APHA-2320
Conductivity of Water (A12)	Mississauga	Determination of Conductivity in Water at 25°C	Modified from SM 2510 B
ICPMS Dis. Water (A13)	Mississauga	Determination of Dissolved (Lab Filtered) Metals in Water by ICP/MS	Modified from SW846-6020
ICPMS Reg. Water (A13)	Mississauga	Determination of Metals in Water by ICP/MS	Modified from SW846-6020
pH of Water (A2.0)	Mississauga	Determination of Water pH by Ion Selective Electrode	Modified from APHA-4500H+ B
TP Water (A23.2)	Kirkland Lake	Determination of Total Phosphorus in Water.	Modified from EPA 365.3 and ESS 310.2,

This report has been approved by:

Marc Creighton  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

**WORK ORDER RESULTS**

Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Chloride	39.1	0.2	49.7	0.2	15.9	0.2	1.5	0.2	mg/L	250
Nitrate (as N)	3.20	0.05	2.94	0.05	2.01	0.05	<0.05	0.05	mg/L	10
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L	1
Sulphate	15.0	0.3	12.5	0.3	19.0	0.3	<0.3	0.3	mg/L	500

Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Chloride	38.7	0.2	15.9	0.2	8.0	0.2	3.2	0.2	mg/L	250
Nitrate (as N)	0.50	0.05	1.90	0.05	0.99	0.05	2.96	0.05	mg/L	10
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L	1
Sulphate	<0.3	0.3	18.0	0.3	19.4	0.3	2.7	0.3	mg/L	500

Sample Description	OW9 - A		OW8 - A		OW18 - A		OW18 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703957		1703958		1703959		1703960			
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Chloride	15.0	0.2	41.0	0.2	19.4	0.2	5.7	0.2	mg/L	250
Nitrate (as N)	8.78	0.05	13.10	0.05	0.61	0.05	1.84	0.05	mg/L	10
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L	1
Sulphate	8.5	0.3	9.5	0.3	6.2	0.3	6.2	0.3	mg/L	500



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW14 - B		OW16 - B		OW4 - B		OW13 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703961		1703962		1703963		1703964			
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Chloride	1.8	0.2	4.3	0.2	32.1	0.2	6.4 [6.2]	0.2	mg/L	250
Nitrate (as N)	2.08	0.05	1.09	0.05	7.80	0.05	0.74 [0.72]	0.05	mg/L	10
Nitrite (as N)	<0.05	0.05	<0.05	0.05	0.10	0.05	<0.05 [<0.05]	0.05	mg/L	1
Sulphate	5.8	0.3	9.0	0.3	9.3	0.3	8.7 [8.6]	0.3	mg/L	500

Sample Description	OW13 - B		OW20 - B		OW21 - B		OW22 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703965		1703966		1703967		1703968			
Anions	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Chloride	8.2	0.2	2.7	0.2	1.5	0.2	15.8	0.2	mg/L	250
Nitrate (as N)	1.55	0.05	3.22	0.05	0.68	0.05	7.94	0.05	mg/L	10
Nitrite (as N)	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L	1
Sulphate	7.3	0.3	5.1	0.3	10.1	0.3	38.4	0.3	mg/L	500

Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
Anions	Result	MDL	Result	MDL	Units	Criteria: ODWS
Chloride	15.0	0.2	15.3	0.2	mg/L	250
Nitrate (as N)	7.56	0.05	7.46	0.05	mg/L	10
Nitrite (as N)	<0.05	0.05	<0.05	0.05	mg/L	1



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Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
Anions	Result	MDL	Result	MDL	Units	Criteria: ODWS
Sulphate	17.8	0.3	16.5	0.3	mg/L	500

Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Bicarbonate (Calc.)	281	1	282	1	192	1	60	1	mg/L as CaCO3	~
Carbonate (Calc.)	2	1	2	1	2	1	6	1	mg/L as CaCO3	~
Conductivity	644	1	643	1	429	1	118	1	µS/cm	~
M-Alkalinity (pH 4.5)	283	2	284	2	194	2	67	2	mg/L as CaCO3	~
pH	7.92	N/A	7.92	N/A	7.98	N/A	9.03	N/A	pH	~
Total Phosphorus (as P)	0.162 [0.184]	0.002	0.012	0.002	0.783	0.002	0.017	0.002	mg/L	~

Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Bicarbonate (Calc.)	62	1	197	1	192	1	180	1	mg/L as CaCO3	~
Carbonate (Calc.)	<1	1	2	1	1	1	2	1	mg/L as CaCO3	~
Conductivity	234	1	419	1	407	1	370	1	µS/cm	~



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Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
M-Alkalinity (pH 4.5)	63	2	199	2	193	2	182	2	mg/L as CaCO3	~
pH	8.18	N/A	7.93	N/A	7.85	N/A	7.95	N/A	pH	~
Total Phosphorus (as P)	0.040	0.002	0.007	0.002	0.010	0.002	0.006	0.002	mg/L	~
Sample Description	OW9 - A		OW8 - A		OW18 - A		OW18 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703957		1703958		1703959		1703960			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Bicarbonate (Calc.)	299	1	276	1	346	1	227	1	mg/L as CaCO3	~
Carbonate (Calc.)	2	1	2	1	3	1	2	1	mg/L as CaCO3	~
Conductivity	650	1	696	1	660	1	447	1	µS/cm	~
M-Alkalinity (pH 4.5)	301	2	278	2	349	2	229	2	mg/L as CaCO3	~
pH	7.92	N/A	7.92	N/A	7.95	N/A	7.94	N/A	pH	~
Total Phosphorus (as P)	0.009	0.002	0.496	0.002	0.124	0.002	5.53	0.04	mg/L	~
Sample Description	OW14 - B		OW16 - B		OW4 - B		OW13 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703961		1703962		1703963		1703964			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Bicarbonate (Calc.)	321	1	178	1	304	1	234	1	mg/L as CaCO3	~
Carbonate (Calc.)	3	1	2	1	3	1	3	1	mg/L as CaCO3	~





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<b>Sample Description</b>	<b>OW14 - B</b>		<b>OW16 - B</b>		<b>OW4 - B</b>		<b>OW13 - A</b>	
<b>Sample Date</b>	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM	
<b>Lab ID</b>	1703961		1703962		1703963		1703964	

General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Conductivity	593	1	374	1	743	1	486	1	µS/cm	~
M-Alkalinity (pH 4.5)	324	2	180	2	307	2	237	2	mg/L as CaCO3	~
pH	7.94	N/A	8.02	N/A	7.95	N/A	8.08	N/A	pH	~
Total Phosphorus (as P)	0.100	0.002	0.041	0.002	0.552	0.002	0.100	0.002	mg/L	~

<b>Sample Description</b>	<b>OW13 - B</b>		<b>OW20 - B</b>		<b>OW21 - B</b>		<b>OW22 - B</b>	
<b>Sample Date</b>	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM	
<b>Lab ID</b>	1703965		1703966		1703967		1703968	

General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Bicarbonate (Calc.)	264	1	232	1	252	1	224	1	mg/L as CaCO3	~
Carbonate (Calc.)	3	1	2	1	2	1	3	1	mg/L as CaCO3	~
Conductivity	551	1	477	1	497	1	609	1	µS/cm	~
M-Alkalinity (pH 4.5)	267	2	234	2	254	2	227	2	mg/L as CaCO3	~
pH	8.02	N/A	8.04	N/A	8.01	N/A	8.19	N/A	pH	~
Total Phosphorus (as P)	0.046	0.002	0.616	0.002	0.036	0.002	0.027	0.002	mg/L	~

<b>Sample Description</b>	<b>OW23 - B</b>		<b>OW19 - B</b>	
<b>Sample Date</b>	11/4/2021 11:00 AM		11/4/2021 11:00 AM	
<b>Lab ID</b>	1703969		1703970	

General Chemistry	Result	MDL	Result	MDL	Units	Criteria: ODWS
Bicarbonate (Calc.)	206	1	320	1	mg/L as CaCO3	~



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Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
General Chemistry	Result	MDL	Result	MDL	Units	Criteria: ODWS
Carbonate (Calc.)	2	1	3	1	mg/L as CaCO3	~
Conductivity	523	1	715	1	µS/cm	~
M-Alkalinity (pH 4.5)	208	2	323	2	mg/L as CaCO3	~
pH	8.09	N/A	7.95	N/A	pH	~
Total Phosphorus (as P)	0.079 [0.077]	0.002	0.079	0.002	mg/L	~

Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Calcium	79.4	0.5	76.6	0.5	52.5	0.5	3.80 [3.77]	0.05	mg/L	~
Magnesium	18.400	0.005	22.000	0.005	16.000	0.005	14.100 [14.300]	0.005	mg/L	~
Potassium	4.790	0.001	3.330	0.001	1.320	0.001	0.895 [0.893]	0.001	mg/L	~
Sodium	19.9	0.1	26.7	0.1	4.3	0.1	1.8 [1.8]	0.1	mg/L	20

Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Calcium	6.33	0.05	59.4	0.5	50.7	0.5	54.6	0.5	mg/L	~



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Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Magnesium	12.100	0.005	16.000	0.005	19.300	0.005	5.470	0.005	mg/L	~
Potassium	2.660	0.001	2.320	0.001	1.250	0.001	0.597	0.001	mg/L	~
Sodium	22.5	0.1	5.0	0.1	5.8	0.1	1.9	0.1	mg/L	20
Sample Description	OW9 - A		OW8 - A		OW18 - A		OW18 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703957		1703958		1703959		1703960			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Calcium	119.0	0.5	89.5	0.5	96.1	0.5	178.0	0.5	mg/L	~
Magnesium	19.400	0.005	29.800	0.005	29.300	0.005	48.000	0.005	mg/L	~
Potassium	0.930	0.001	1.030	0.001	4.710	0.001	1.810	0.001	mg/L	~
Sodium	2.2	0.1	6.7	0.1	3.7	0.1	2.6	0.1	mg/L	20
Sample Description	OW14 - B		OW16 - B		OW4 - B		OW13 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703961		1703962		1703963		1703964			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Calcium	107.0	0.5	50.1	0.5	115.0	0.5	60.5	0.5	mg/L	~
Magnesium	31.300	0.005	14.600	0.005	20.600	0.005	18.100	0.005	mg/L	~
Potassium	0.781	0.001	1.150	0.001	0.772	0.001	1.090	0.001	mg/L	~
Sodium	2.1	0.1	3.6	0.1	21.1	0.1	4.1	0.1	mg/L	20



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Sample Description	OW13 - B		OW20 - B		OW21 - B		OW22 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703965		1703966		1703967		1703968			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Calcium	69.7	0.5	53.5	0.5	66.8	0.5	71.2	0.5	mg/L	~
Magnesium	19.900	0.005	22.300	0.005	27.900	0.005	30.100	0.005	mg/L	~
Potassium	1.230	0.001	0.935	0.001	0.763	0.001	0.804	0.001	mg/L	~
Sodium	6.5	0.1	2.6	0.1	2.3	0.1	3.4	0.1	mg/L	20

Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
Metals	Result	MDL	Result	MDL	Units	Criteria: ODWS
Calcium	50.5	0.5	81.0	0.5	mg/L	~
Magnesium	26.600	0.005	27.400	0.005	mg/L	~
Potassium	1.470	0.001	5.710	0.001	mg/L	~
Sodium	3.5	0.1	3.9	0.1	mg/L	20

Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Aluminum	5.24	0.02	<0.002	0.002	2.05	0.02	0.011 [0.009]	0.002	mg/L	~
Dissolved Antimony	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005 [<0.0005]	0.0005	mg/L	~
Dissolved Arsenic	0.002	0.001	<0.001	0.001	0.003	0.001	<0.001 [<0.001]	0.001	mg/L	~



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Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Barium	0.076	0.001	0.034	0.001	0.098	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Beryllium	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005 [<0.0005]	0.0005	mg/L	~
Dissolved Bismuth	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Boron	0.010	0.002	0.008	0.002	0.010	0.002	0.010 [0.009]	0.002	mg/L	~
Dissolved Cadmium	0.0004	0.0001	<0.0001	0.0001	0.0003	0.0001	<0.0001 [<0.0001]	0.0001	mg/L	~
Dissolved Calcium	102.0	0.5	72.3	0.5	155.0	0.5	4.77 [4.64]	0.05	mg/L	~
Dissolved Cerium	0.020	0.001	<0.001	0.001	0.027	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Cesium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Chromium	0.005	0.001	0.002	0.001	0.006	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Cobalt	0.0034	0.0001	0.0002	0.0001	0.0059	0.0001	<0.0001 [<0.0001]	0.0001	mg/L	~
Dissolved Copper	0.018	0.001	<0.001	0.001	0.024	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Europium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Gallium	0.003	0.001	<0.001	0.001	0.003	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Iron	5.3	0.2	2.0	0.2	11	2	1.6 [1.9]	0.2	mg/L	~
Dissolved Lanthanum	0.007	0.001	<0.001	0.001	0.011	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Lead	0.0164	0.0001	<0.0001	0.0001	0.0138	0.0001	0.0001 [0.0001]	0.0001	mg/L	~
Dissolved Lithium	0.011	0.005	<0.005	0.005	<0.005	0.005	<0.005 [<0.005]	0.005	mg/L	~



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Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Magnesium	25.600	0.005	20.100	0.005	26.800	0.005	13.900 [13.200]	0.005	mg/L	~
Dissolved Manganese	0.47	0.01	0.076	0.001	0.71	0.01	0.071 [0.070]	0.001	mg/L	~
Dissolved Mercury	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001 [<0.0001]	0.0001	mg/L	~
Dissolved Molybdenum	<0.001	0.001	<0.001	0.001	<0.001	0.001	0.004 [0.004]	0.001	mg/L	~
Dissolved Nickel	0.006	0.001	0.002	0.001	0.011	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Niobium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Phosphorus	0.30	0.05	<0.05	0.05	0.40	0.05	<0.05 [<0.05]	0.05	mg/L	~
Dissolved Potassium	7.2	0.1	2.6	0.1	1.8	0.1	0.9 [0.9]	0.1	mg/L	~
Dissolved Rubidium	0.005	0.001	<0.001	0.001	0.004	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Scandium	0.004	0.001	0.001	0.001	0.004	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Selenium	<0.0005	0.0005	<0.0005	0.0005	0.0011	0.0005	<0.0005 [<0.0005]	0.0005	mg/L	~
Dissolved Silicon	8.0	0.6	3.3	0.6	5.6	0.6	<0.6 [<0.6]	0.6	mg/L	~
Dissolved Silver	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001 [<0.0001]	0.0001	mg/L	~
Dissolved Sodium	21.9	0.1	24.3	0.1	4.8	0.1	1.7 [1.7]	0.1	mg/L	~
Dissolved Strontium	0.215	0.001	0.138	0.001	0.226	0.001	0.007 [0.007]	0.001	mg/L	~
Dissolved Sulfur	6.8	0.8	5.8	0.8	7.4	0.8	1.2 [1.1]	0.8	mg/L	~
Dissolved Tellurium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~



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Sample Description	OW5 - A		OW5 - B		OW7 - A		OW7 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703949		1703950		1703951		1703952			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Thallium	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001 [<0.0001]	0.0001	mg/L	~
Dissolved Thorium	<0.001	0.001	<0.001	0.001	0.002	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Tin	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Titanium	0.055	0.001	0.002	0.001	0.061	0.001	0.001 [0.001]	0.001	mg/L	~
Dissolved Tungsten	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Uranium	<0.001	0.001	<0.001	0.001	0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Vanadium	0.004	0.001	<0.001	0.001	0.006	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Yttrium	0.009	0.001	<0.001	0.001	0.011	0.001	<0.001 [<0.001]	0.001	mg/L	~
Dissolved Zinc	0.048	0.001	0.011	0.001	0.023	0.001	0.002 [0.001]	0.001	mg/L	~
Dissolved Zirconium	0.004	0.001	<0.001	0.001	0.001	0.001	<0.001 [<0.001]	0.001	mg/L	~
Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Aluminum	0.064	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	mg/L	~
Dissolved Antimony	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Arsenic	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Barium	0.006	0.001	0.048	0.001	0.046	0.001	0.003	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Beryllium	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Bismuth	<0.001	0.001	0.003	0.001	0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Boron	0.012	0.002	0.013	0.002	0.012	0.002	0.007	0.002	mg/L	~
Dissolved Cadmium	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Calcium	7.20	0.05	54.4	0.5	47.6	0.5	54.4	0.5	mg/L	~
Dissolved Cerium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Cesium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Chromium	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	mg/L	~
Dissolved Cobalt	0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	0.0001	0.0001	mg/L	~
Dissolved Copper	0.004	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Europium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Gallium	<0.001	0.001	0.002	0.001	0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Iron	1.5	0.2	0.24	0.02	0.20	0.02	0.25	0.02	mg/L	~
Dissolved Lanthanum	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Lead	0.0006	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Lithium	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	mg/L	~
Dissolved Magnesium	11.900	0.005	15.000	0.005	16.800	0.005	5.810	0.005	mg/L	~
Dissolved Manganese	0.088	0.001	0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Mercury	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Molybdenum	0.002	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Nickel	0.002	0.001	0.002	0.001	0.002	0.001	0.002	0.001	mg/L	~
Dissolved Niobium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Phosphorus	<0.05	0.05	<0.05	0.05	<0.05	0.05	<0.05	0.05	mg/L	~
Dissolved Potassium	2.8	0.1	2.3	0.1	1.1	0.1	1.2	0.1	mg/L	~





**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW11 - B		OW6 - A		OW10 - A		OW12 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703953		1703954		1703955		1703956			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Rubidium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Scandium	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	mg/L	~
Dissolved Selenium	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Silicon	<0.6	0.6	2.1	0.6	3.9	0.6	2.8	0.6	mg/L	~
Dissolved Silver	<0.0001	0.0001	0.0002	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Sodium	21.9	0.1	4.9	0.1	5.2	0.1	1.1	0.1	mg/L	~
Dissolved Strontium	0.011	0.001	0.144	0.001	0.138	0.001	0.154	0.001	mg/L	~
Dissolved Sulfur	1.4	0.8	12.4	0.8	6.6	0.8	1.9	0.8	mg/L	~
Dissolved Tellurium	<0.001	0.001	0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Thallium	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Thorium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Tin	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Titanium	0.002	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Tungsten	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Uranium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Vanadium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Yttrium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Zinc	0.012	0.001	0.001	0.001	0.022	0.001	<0.001	0.001	mg/L	~
Dissolved Zirconium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW9 - A		OW8 - A		OW18 - A		OW18 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703957		1703958		1703959		1703960			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Aluminum	<0.002	0.002	15.6	0.2	0.344	0.002	24.7	0.2	mg/L	~
Dissolved Antimony	<0.0005	0.0005	<0.0005	0.0005	0.0007	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Arsenic	<0.001	0.001	0.005	0.001	<0.001	0.001	0.008	0.001	mg/L	~
Dissolved Barium	0.056	0.001	0.31	0.01	0.14	0.01	0.29	0.01	mg/L	~
Dissolved Beryllium	<0.0005	0.0005	0.0010	0.0005	<0.0005	0.0005	0.0031	0.0005	mg/L	~
Dissolved Bismuth	<0.001	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	mg/L	~
Dissolved Boron	0.006	0.002	0.021	0.002	0.015	0.002	0.025	0.002	mg/L	~
Dissolved Cadmium	<0.0001	0.0001	0.0014	0.0001	0.0001	0.0001	0.0035	0.0001	mg/L	~
Dissolved Calcium	88.1	0.5	1340	5	140.0	0.5	1040	5	mg/L	~
Dissolved Cerium	<0.001	0.001	0.14	0.01	0.004	0.001	0.27	0.01	mg/L	~
Dissolved Cesium	<0.001	0.001	<0.001	0.001	<0.001	0.001	0.001	0.001	mg/L	~
Dissolved Chromium	0.002	0.001	0.036	0.001	0.004	0.001	0.040	0.001	mg/L	~
Dissolved Cobalt	0.0002	0.0001	0.0155	0.0001	0.0010	0.0001	0.0259	0.0001	mg/L	~
Dissolved Copper	<0.001	0.001	0.051	0.001	0.006	0.001	0.067	0.001	mg/L	~
Dissolved Europium	<0.001	0.001	0.003	0.001	<0.001	0.001	0.004	0.001	mg/L	~
Dissolved Gallium	0.002	0.001	0.010	0.001	0.004	0.001	0.011	0.001	mg/L	~
Dissolved Iron	0.39	0.02	47	2	1.2	0.2	51	2	mg/L	~
Dissolved Lanthanum	<0.001	0.001	0.064	0.001	0.002	0.001	0.125	0.001	mg/L	~
Dissolved Lead	<0.0001	0.0001	0.0299	0.0001	0.0030	0.0001	0.1100	0.0001	mg/L	~
Dissolved Lithium	<0.005	0.005	0.015	0.005	<0.005	0.005	0.022	0.005	mg/L	~
Dissolved Magnesium	17.900	0.005	217.00	0.05	31.400	0.005	317.00	0.05	mg/L	~
Dissolved Manganese	0.028	0.001	4.0	0.1	0.135	0.001	3.7	0.1	mg/L	~
Dissolved Mercury	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Molybdenum	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW9 - A		OW8 - A		OW18 - A		OW18 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703957		1703958		1703959		1703960			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Nickel	0.003	0.001	0.055	0.001	0.006	0.001	0.066	0.001	mg/L	~
Dissolved Niobium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Phosphorus	<0.05	0.05	3.8	0.5	0.09	0.05	3.28	0.05	mg/L	~
Dissolved Potassium	0.9	0.1	2.8	0.1	5.7	0.1	6.3	0.1	mg/L	~
Dissolved Rubidium	0.002	0.001	0.011	0.001	0.003	0.001	0.023	0.001	mg/L	~
Dissolved Scandium	0.002	0.001	0.027	0.001	0.002	0.001	0.021	0.001	mg/L	~
Dissolved Selenium	<0.0005	0.0005	0.0005	0.0005	<0.0005	0.0005	0.0015	0.0005	mg/L	~
Dissolved Silicon	4.4	0.6	18	6	5.5	0.6	20	6	mg/L	~
Dissolved Silver	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Sodium	2.1	0.1	7.7	0.1	4.9	0.1	4.0	0.1	mg/L	~
Dissolved Strontium	0.176	0.001	1.63	0.01	0.233	0.001	1.030	0.001	mg/L	~
Dissolved Sulfur	3.9	0.8	7.4	0.8	3.5	0.8	6.8	0.8	mg/L	~
Dissolved Tellurium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Thallium	<0.0001	0.0001	0.0001	0.0001	<0.0001	0.0001	0.0003	0.0001	mg/L	~
Dissolved Thorium	<0.001	0.001	0.013	0.001	<0.001	0.001	0.047	0.001	mg/L	~
Dissolved Tin	<0.001	0.001	<0.001	0.001	0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Titanium	0.001	0.001	0.149	0.001	0.012	0.001	0.238	0.001	mg/L	~
Dissolved Tungsten	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Uranium	<0.001	0.001	0.002	0.001	<0.001	0.001	0.012	0.001	mg/L	~
Dissolved Vanadium	<0.001	0.001	0.034	0.001	0.001	0.001	0.034	0.001	mg/L	~
Dissolved Yttrium	<0.001	0.001	0.070	0.001	0.001	0.001	0.083	0.001	mg/L	~
Dissolved Zinc	0.001	0.001	0.056	0.001	0.038	0.001	1.05	0.01	mg/L	~
Dissolved Zirconium	<0.001	0.001	0.007	0.001	0.002	0.001	0.012	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW14 - B		OW16 - B		OW4 - B		OW13 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703961		1703962		1703963		1703964			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Aluminum	0.63	0.02	0.310	0.002	3.59	0.02	0.258	0.002	mg/L	~
Dissolved Antimony	0.0012	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Arsenic	0.004	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Barium	0.107	0.001	0.043	0.001	0.072	0.001	0.033	0.001	mg/L	~
Dissolved Beryllium	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Bismuth	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Boron	0.009	0.002	0.009	0.002	0.008	0.002	0.008	0.002	mg/L	~
Dissolved Cadmium	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	mg/L	~
Dissolved Calcium	191.0	0.5	48.5	0.5	97.0	0.5	62.2	0.5	mg/L	~
Dissolved Cerium	0.010	0.001	0.002	0.001	0.003	0.001	0.003	0.001	mg/L	~
Dissolved Cesium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Chromium	0.008	0.001	0.003	0.001	0.003	0.001	0.003	0.001	mg/L	~
Dissolved Cobalt	0.0027	0.0001	0.0005	0.0001	0.0005	0.0001	0.0006	0.0001	mg/L	~
Dissolved Copper	0.010	0.001	0.007	0.001	0.007	0.001	0.002	0.001	mg/L	~
Dissolved Europium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Gallium	0.003	0.001	0.001	0.001	0.004	0.001	0.001	0.001	mg/L	~
Dissolved Iron	5.1	0.2	0.7	0.2	5.8	0.2	0.8	0.2	mg/L	~
Dissolved Lanthanum	0.004	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	mg/L	~
Dissolved Lead	0.0140	0.0001	0.0014	0.0001	0.0033	0.0001	0.0028	0.0001	mg/L	~
Dissolved Lithium	<0.005	0.005	<0.005	0.005	0.015	0.005	<0.005	0.005	mg/L	~
Dissolved Magnesium	86.70	0.05	16.700	0.005	28.600	0.005	22.400	0.005	mg/L	~
Dissolved Manganese	0.230	0.001	0.042	0.001	0.213	0.001	0.046	0.001	mg/L	~
Dissolved Mercury	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Molybdenum	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW14 - B		OW16 - B		OW4 - B		OW13 - A			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703961		1703962		1703963		1703964			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Nickel	0.011	0.001	0.004	0.001	0.004	0.001	0.003	0.001	mg/L	~
Dissolved Niobium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Phosphorus	0.13	0.05	0.06	0.05	0.37	0.05	0.07	0.05	mg/L	~
Dissolved Potassium	1.2	0.1	1.4	0.1	2.2	0.1	1.5	0.1	mg/L	~
Dissolved Rubidium	0.002	0.001	0.001	0.001	0.003	0.001	0.001	0.001	mg/L	~
Dissolved Scandium	0.003	0.001	0.002	0.001	0.004	0.001	0.002	0.001	mg/L	~
Dissolved Selenium	0.0015	0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Silicon	7.0	0.6	4.2	0.6	8.9	0.6	4.5	0.6	mg/L	~
Dissolved Silver	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Sodium	2.5	0.1	3.9	0.1	22.0	0.1	4.5	0.1	mg/L	~
Dissolved Strontium	0.240	0.001	0.111	0.001	0.177	0.001	0.120	0.001	mg/L	~
Dissolved Sulfur	4.9	0.8	5.8	0.8	6.0	0.8	5.8	0.8	mg/L	~
Dissolved Tellurium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Thallium	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Thorium	0.002	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Tin	0.001	0.001	0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Titanium	0.017	0.001	0.007	0.001	0.037	0.001	0.010	0.001	mg/L	~
Dissolved Tungsten	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Uranium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Vanadium	0.003	0.001	<0.001	0.001	0.002	0.001	0.001	0.001	mg/L	~
Dissolved Yttrium	0.004	0.001	<0.001	0.001	0.002	0.001	0.001	0.001	mg/L	~
Dissolved Zinc	0.176	0.001	0.059	0.001	0.053	0.001	0.013	0.001	mg/L	~
Dissolved Zirconium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW13 - B		OW20 - B		OW21 - B		OW22 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703965		1703966		1703967		1703968			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Aluminum	0.376	0.002	3.33	0.02	0.050	0.002	0.223	0.002	mg/L	~
Dissolved Antimony	<0.0005	0.0005	0.0006	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Arsenic	<0.001	0.001	0.002	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Barium	0.041	0.001	0.15	0.01	0.059	0.001	0.075	0.001	mg/L	~
Dissolved Beryllium	<0.0005	0.0005	0.0007	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Bismuth	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Boron	0.009	0.002	0.008	0.002	0.006	0.002	0.007	0.002	mg/L	~
Dissolved Cadmium	0.0002	0.0001	0.0008	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Calcium	79.4	0.5	152.0	0.5	55.9	0.5	65.0	0.5	mg/L	~
Dissolved Cerium	0.003	0.001	0.040	0.001	<0.001	0.001	0.001	0.001	mg/L	~
Dissolved Cesium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Chromium	0.003	0.001	0.008	0.001	0.003	0.001	0.002	0.001	mg/L	~
Dissolved Cobalt	0.0006	0.0001	0.0038	0.0001	0.0002	0.0001	0.0005	0.0001	mg/L	~
Dissolved Copper	0.004	0.001	0.015	0.001	<0.001	0.001	0.002	0.001	mg/L	~
Dissolved Europium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Gallium	0.001	0.001	0.005	0.001	0.002	0.001	0.002	0.001	mg/L	~
Dissolved Iron	1.1	0.2	11	2	0.36	0.02	0.62	0.02	mg/L	~
Dissolved Lanthanum	0.001	0.001	0.017	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Lead	0.0025	0.0001	0.0230	0.0001	0.0008	0.0001	0.0013	0.0001	mg/L	~
Dissolved Lithium	<0.005	0.005	0.007	0.005	<0.005	0.005	<0.005	0.005	mg/L	~
Dissolved Magnesium	30.200	0.005	50.100	0.005	23.900	0.005	33.200	0.005	mg/L	~
Dissolved Manganese	0.059	0.001	0.37	0.01	0.007	0.001	0.040	0.001	mg/L	~
Dissolved Mercury	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Molybdenum	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW13 - B		OW20 - B		OW21 - B		OW22 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703965		1703966		1703967		1703968			
Metals (Dissolved)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Nickel	0.005	0.001	0.011	0.001	0.003	0.001	0.003	0.001	mg/L	~
Dissolved Niobium	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Phosphorus	0.08	0.05	0.40	0.05	<0.05	0.05	0.05	0.05	mg/L	~
Dissolved Potassium	1.8	0.1	1.7	0.1	0.8	0.1	1.1	0.1	mg/L	~
Dissolved Rubidium	0.001	0.001	0.007	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Scandium	0.002	0.001	0.005	0.001	0.002	0.001	0.003	0.001	mg/L	~
Dissolved Selenium	<0.0005	0.0005	0.0012	0.0005	<0.0005	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Silicon	4.7	0.6	9.6	0.6	4.6	0.6	5.7	0.6	mg/L	~
Dissolved Silver	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Sodium	7.3	0.1	2.2	0.1	2.6	0.1	3.6	0.1	mg/L	~
Dissolved Strontium	0.130	0.001	0.212	0.001	0.115	0.001	0.156	0.001	mg/L	~
Dissolved Sulfur	8.8	0.8	4.5	0.8	5.8	0.8	15.9	0.8	mg/L	~
Dissolved Tellurium	<0.001	0.001	0.002	0.001	<0.001	0.001	0.002	0.001	mg/L	~
Dissolved Thallium	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Thorium	<0.001	0.001	0.003	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Tin	<0.001	0.001	0.002	0.001	0.002	0.001	<0.001	0.001	mg/L	~
Dissolved Titanium	0.012	0.001	0.069	0.001	0.003	0.001	0.007	0.001	mg/L	~
Dissolved Tungsten	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Uranium	<0.001	0.001	0.002	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Vanadium	0.001	0.001	0.009	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Yttrium	<0.001	0.001	0.012	0.001	<0.001	0.001	<0.001	0.001	mg/L	~
Dissolved Zinc	0.039	0.001	0.254	0.001	0.009	0.001	0.017	0.001	mg/L	~
Dissolved Zirconium	<0.001	0.001	0.003	0.001	<0.001	0.001	<0.001	0.001	mg/L	~



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
Metals (Dissolved)	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Aluminum	0.452 [0.469]	0.002	0.075	0.002	mg/L	~
Dissolved Antimony	<0.0005 [<0.0005]	0.0005	0.0015	0.0005	mg/L	~
Dissolved Arsenic	0.001 [0.002]	0.001	<0.001	0.001	mg/L	~
Dissolved Barium	0.035 [0.034]	0.001	0.15	0.01	mg/L	~
Dissolved Beryllium	<0.0005 [<0.0005]	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Bismuth	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Boron	0.007 [0.008]	0.002	0.013	0.002	mg/L	~
Dissolved Cadmium	0.0001 [<0.0001]	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Calcium	63.6 [63.3]	0.5	80.1	0.5	mg/L	~
Dissolved Cerium	0.004 [0.004]	0.001	<0.001	0.001	mg/L	~
Dissolved Cesium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Chromium	0.003 [0.003]	0.001	0.004	0.001	mg/L	~
Dissolved Cobalt	0.0008 [0.0008]	0.0001	0.0004	0.0001	mg/L	~
Dissolved Copper	0.003 [0.003]	0.001	0.003	0.001	mg/L	~
Dissolved Europium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Gallium	0.001 [0.001]	0.001	0.004	0.001	mg/L	~
Dissolved Iron	1.0 [1.0]	0.2	0.61	0.02	mg/L	~





## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
Metals (Dissolved)	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Lanthanum	0.001 [0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Lead	0.0031 [0.0030]	0.0001	0.0017	0.0001	mg/L	~
Dissolved Lithium	<0.005 [<0.005]	0.005	<0.005	0.005	mg/L	~
Dissolved Magnesium	27.400 [27.500]	0.005	27.000	0.005	mg/L	~
Dissolved Manganese	0.061 [0.062]	0.001	0.046	0.001	mg/L	~
Dissolved Mercury	<0.0001 [<0.0001]	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Molybdenum	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Nickel	0.004 [0.004]	0.001	0.004	0.001	mg/L	~
Dissolved Niobium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Phosphorus	0.08 [0.08]	0.05	0.10	0.05	mg/L	~
Dissolved Potassium	1.5 [1.5]	0.1	5.2	0.1	mg/L	~
Dissolved Rubidium	0.002 [0.002]	0.001	0.002	0.001	mg/L	~
Dissolved Scandium	0.002 [0.002]	0.001	0.002	0.001	mg/L	~
Dissolved Selenium	<0.0005 [<0.0005]	0.0005	<0.0005	0.0005	mg/L	~
Dissolved Silicon	4.7 [4.8]	0.6	5.1	0.6	mg/L	~
Dissolved Silver	<0.0001 [<0.0001]	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Sodium	3.4 [3.3]	0.1	3.7	0.1	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

Sample Description	OW23 - B		OW19 - B			
Sample Date	11/4/2021 11:00 AM		11/4/2021 11:00 AM			
Lab ID	1703969		1703970			
Metals (Dissolved)	Result	MDL	Result	MDL	Units	Criteria: ODWS
Dissolved Strontium	0.121 [0.121]	0.001	0.173	0.001	mg/L	~
Dissolved Sulfur	8.4 [8.7]	0.8	4.3	0.8	mg/L	~
Dissolved Tellurium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Thallium	<0.0001 [<0.0001]	0.0001	<0.0001	0.0001	mg/L	~
Dissolved Thorium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Tin	<0.001 [<0.001]	0.001	0.004	0.001	mg/L	~
Dissolved Titanium	0.012 [0.013]	0.001	0.003	0.001	mg/L	~
Dissolved Tungsten	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Uranium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Vanadium	0.001 [0.001]	0.001	0.001	0.001	mg/L	~
Dissolved Yttrium	0.001 [0.001]	0.001	<0.001	0.001	mg/L	~
Dissolved Zinc	0.055 [0.057]	0.001	0.033	0.001	mg/L	~
Dissolved Zirconium	<0.001 [<0.001]	0.001	<0.001	0.001	mg/L	~



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 447873

### LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

[rr]: After a parameter name indicates a re-run of that parameter. If multiple re-runs exist they are suffixed by a number. Sample may not have been handled according to the recommended temperature, hold time and head space requirements of the method after the initial analysis.

MDL: Method detection limit or minimum reporting limit.

[ ]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

~: In a criteria column indicates the criteria is not applicable for the parameter row.

Quality Control: All associated Quality Control data is available on request.

Exceedences: HIGHLIGHTED CELLS INDICATE THAT THE RESULT EXCEEDS A REGULATORY LIMIT. CALCULATED UNCERTAINTY ESTIMATIONS ARE NOT APPLIED FOR DETERMINING SAMPLE EXCEEDANCES.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.

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## CERTIFICATE OF ANALYSIS

Client:	Tecia White	Work Order Number:	449324
Company:	Whitewater Hydrogeology Ltd.	PO #:	
Address:	8537 36/37 Nottawasaga SR RR1 Collingwood, ON, L9Y 3Y9	Regulation:	PWQO
Phone:	(705) 888-7064	Project #:	Strada Shedburne Semi-Annual Surface Water
Email:	tecia@white-water.ca	DWS #:	
		Sampled By:	Hudson Selles
Date Order Received:	11/24/2021	Analysis Started:	11/26/2021
Arrival Temperature:	9.4 °C	Analysis Completed:	12/1/2021

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
R-001	1709263	Surface Water	None	SAMPLE CONTAINED RESULT EXCEEDENCES.	11/24/2021	12:00 PM

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Alkalinity (A1.0)	Mississauga	Determination of Alkalinity by Titration	Modified from APHA-2320B
Anions Water (mg/L by IC) (A5)	Mississauga	Determination of Anions in Water by Ion Chromatography	Modified from SW846-9056A
Carbonate (A94)	Mississauga	Determination of Carbonate and Bi-Carbonate	Modified from APHA-2320
Conductivity of Water (A12)	Mississauga	Determination of Conductivity in Water at 25°C	Modified from SM 2510 B
ICPMS Reg. Water (A13)	Mississauga	Determination of Metals in Water by ICP/MS	Modified from SW846-6020
ICPMS Tot. Water (A13)	Mississauga	Determination of Total Metals in Water by ICP/MS with Digestion	Modified from SW846-6020
pH of Water (A2.0)	Mississauga	Determination of Water pH by Ion Selective Electrode	Modified from APHA-4500H+ B
TP Water (A23.2)	Kirkland Lake	Determination of Total Phosphorus in Water.	Modified from EPA 365.3 and ESS 310.2,



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 449324

This report has been approved by:

Marc Creighton  
Laboratory Director



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 449324

### WORK ORDER RESULTS

Sample Description	R - 001			
Sample Date	11/24/2021 12:00 PM			
Lab ID	1709263			
Anions	Result	MDL	Units	Criteria: PWQO
Chloride	7.3	0.2	mg/L	~
Nitrate (as N)	<0.05	0.05	mg/L	~
Nitrite (as N)	<0.05	0.05	mg/L	~
Sulphate	7.8	0.3	mg/L	~

Sample Description	R - 001			
Sample Date	11/24/2021 12:00 PM			
Lab ID	1709263			
General Chemistry	Result	MDL	Units	Criteria: PWQO
Bicarbonate (Calc.)	206	1	mg/L as CaCO <sub>3</sub>	~
Carbonate (Calc.)	2	1	mg/L as CaCO <sub>3</sub>	~
Conductivity	376	1	µS/cm	~
M-Alkalinity (pH 4.5)	208	2	mg/L as CaCO <sub>3</sub>	~
pH	8	N/A	pH	~
Total Phosphorus (as P)	0.741	0.002	mg/L	~



**CERTIFICATE OF ANALYSIS**

Whitewater Hydrogeology Ltd.

Work Order Number: 449324

<b>Sample Description</b>	<b>R - 001</b>			
<b>Sample Date</b>	11/24/2021 12:00 PM			
<b>Lab ID</b>	1709263			
<b>Metals</b>	<b>Result</b>	<b>MDL</b>	<b>Units</b>	<b>Criteria: PWQO</b>
Calcium	122.0	0.5	mg/L	~
Magnesium	20.500	0.005	mg/L	~
Potassium	7.000	0.001	mg/L	~
Sodium	2.4	0.1	mg/L	~

<b>Sample Description</b>	<b>R - 001</b>			
<b>Sample Date</b>	11/24/2021 12:00 PM			
<b>Lab ID</b>	1709263			
<b>Metals (Total)</b>	<b>Result</b>	<b>MDL</b>	<b>Units</b>	<b>Criteria: PWQO</b>
Total Aluminum	6060	100	ug/L	75
Total Antimony	<0.5	0.5	ug/L	20
Total Arsenic	4	1	ug/L	5
Total Barium	109	1	ug/L	~
Total Beryllium	<0.5	0.5	ug/L	11
Total Bismuth	<1	1	ug/L	~
Total Boron	29	2	ug/L	200
Total Cadmium	1.06	0.02	ug/L	0.1
Total Calcium	124000	500	ug/L	~
Total Cerium	22	1	ug/L	~
Total Cesium	<1	1	ug/L	~
Total Chromium	11	1	ug/L	~
Total Cobalt	4.8	0.1	ug/L	0.9
Total Copper	34	1	ug/L	1



## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 449324

Sample Description	R - 001			
Sample Date	11/24/2021 12:00 PM			
Lab ID	1709263			
Metals (Total)	Result	MDL	Units	Criteria: PWQO
Total Europium	<1	1	ug/L	~
Total Gallium	5	1	ug/L	~
Total Iron	12000	2000	ug/L	300
Total Lanthanum	9	1	ug/L	~
Total Lead	8.9	0.1	ug/L	1
Total Lithium	9	5	ug/L	~
Total Magnesium	21300	4	ug/L	~
Total Manganese	496	10	ug/L	~
Total Mercury	<0.1	0.1	ug/L	0.2
Total Molybdenum	<1	1	ug/L	40
Total Nickel	14	1	ug/L	25
Total Niobium	<1	1	ug/L	~
Total Phosphorus	947	50	ug/L	~
Total Potassium	7680	100	ug/L	~
Total Rubidium	16	1	ug/L	~
Total Scandium	7	1	ug/L	~
Total Selenium	1.2	0.5	ug/L	100
Total Silicon	11900	2	ug/L	~
Total Silver	<0.1	0.1	ug/L	0.1
Total Sodium	2550	100	ug/L	~
Total Strontium	177	1	ug/L	~
Total Sulphur	3600	800	ug/L	~
Total Tellurium	<1	1	ug/L	~
Total Thallium	<0.1	0.1	ug/L	0.3





## CERTIFICATE OF ANALYSIS

Whitewater Hydrogeology Ltd.

Work Order Number: 449324

<b>Sample Description</b>	R - 001			
<b>Sample Date</b>	11/24/2021 12:00 PM			
<b>Lab ID</b>	1709263			
<b>Metals (Total)</b>	<b>Result</b>	<b>MDL</b>	<b>Units</b>	<b>Criteria: PWQO</b>
Total Thorium	1	1	ug/L	~
Total Tin	<1	1	ug/L	~
Total Titanium	152	1	ug/L	~
Total Tungsten	<1	1	ug/L	30
Total Uranium	<1	1	ug/L	5
Total Vanadium	13	1	ug/L	6
Total Yttrium	10	1	ug/L	~
Total Zinc	95	1	ug/L	20
Total Zirconium	3	1	ug/L	4

### LEGEND

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**NORTH DUFFERIN COMMUNITY CENTRE  
BOARD OF MANAGEMENT  
MINUTES  
MONDAY, MARCH 14, 2022 – 7:00 P.M.**



-Moved by White, Seconded by Noble, the NDCC Board of Management recommends that the play structure and cenotaph repairs and maintenance be approved and paid by Mulmur Township. Further; the NDCC Budget be adjusted to reflect these changes. AND FURTHER; that this motion be sent to Melancthon and Mulmur Councils for each to approve. Carried.

## Denise Holmes

---

**From:** Karen Landry <klandry@orangeville.ca>  
**Sent:** Wednesday, March 16, 2022 2:23 PM  
**To:** Denise Holmes; Susan Stone; Nicole Martin; Fred Simpson; Tracey Atkinson; Meghan Townsend; Jennifer Willoughby; mdunne@dufferincounty.ca  
**Subject:** Vehicle For Hire By-law  
**Attachments:** Letter - Vehicle for Hire.pdf

Hello Everyone,

Please see attached letter regarding consideration of a uniform vehicle for hire by-law across the County of Dufferin.

Thanks  
Karen

**Karen M. Landry | Town Clerk**  
**Town of Orangeville**  
87 Broadway | Orangeville, ON L9W 1K1  
519-941-0440 Ext. 2242 | Toll Free 1-866-941-0440 Ex. 2242  
[klandry@orangeville.ca](mailto:klandry@orangeville.ca) | [www.orangeville.ca](http://www.orangeville.ca)

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**Corporate Services**

March 16, 2022

County of Dufferin  
Township of Amaranth  
Township of East Garafraxa  
Town of Grand Valley  
Township of Melancthon  
Town of Mono  
Township of Mulmur  
Town of Shelburne

**Re: Uniform Vehicle for Hire By-law  
Our File No. : C01VEH**

---

Further to our Dufferin Municipal Officers' Association meeting held on February 25, 2022, below is a summary of the status of implementation of a Vehicle for Hire By-law (Taxi, Limousine and Transportation Network Company) in the Town of Orangeville:

1. Draft By-law presented to Orangeville Council on January 24, 2022
2. Stakeholder sessions held with Orangeville Taxi Brokers, Owners and Drivers throughout February
3. Stakeholder session held with those Transportation Network Companies having a presence in Orangeville
4. Public Meeting held on March 7, 2022
5. Reporting back to Council on April 11, 2022 providing a summary of feedback received and any recommended changes to the draft by-law

As discussed at our meeting, the Town has received feedback through our stakeholder sessions requesting consideration for a uniform regulatory licensing and enforcement framework for all of Dufferin County.

The purpose of this letter is to determine the level of interest from each of the local municipalities in:

1. Establishing a uniform Vehicle for Hire Licensing By-law throughout Dufferin County
2. Authorizing the Town of Orangeville to administer the licensing program throughout Dufferin County
3. Authorizing the Town of Orangeville to administer the enforcement of the Vehicle for Hire Licensing By-law throughout Dufferin County

If it is determined there is an interest for either the administration of the licensing program and/or enforcement of the by-law then local shared service agreements with delegated authority would be drafted for consideration for each local municipality taking into consideration the costs to deliver the program and the associated licensing fees.

If you have any questions, please give me a call at 519-941-0440 ext. 2242. We appreciate your consideration on this matter and look forward to hearing from you.

Sincerely,



Karen Landry  
Town Clerk

**THE CORPORATION OF THE TOWNSHIP OF MELANCTHON**

**BY-LAW NUMBER \_\_\_\_\_ - 2022**

**BEING A BY-LAW TO AUTHORIZE THE EXECUTION OF AN  
AGREEMENT BETWEEN THE CORPORATION OF THE TOWNSHIP OF  
MELANCTHON AND THE CORPORATION OF THE TOWN OF  
ORANGEVILLE**

**WHEREAS** it is deemed expedient that the Corporation of the Township of Melancthon and the Corporation of the Town of Orangeville enter into an agreement for By-law Enforcement Services;

**NOW THEREFORE THE CORPORATION OF THE TOWNSHIP OF MELANCTHON BY THE MUNICIPAL COUNCIL THEREOF ENACTS AS FOLLOWS:**

1. THAT the Head of Council and Clerk are hereby authorized to execute the agreement, in the same form or substantially the same form, as attached hereto as Schedule "A" to this By-law.

BY-LAW READ A FIRST AND SECOND TIME THIS 7<sup>TH</sup> DAY OF APRIL, 2022.

BY-LAW READ A THIRD TIME AND PASSED THIS 7<sup>TH</sup> DAY OF APRIL, 2022.

\_\_\_\_\_  
MAYOR

\_\_\_\_\_  
CLERK

GB# 18.2.1  
APR 07 2022

This agreement is entered into this 21 day of March, 2022.

**BETWEEN**

**THE CORPORATION OF THE TOWN OF ORANGEVILLE**

hereinafter referred to as "the Town"

- and -

**THE CORPORATION OF THE TOWNSHIP OF MELANCTHON**

hereinafter referred to as "the Township"

**WHEREAS** the Township and the Town are desirous of entering into an agreement for the provision of By-law Enforcement Services;

**AND WHEREAS** the Town has employees qualified to provide By-law Enforcement Services;

**NOW THEREFORE** that in consideration of the sum of One (1) Dollar, the receipt and sufficiency of which is hereby acknowledged and the covenants and agreements contained herein, the parties hereto mutually covenant and agree as follows:

**1. TOWN RESPONSIBILITIES**

1.1 The Town agrees to:

- (a) provide By-law Enforcement services with professionalism on an as needed basis to a maximum of 20 hours per month to the Township in response to regulatory by-law complaints with the exception of traffic and animal control matters as follows:
  - (i) at the direction of the Township CAO/Clerk;
  - (ii) Town By-law Enforcement staff will correspond with the Township CAO/Clerk on by-law enforcement matters and inquiries in person, by phone, e-mail or other electronic means as arranged by the Township CAO/Clerk;
  - (iii) Town By-law Enforcement staff as required, will participate in meetings in person, by phone or other electronic means with the Township CAO/Clerk, citizens or landowners;
  - (iv) Town By-law Enforcement staff will attend court as required.

1.2 The Town shall invoice the Township on a monthly basis. The invoice shall itemize the following:

- (a) the date the service is provided;
- (b) the number of hours in connection with the service;
- (c) the total wage inclusive of benefits payable in connection with the service;
- (d) mileage payable in connection with the service including the mileage travelled and the rate per kilometre; and
- (e) disbursements.

1.3 The Town shall notify the Township of any adjustments in the hourly rate inclusive of benefits thirty (30) days in advance of any invoice being issued by the Town at the adjusted rate.

**2. TOWNSHIP RESPONSIBILITIES**

2.1 The Township agrees to pay an annual retainer fee of \$1,000.00 and to pay within thirty (30) days of receipt of an invoice from the Town:

- (a) the hourly rate inclusive of benefits of \$59.04 per hour including travel time;
- (b) the hourly rate inclusive of benefits shall be adjusted annually according to the Town's salary and benefits program;
- (c) mileage including mileage to the Township at the CRA mileage rate;
- (d) disbursement costs.

- 2.2 The Township shall pass a By-law appointing by-law enforcement staff identified by the Town Clerk from time to time as By-law Enforcement Officers in accordance with the *Municipal Act* and the *Police Services Act*.
- 2.3 The Township at all times shall fully indemnify and save harmless the Town against all actions, suits, claims, and demands whatsoever which may be brought against or made upon the Town and from and against all loss, costs, damages, charges and expenses whatsoever which may be incurred or injury caused by or in connection with the services provided under this Agreement.

**3. GENERAL PROVISIONS**

- 3.1 The term of this agreement shall be three (3) years, commencing on March 22, 2022. Unless terminated, this agreement shall be automatically renewed for one (1) year.
- 3.2 The consent of the Town and the Township is required to increase the level of service outlined in this Agreement.
- 3.3 The Town and the Township agree to comply with all applicable laws pertaining to this Agreement.
- 3.4 The Town or the Township may, at any time and for any reason, terminate this Agreement by giving thirty (30) days written notice to that effect.
- 3.5 Termination of this Agreement shall not affect the parties' rights, responsibilities, obligations or liabilities arising during the term of the Agreement with respect to matters arising prior to the date of termination and shall not affect any right or remedy to which the Township or Town would otherwise be entitled.
- 3.6 All information collected or acquired by the Town in the performance of the services subject to this Agreement shall become the property of the Township.
- 3.7 The Township acknowledges that the Town may acquire information about certain matters that are confidential.
- 3.8. The Town agrees to protect the confidential information to the same extent that it protects its own confidential information. The Town shall not disclose any information it acquires without the consent of the Township unless otherwise required by law.
- 3.9 The Town and Township acknowledge that they are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act. Any requests for access to information in relation to the services provided shall be the responsibility of the Township.
- 3.10 The Township and Town hereby agree that any notice required or given pursuant to this Agreement shall be sufficiently given if personally delivered, postage prepaid at any time other than during a general discontinuance of postal services or sent by email, as follows:

In the case of the Township:

**THE CORPORATION OF THE TOWNSHIP OF MELANCTHON**

157101 ON-10  
Melancthon, ON L9V 2E6

Attention: Denise Holmes, CAO/Clerk

Email: [dholmes@melancthontownship.ca](mailto:dholmes@melancthontownship.ca)

In the case of the Town:

**THE CORPORATION OF THE TOWN OF ORANGEVILLE**

87 Broadway  
Orangeville, ON L9W 1K1

Attention: Karen Landry, Clerk



Email: klandry@orangeville.ca

or to such other address or person as either party may notify the other of in writing.

3.2 Any notice shall be deemed to have been given and received by the party to whom it is addressed if:

- (a) delivered, on the date of delivery;
- (b) mailed, on the fifth day after the mailing thereof;
- (c) email transmission before 4:30 p.m., on the date of the email transmission with confirmation of delivery of the email;
- (d) email transmission after 4:30 p.m., on the next business day following the email transmission with confirmation of delivery of the email.

In Witness whereof the Parties have signed this agreement.

in the presence of

THE CORPORATION OF THE TOWN OF ORANGEVILLE

Sandy Brown  
Sandy Brown, Mayor

Date: March 21, 2022

Karen Landry  
Karen Landry, Clerk

Date: March 21, 2022

WE HAVE AUTHORITY TO BIND THE CORPORATION

THE CORPORATION OF THE TOWNSHIP OF MELANCTHON

Darren White  
Darren White, Mayor

Denise Holmes  
Denise Holmes, CAO/Clerk

Date: \_\_\_\_\_

WE HAVE AUTHORITY TO BIND THE CORPORATION

AUTHORIZED BY ORANGEVILLE COUNCIL  
BY LAW/RESOLUTION NO. 2022-090  
THE 21 DAY OF March, 2022

**THE CORPORATION OF THE TOWNSHIP OF MELANCTHON**

**BY-LAW NUMBER -2022**

BEING A BY-LAW TO ADOPT THE ESTIMATES OF ALL SUMS REQUIRED DURING THE YEAR AND TO STRIKE THE RATES OF TAXATION, AND TO FURTHER PROVIDE FOR PENALTY AND INTEREST IN DEFAULT OF PAYMENT THEREOF FOR THE YEAR 2022

**WHEREAS** the Council of the Corporation of the Township of Melancthon has, in accordance with the Municipal Act, 2001, S.O. 2001, Chapter 25 as amended, Section 290 (1)(2)(3)(4) and Section 291 (1) considered the estimates of the Municipality for the year 2022;

**AND WHEREAS** pursuant to the County of Dufferin By-law the County of Dufferin set tax ratios and to set tax rate reductions for prescribed property subclasses for county purposes and lower tier municipal purposes;

**AND WHEREAS** the tax ratios established the relative amount of taxation to be borne by each property class and have been set for the taxation year 2022 under the authority of the Municipal Act, 2001, S.O. 2001, Chapter 25 Section 308(5) as follows:

Residential Class is	1.0000
Multi-residential Class is	2.0000
New Multi-Residential	1.1000
Commercial Class is	1.2200
Industrial Class is	2.1984
Landfill Class is	1.1815
Pipeline Class is	0.8421
Farmland Class is	0.2200
Managed Forest Class is	0.2500

**AND WHEREAS** all property assessment rolls on which the 2022 taxes are to be levied have been returned and revised pursuant to the provision of the Assessment Act, R.S.O. 1990, c.A.31, as amended (hereinafter referred to as the "Assessment Act") subject to appeals at present before the Assessment Review Board, the Ontario Municipal Board and the District Court;

**AND WHEREAS** the "Residential/Farm Assessment", "Multi-Residential Assessment", "Commercial Assessment", "Industrial Assessment", "Pipeline Assessment", "Farmlands Assessment" and "Managed Forests Assessment" and the applicable subclasses pursuant to Section 7 of the Assessment Act, as amended by the Fair Municipal Finance Act, 1997 and Regulations thereto, have been determined on the basis of the aforementioned property assessment rolls and are detailed on Schedule "A" attached hereto and which forms part hereof;

**AND WHEREAS** the Province of Ontario has regulated all education tax rates for 2022; and hereby adopted to be applied against the whole of the assessment for real property.

**AND WHEREAS** the Treasurer shall add all or any arrears for special charges such as developer charges; fees regarding registered tax properties; service charges for cutting weeds, dog licensing fees and drain maintenance arrears pursuant to any statute or by-law to the respective properties chargeable thereto and that the same shall be collected by the collector in the manner as all other rates or levies.

**NOW THEREFORE** the Council of the Corporation of the Township of Melancthon enacts as follows:

**THAT** the Corporation of the Township of Melancthon adopt the sum of Two Million, Nine Hundred and Forty-Three Thousand, One Hundred and Ninety-One Dollars (\$2,943,191.00) as detailed in Schedule "B" attached hereto and which forms part hereof as the estimate of the Property Tax Levy required during the year 2022 for general purposes of the Corporation of the Township of Melancthon.

**THAT** for the year 2022 in the Corporation of the Township of Melancthon, the lower tier municipalities shall levy upon Residential/Farm Assessment, Multi-Residential Assessment, Commercial Assessment, Industrial Assessment, Pipeline Assessment, Farmlands Assessment and

GB#18.2.2  
APR 07 2022

Managed Forests Assessment and applicable subclasses the tax rates for Township purposes set out in Schedule "C" attached hereto and which forms part hereof.

**THAT** tax rates for the Township of Melancthon portion of the tax bill are hereby adopted to be applied against the whole of the assessment for real property as set out in Schedule "D".

1. The taxes shall become due and payable in two instalments:

First installment due and payable on August 23, 2022

Second installment due and payable on November 22, 2022

2. A penalty at the rate of 1.25% will be charged on the first day of default and on the first day of each calendar month thereafter in which default continues, on all unpaid instalments of taxes until December 31, 2022 after which the interest rates of 1.25% per month for each month or fraction thereof will be added.
3. The Treasurer may mail or cause the same to be mailed to the resident or place of business of such person indicated on the last revised assessment roll, a written or printed notice specifying the amount of taxes payable.
4. The taxes are payable at the Municipal Office, 157101 Highway 10, Melancthon, Ontario, L9V 2E6, the Toronto Dominion Bank or Credit Union in Shelburne, the CIBC or Credit Union in Dundalk, by mail, or by telephone/internet banking and by direct debit but not credit card.
5. In the event that the Provincial OPTA system does not have the necessary data to provide on Commercial, Industrial and Multi-Residential tax capping to permit processing tax bills for these installment dates, then the Treasurer is authorized to process tax bills for the remaining tax classes and to establish later tax installment due date(s) for the Commercial, Industrial and Multi-Residential tax classes on a separate bill.

This by-law shall come into force and effect upon the date of the final reading thereof.

**By-law read a first and second time this 7<sup>th</sup> day of April, 2022.**

**By-law read a third time and passed this 7<sup>th</sup> day of April, 2022.**

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
Clerk

Schedule A  
Township of Melancthon  
CALCULATION OF LOWER TIER TAX RATES

**Weighted Assessments Calculation**

	"Pure" Assessment	Tax Ratio	Weighted Assessi
Residential	431,872,000	1.0000	431,872,000
Residential Payment in Lieu	0	1.0000	0
Commercial Full (Occupied)	7,199,900	1.2200	8,783,878
Commercial Vacant Land	401,700	0.8540	343,052
Commercial Excess Land	68,000	0.8540	58,072
Commercial New Const. - Full	3,050,300	1.2200	3,721,366
Commercial New Const. Vacant	0	0.8540	0
Shopping Centre (Occupied)	0	1.2200	0
Parking Lot Full	0	1.2200	0
Industrial (Occupied)	11,496,200	2.1984	25,273,246
Vacant Units & Excess Land	141,000	1.5389	216,982
New Construction	27,442,300	2.1984	60,329,152
New Construction Excess Land	0	1.5389	0
Residential - Payment in Lieu	0	1.0000	0
Pipeline	1,939,000	0.8421	1,632,832
Farmlands	251,367,400	0.2200	55,300,828
Managed Forest	3,252,500	0.2500	813,125
<b>Total</b>	<b>738,230,300</b>		<b>588,344,533</b>

## TOWNSHIP OF MELANCTHON 2022 BUDGET SUMMARY



## Approved Budget as at March 17, 2022

BUDGET PAGE	DEPARTMENT EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
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## GENERAL GOVERNMENT SERVICES

4	COUNCIL	\$ 80,219.50	\$ 86,600.00	\$ 88,080.68	\$ 112,350.00
5	ADMINISTRATION	\$ 586,687.58	\$ 593,432.00	\$ 650,404.96	\$ 650,504.00
5	TAXATION WRITE OFFS	\$ 80,763.91	\$ 75,000.00	\$ 53,778.70	\$ 75,000.00
		\$ 747,670.99	\$ 755,032.00	\$ 792,264.34	\$ 837,854.00

11.0%

## PROTECTION TO PERSONAL &amp; PROPERTY

6	FIRE SERVICES	\$ 246,764.78	\$ 280,255.00	\$ 272,415.55	\$ 281,679.99
6	POLICING	\$ 402,661.42	\$ 413,227.00	\$ 415,016.56	\$ 432,024.00
6	BYLAW ENFORCEMENT	\$ 4,034.23	\$ 12,000.00	\$ 7,746.90	\$ 12,000.00
6	CONSERVATION AUTHORITY	\$ 31,740.78	\$ 32,613.00	\$ 32,612.50	\$ 33,615.80
6	ANIMAL CONTROL	\$ 7,041.24	\$ 3,500.00	\$ 2,073.13	\$ 3,500.00
6	STREET LIGHTS	\$ 5,324.52	\$ 6,000.00	\$ 5,182.34	\$ 6,500.00
		\$ 697,566.97	\$ 747,595.00	\$ 735,046.98	\$ 769,319.79

2.9%

## TRANSPORTATION SERVICES

7	SALARIES & ADMINISTRATION	\$ 483,456.44	\$ 550,945.00	\$ 521,602.10	\$ 551,100.00
7	ROAD DEPARTMENT BUILDING & MISC.	\$ 94,993.45	\$ 138,150.00	\$ 127,501.40	\$ 145,500.00
8	ROAD EQUIPMENT	\$ 229,855.20	\$ 272,433.00	\$ 228,789.80	\$ 266,780.00
8	NEW EQUIPMENT	\$ 10,888.32	\$ 312,000.00	\$ 153,555.84	\$ 803,349.13
9	BRIDGES, CULVERTS, DRAINS	\$ 400,734.41	\$ 347,408.00	\$ 315,401.53	\$ 458,408.00
9	ROADSIDE	\$ 46,677.42	\$ 60,000.00	\$ 31,897.33	\$ 65,000.00
9	HARDTOP	\$ 25,075.53	\$ 79,228.00	\$ 11,578.32	\$ 51,700.00
9	LOOSETOP	\$ 396,165.05	\$ 471,000.00	\$ 462,418.95	\$ 527,000.00
10	WINTER CONTROL	\$ 39,714.40	\$ 53,000.00	\$ 33,745.36	\$ 41,225.00
10	ROAD IMPROVEMENTS	\$ 572,326.84	\$ 538,669.00	\$ 533,895.23	\$ 350,000.00
10	RESERVES	\$ 160,000.00	\$ 110,000.00	\$ 110,000.00	\$ 160,000.00
10	BUILDING IMPROVEMENTS	\$ -	\$ 100,000.00	\$ 14,722.26	\$ 119,568.00
		\$ 2,459,887.06	\$ 3,032,833.00	\$ 2,545,108.12	\$ 3,539,630.13

16.7%

BUDGET PAGE	DEPARTMENT EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
11	ENVIRONMENTAL SERVICES	\$ 33,026.07	\$ 40,293.00	\$ 25,833.86	\$ 38,600.00
		\$ 33,026.07	\$ 40,293.00	\$ 25,833.86	\$ 38,600.00
					-4.2%
11	RECREATION	\$ 121,500.26	\$ 134,302.00	\$ 154,932.75	\$ 176,808.00
		\$ 121,500.26	\$ 134,302.00	\$ 154,932.75	\$ 176,808.00
					31.6%
11	HEALTH & SOCIAL SERVICES (CEMETERY)	\$ -	\$ 5,000.00	\$ 2,150.00	\$ 5,000.00
		\$ -	\$ 5,000.00	\$ 2,150.00	\$ 5,000.00
					0%
11	LIBRARY	\$ 65,091.00	\$ 66,152.00	\$ 66,152.00	\$ 67,100.00
		\$ 65,091.00	\$ 66,152.00	\$ 66,152.00	\$ 67,100.00
					1.4%
12	PLANNING	\$ 111,335.64	\$ 65,000.00	\$ 61,845.84	\$ 80,000.00
		\$ 111,335.64	\$ 65,000.00	\$ 61,845.84	\$ 80,000.00
					23.1%
12	DRAINAGE	\$ 51,789.81	\$ 53,880.00	\$ 38,266.24	\$ 55,380.00
		\$ 51,789.81	\$ 53,880.00	\$ 38,266.24	\$ 55,380.00
					2.8%
12	RESERVES	\$ 11,452.00	\$ 11,452.00	\$ 5,000.00	\$ 33,000.00
		\$ 11,452.00	\$ 11,452.00	\$ 5,000.00	\$ 33,000.00
					188.2%
12	SUBTOTAL EXPENSES	\$ 3,551,648.81	\$ 4,911,539.00	\$ 4,426,600.13	\$ 5,602,691.92
					14.1%



BUDGET PAGE	DEPARTMENT REVENUE SUMMARY	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
13	<b>TAXATION</b>				
	SUPPLEMENTALS	\$ 94,871.93	\$ 85,000.00	\$ 77,632.00	\$ 85,000.00
	GRANT IN LIEU	\$ 1,092.14	\$ 1,100.00	\$ 1,907.00	\$ 1,900.00
		\$ 95,964.07	\$ 86,100.00	\$ 79,539.00	\$ 86,900.00
					0.9%
13	<b>GRANTS</b>	\$ 423,460.36	\$ 480,828.00	\$ 410,974.91	\$ 515,029.00
		\$ 423,460.36	\$ 480,828.00	\$ 410,974.91	\$ 515,029.00
					7.1%
13	<b>ADMINISTRATION</b>	\$ 31,435.65	\$ 35,390.00	\$ 38,225.50	\$ 23,650.00
		\$ 31,435.65	\$ 35,390.00	\$ 38,225.50	\$ 23,650.00
					-33.2%
14	<b>PROTECTIONS TO PERSONS &amp; PROPERTY</b>	\$ 16,567.50	\$ 4,125.00	\$ 17,070.00	\$ 4,100.00
		\$ 16,567.50	\$ 4,125.00	\$ 17,070.00	\$ 4,100.00
					-0.6%
14	<b>ROADS</b>	\$ 675,033.34	\$ 736,169.00	\$ 601,476.87	\$ 1,092,930.00
		\$ 675,033.34	\$ 736,169.00	\$ 601,476.87	\$ 1,092,930.00
					48.5%
14	<b>PLANNING</b>	\$ 21,370.45	\$ 19,200.00	\$ 81,262.57	\$ 19,700.00
		\$ 21,370.45	\$ 19,200.00	\$ 81,262.57	\$ 19,700.00
					2.6%
15	<b>OTHER</b>	\$ 882,009.35	\$ 735,550.00	\$ 773,637.86	\$ 945,550.00
		\$ 882,009.35	\$ 735,550.00	\$ 773,637.86	\$ 945,550.00
					28.6%
		\$			
15	<b>SUBTOTAL REVENUE</b>	\$ 2,145,840.72	\$ 2,097,362.00	\$ 2,002,186.71	\$ 2,687,859.00
					28.2%

GL ACCT # 5001	COUNCIL EXPENDITURES EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
1010	SALARIES, MEETINGS	\$ 74,636.11	\$ 80,000.00	\$ 81,280.00	\$ 92,000.00
1022	TRAINING			\$ 1,222.00	\$ 7,500.00
1025	RECEIVER GENERAL	\$ 3,014.85	\$ 3,300.00	\$ 3,523.70	\$ 3,800.00
1030	EHT	\$ 1,455.46	\$ 1,600.00	\$ 1,584.98	\$ 1,600.00
1070	MILEAGE	\$ 691.90	\$ 1,000.00	\$ 98.00	\$ 1,000.00
1080	CONFERENCES/CONVENTIONS/SEMINARS	\$ 203.52	\$ 250.00	\$ -	\$ 250.00
1090	MEALS	\$ 167.66	\$ 200.00	\$ -	\$ 200.00
2190	MISCELLANEOUS/NEW IPADS	\$ 50.00	\$ 250.00	\$ 372.00	\$ 6,000.00
	<b>TOTAL COUNCIL EXPENDITURES</b>	<b>\$ 80,219.50</b>	<b>\$ 86,600.00</b>	<b>\$ 88,088.68</b>	<b>\$ 112,350.00</b>

GL ACCT # 5002	ADMINISTRATION EXPENDITURES EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
1010	WAGES, VACATION PAY, UNUSED SICK PAY	\$ 287,100.88	\$ 300,000.00	\$ 301,495.64	\$ 309,000.00
1020	BENEFITS	\$ 25,768.87	\$ 27,000.00	\$ 31,640.90	\$ 32,000.00
1022	TRAINING		\$ 1,200.00	\$ 3,444.06	\$ 3,000.00
1025	RECEIVER GENERAL	\$ 13,601.54	\$ 15,000.00	\$ 17,031.72	\$ 18,000.00
1026	MEETINGS	\$ 416.59	\$ 1,000.00	\$ 450.00	\$ 1,000.00
1030	EHT	\$ 5,611.56	\$ 5,800.00	\$ 5,897.23	\$ 6,000.00
1040	WSIB	\$ 7,613.97	\$ 7,800.00	\$ 8,060.24	\$ 8,500.00
1064	OMERS TOWNSHIP	\$ 29,103.28	\$ 31,000.00	\$ 30,248.55	\$ 33,000.00
1070	MILEAGE	\$ 1,158.50	\$ 1,500.00	\$ 687.50	\$ 1,500.00
1080	CONFERENCES	\$ -	\$ -	\$ -	\$ -
2025	OFFICE FURNITURE	\$ -	\$ 1,000.00	\$ -	\$ 1,000.00
2010	OFFICE SUPPLIES	\$ 6,263.18	\$ 6,500.00	\$ 6,426.10	\$ 6,800.00
2020	POSTAGE	\$ 5,350.56	\$ 6,000.00	\$ 6,663.30	\$ 7,000.00
2030	OFFICE EQUIPMENT	\$ 3,107.20	\$ 3,800.00	\$ 2,056.19	\$ 3,500.00
2030	OFFICE EQUIPMENT-NEW PHONES	\$ -	\$ 10,000.00	\$ 11,690.00	\$ -
2035	COMPUTER PROGRAM UPDATES & IT SERVICES	\$ 8,463.53	\$ 10,000.00	\$ 8,010.11	\$ 16,000.00
2036	COMPUTERS & SERVER	\$ 210.15	\$ 250.00	\$ 1,302.03	\$ 500.00
2037	ESRI LICENSE AGREEMENT	\$ 3,000.00	\$ 3,000.00	\$ 3,052.80	\$ 3,100.00
2040	ADVERTISING	\$ 668.56	\$ 2,000.00	\$ 1,465.35	\$ 1,500.00
2050	AUDIT	\$ 19,764.81	\$ 20,000.00	\$ 18,594.56	\$ 21,000.00
2060	MEMBERSHIPS	\$ 3,820.28	\$ 3,900.00	\$ 3,537.27	\$ 4,100.00
2070	HEATING	\$ 1,872.67	\$ 2,800.00	\$ 2,574.00	\$ 3,400.00
2080	HYDRO	\$ 3,075.80	\$ 4,000.00	\$ 4,104.00	\$ 4,800.00
2090	TELEPHONE	\$ 2,367.33	\$ 2,500.00	\$ 2,577.00	\$ 2,800.00
2094	INTERNET	\$ 1,288.03	\$ 1,400.00	\$ 1,686.67	\$ 1,800.00
2095	WEBSITE MAINTENANCE		\$ 250.00	\$ -	\$ -



GL ACCT # 5002	ADMINISTRATION EXPENDITURES EXPENDITURES (CONTINUED)	2020A ACTUAL YEAR END	2021A FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
2099	TOW-TRUCK LICENSING BY-LAW		\$ 1,000.00	\$ 1,000.00	\$ -
2100	PROFESSIONAL FEES - LEGAL	\$ 10,470.41	\$ 15,000.00	\$ 7,518.88	\$ 25,000.00
2102	INTEGRITY COMMISSIONER SERVICES	\$ 4,263.06	\$ 5,000.00	\$ 1,007.43	\$ 5,000.00
2103	HEALTH AND SAFETY SERVICES	\$ 21.34	\$ 5,000.00	\$ 4,984.00	\$ 5,000.00
2109	EMPLOYEE TOWNSHIP COMPENSATION PLAN		\$ 6,800.00	\$ 1,445.00	\$ -
2110	INSURANCE	\$ 37,000.00	\$ 47,000.00	\$ 53,257.65	\$ 55,000.00
2120	ELECTION		\$ 10,000.00	\$ 992.16	\$ 15,000.00
2162	BLDG MAINTENANCE	\$ 1,804.22	\$ 4,000.00	\$ 2,456.89	\$ 4,000.00
2163	OFFICE CLEANING	\$ 2,035.20	\$ 2,200.00	\$ 2,136.96	\$ 2,400.00
2164	LANDSCAPING & GRASS CUTTING	\$ 51.87	\$ 300.00	\$ 91.57	\$ 300.00
2165	WATER SAMPLING	\$ 59.46	\$ 125.00	\$ 86.48	\$ 125.00
2170	COVID-19 EXPENSES	\$ 5,474.18	\$ 2,000.00	\$ 30,676.94	\$ 5,000.00
2190	OTHER/MISCELLANEOUS	\$ 1,350.35	\$ 5,000.00	\$ 3,918.31	\$ 5,000.00
2193	SIGN/FLAG POLE (MMAHO FUNDED)	\$ 39,556.29		\$ 34,097.55	\$ -
2193	PARK LIGHTS (MMAHO FUNDED)			\$ 7,211.92	
2194	MAIN STREET REVITALIZATION	\$ 34,630.77		\$ -	\$ -
2200	PETTY CASH	\$ 136.40	\$ 500.00	\$ 500.00	\$ 500.00
2300	BRETTON ESTATES	\$ 949.15	\$ -	\$ -	\$ -
4015	PENNY ROUNDING	\$ (0.03)	\$ -	\$ -	\$ -
4030	BANK CHARGES	\$ 1,200.96	\$ 1,250.00	\$ 1,250.00	\$ 1,300.00
6135	GRANT TO OTHERS		\$ 2,500.00	\$ 5,000.00	\$ 2,500.00
	DONATION TO MARKDALE HOSPITAL (5YRS)				\$ 15,000.00
6136	ERSKINE CLINIC	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
7011	LOAN FOR MUNICIPAL EXPANSION	\$ 13,056.66	\$ 13,057.00	\$ 13,057.00	\$ 13,057.00
	<b>TOTAL</b>	<b>\$ 586,687.58</b>	<b>\$ 593,432.00</b>	<b>\$ 650,404.96</b>	<b>\$ 650,504.00</b>
4010	<b>TOTAL TAX WRITE OFF EXPENDITURES</b>	<b>\$ 80,763.91</b>	<b>\$ 75,000.00</b>	<b>\$ 53,778.70</b>	<b>\$ 75,000.00</b>
	<b>TOTAL ADMINISTRATION EXPENDITURES</b>	<b>\$ 747,670.99</b>	<b>\$ 755,032.00</b>	<b>\$ 792,264.34</b>	<b>\$ 837,854.00</b>

GL ACCT #	PROTECTION TO PERSONS/PROPERTY EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
<b>FIRE SERVICES</b>					
3 6010	MULMUR MELANCTHON FD	\$ 105,149.16	\$ 107,250.00	\$ 98,702.92	\$ 103,689.86
3 6020	SHELBURNE AND DISTRICT FD	\$ 108,890.62	\$ 113,005.00	\$ 113,712.63	\$ 112,990.13
3 6030	TOWNSHIP OF SOUTHGATE FD - OPER	\$ 25,725.00	\$ 52,000.00	\$ 52,000.00	\$ 56,000.00
3 6031	TOWNSHIP OF SOUTHGATE FD - CAP	\$ 7,000.00	\$ 8,000.00	\$ 8,000.00	\$ 9,000.00
	<b>SUB TOTAL</b>	<b>\$ 246,764.78</b>	<b>\$ 280,255.00</b>	<b>\$ 272,415.55</b>	<b>\$ 281,679.99</b>
<b>POLICING</b>					
4 3050	POLICING	\$ 396,161.82	\$ 406,341.00	\$ 403,632.44	\$ 419,774.00
4 3055	POLICING - ESO	\$ 343.60	\$ 350.00	\$ 243.60	\$ 350.00
4 3052	POLICING - RIDE	\$ (94.60)	\$ 6,536.00	\$ 6,531.76	\$ 6,600.00
4 3053	POLICE SERVICES BOARD	\$ -	\$ -	\$ -	\$ 300.00
4 2300	SPEED VISION SIGN/BLACK CAT	\$ 6,250.60	\$ -	\$ 4,608.76	\$ -
	TASK FORCE				\$ 5,000.00
	<b>SUB TOTAL</b>	<b>\$ 402,661.42</b>	<b>\$ 413,227.00</b>	<b>\$ 415,016.56</b>	<b>\$ 432,024.00</b>
<b>BY LAW ENFORCEMENT</b>					
4 6155	BY LAW ENFORCEMENT	\$ 4,034.23	\$ 12,000.00	\$ 7,746.90	\$ 12,000.00
<b>CONSERVATION AREA</b>					
4 6040	NOTTAWASAGA VALLEY CA	\$ 12,567.78	\$ 12,794.00	\$ 12,793.50	\$ 13,228.80
4 6050	GRAND RIVER CA	\$ 19,173.00	\$ 19,819.00	\$ 19,819.00	\$ 20,387.00
	<b>SUB TOTAL</b>	<b>\$ 31,740.78</b>	<b>\$ 32,613.00</b>	<b>\$ 32,612.50</b>	<b>\$ 33,615.80</b>
<b>ANIMAL CONTROL</b>					
13 6140	LIVESTOCK CLAIMS	\$ 6,286.20	\$ 1,000.00	\$ 360.00	\$ 1,000.00
4 6150	ANIMAL CONTROL	\$ 755.04	\$ 2,500.00	\$ 1,713.13	\$ 2,500.00
	<b>SUB TOTAL</b>	<b>\$ 7,041.24</b>	<b>\$ 3,500.00</b>	<b>\$ 2,073.13</b>	<b>\$ 3,500.00</b>
<b>STREET LIGHTS</b>					
6 3025	STREET LIGHTS LED	\$ 4,565.13	\$ 5,000.00	\$ 5,182.34	\$ 5,500.00
6 3026	STREET LIGHT REPAIR	\$ 759.39	\$ 1,000.00	\$ -	\$ 1,000.00
	<b>SUB TOTAL</b>	<b>\$ 5,324.52</b>	<b>\$ 6,000.00</b>	<b>\$ 5,182.34</b>	<b>\$ 6,500.00</b>
	<b>TOTAL PROTECTION TO PERSONS/PROPERTY</b>	<b>\$ 697,566.97</b>	<b>\$ 747,595.00</b>	<b>\$ 735,046.98</b>	<b>\$ 769,319.79</b>

GL ACCT #	ROADWAYS EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
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**SALARIES & ADMINISTRATION**

1010	SALARIES AND WAGES	\$ 369,717.88	\$ 395,000.00	\$ 387,177.57	\$ 405,000.00
1025	RECEIVER GENERAL, EHT & WSIB	\$ 39,885.35	\$ 42,500.00	\$ 42,361.22	\$ 44,000.00
1020	BENEFITS	\$ 27,688.57	\$ 29,000.00	\$ 25,438.20	\$ 31,000.00
1064	OMERS TOWNSHIP CONTRIBUTION	\$ 33,474.23	\$ 35,500.00	\$ 33,452.82	\$ 36,500.00
1070	MILEAGE	\$ 30.00	\$ 100.00	\$ 30.00	\$ 100.00
1022	STAFF TRAINING AND SEMINARS	\$ -	\$ 3,000.00	\$ 811.03	\$ 3,000.00
2010	OFFICE SUPPLIES/COMPUTOR	\$ 106.62	\$ 300.00	\$ 27.45	\$ 2,000.00
2036	GPS MONTHLY TRACKING EXPENSE	\$ 4,331.58	\$ 5,000.00	\$ 5,119.14	\$ 5,500.00
2112	ASSET MANAGEMENT PLAN SUPPORT	\$ 8,222.21	\$ 5,650.00	\$ 10,292.51	\$ 6,000.00
2112	ASSET MANAGEMENT PLAN UPDATE	\$ -	\$ 18,000.00	\$ -	\$ 18,000.00
3105	BRIDGE STUDY/INSPECTIONS	\$ -	\$ 16,895.00	\$ 16,892.16	\$ -
<b>TOTAL</b>		<b>\$ 483,456.44</b>	<b>\$ 550,945.00</b>	<b>\$ 521,602.10</b>	<b>\$ 551,100.00</b>

**ROAD DEPARTMENT BUILDING MISC.**

2070	UTILITIES - HEAT	\$ 7,509.99	\$ 10,000.00	\$ 10,962.00	\$ 12,000.00
2080	UTILITIES - HYDRO	\$ 4,445.07	\$ 5,000.00	\$ 6,058.43	\$ 7,000.00
2090	TELEPHONE	\$ 823.49	\$ 1,000.00	\$ 839.83	\$ 1,000.00
2091	MOBILE PHONE	\$ 761.21	\$ 1,000.00	\$ 1,158.53	\$ 1,200.00
2040	ADVERTISING	\$ (356.16)	\$ 500.00	\$ 753.03	\$ 750.00
2041	SIGNS	\$ 5,182.27	\$ 5,000.00	\$ 2,101.38	\$ 5,000.00
2110	INSURANCE	\$ 45,000.00	\$ 52,000.00	\$ 54,648.00	\$ 57,400.00
2100	LEGAL FEES	\$ -	\$ 5,000.00	\$ 3,204.16	\$ 5,000.00
2050	AUDIT	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
2060	MEMBERSHIPS	\$ 113.00	\$ 150.00	\$ 113.00	\$ 150.00
2165	MATERIALS AND SUPPLIES/STOCK	\$ 4,441.14	\$ 7,000.00	\$ 6,249.55	\$ 7,000.00
2166	COVERALLS	\$ 4,908.78	\$ 6,000.00	\$ 4,879.60	\$ 6,000.00
3000	SERVICES AND RENTS/MISC	\$ 3,732.04	\$ 7,500.00	\$ 1,534.03	\$ 7,500.00
2103	HEALTH & SAFETY SERVICES	\$ 21.34	\$ 5,000.00	\$ 4,864.74	\$ 5,000.00
2104	HEALTH & SAFETY SERVICES/SUPPLIES		\$ 3,000.00	\$ 256.36	\$ 500.00
2162	BUILDING MAINTENANCE	\$ 4,576.48	\$ 10,000.00	\$ 13,822.56	\$ 10,000.00
2163	SAND DOME REPAIRS				
2170	COVID EXPENSES		\$ 1,000.00	\$ 412.00	\$ -
2185	OIL SEPARATER	\$ 1,590.00	\$ 2,000.00	\$ -	\$ 2,000.00
2192	SHOP TOOLS	\$ 808.71	\$ 5,000.00	\$ 3,509.07	\$ 5,000.00
2190	MISCELLANEOUS	\$ 825.53	\$ 1,000.00	\$ 2,135.13	\$ 2,000.00
3800	CONTRACT WORK	\$ 610.56	\$ 1,000.00	\$ -	\$ 1,000.00
<b>TOTAL</b>		<b>\$ 94,993.45</b>	<b>\$ 138,150.00</b>	<b>\$ 127,501.40</b>	<b>\$ 145,500.00</b>



GL ACCT # 5005	ROADWAYS EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
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## ROAD EQUIPMENT

2150	FUEL - CLEAR	\$ 36,910.73	\$ 45,000.00	\$ 39,824.35	\$ 55,000.00
2155	FUEL - DYED	\$ 22,790.38	\$ 30,000.00	\$ 34,588.35	\$ 40,000.00
3060	WATER TANK	\$ 126.80	\$ -	\$ -	\$ -
3070	FUEL - PATROL TRUCKS	\$ 9,422.56	\$ 12,000.00	\$ 11,845.00	\$ 18,000.00
2180	OIL - TRUCKS AND GRADER	\$ -	\$ 4,000.00	\$ -	\$ 4,000.00
3071	TR # 1 - REPAIRS	\$ 5,623.18	\$ 5,000.00	\$ 2,614.46	\$ 5,000.00
3073	TR # 2 - REPAIRS	\$ 10,016.31	\$ 15,000.00	\$ 7,634.00	\$ 15,000.00
3074	TR # 3 - REPAIRS	\$ 8,081.67	\$ 10,000.00	\$ 7,757.00	\$ 10,000.00
3075	TR # 4 - REPAIRS	\$ 10,900.21	\$ 15,000.00	\$ 9,190.00	\$ 15,000.00
3076	TR # 5 - REPAIRS	\$ 24,270.90	\$ 15,000.00	\$ 18,208.00	\$ 15,000.00
3077	TR # 6 - REPAIRS	\$ 10,241.30	\$ 15,000.00	\$ 14,712.00	\$ 15,000.00
3069	TR # 7 - REPAIRS	\$ 118.04	\$ 5,000.00	\$ 5,080.00	\$ 5,000.00
3079	GR#1 - CAT - REPAIRS	\$ 3,711.86	\$ 10,000.00	\$ 8,051.00	\$ 10,000.00
3080	GR#2 - REPAIRS	\$ 17,612.99	\$ 15,000.00	\$ 8,507.00	\$ 15,000.00
3081	BACKHOE REPAIRS	\$ 789.89	\$ 3,000.00	\$ 1,979.00	\$ 3,000.00
3082	LOADER	\$ 321.05	\$ 2,500.00	\$ 833.00	\$ 2,500.00
3083	JOHN DEERE MOWER	\$ 305.28	\$ 1,000.00	\$ -	\$ 1,000.00
3084	POWER WASHER	\$ 4,635.11	\$ 3,000.00	\$ 61.00	\$ 3,000.00
3085	CHAIN SAW	\$ 99.09	\$ 1,000.00	\$ 73.00	\$ 1,000.00
3086	ROADSIDE MOWER	\$ -	\$ -	\$ 100.00	\$ 1,000.00
3500	WINTER CONTROL-PLOW & WING PARTS	\$ 18,520.30	\$ 20,000.00	\$ 13,796.33	\$ 18,000.00
7015	JOHN DEERE GRADER LOAN	\$ 33,232.38	\$ 33,233.00	\$ 33,233.00	\$ 2,780.00
2191	RADIO AND TRUCK LICENSES	\$ 9,935.30	\$ 10,200.00	\$ 9,922.81	\$ 10,000.00
2195	RADIO MAINTENANCE & REPAIR	\$ 2,189.87	\$ 2,500.00	\$ 780.50	\$ 2,500.00
	<b>TOTAL</b>	<b>\$ 229,855.20</b>	<b>\$ 272,433.00</b>	<b>\$ 228,789.80</b>	<b>\$ 266,780.00</b>

## NEW EQUIPMENT (CAPITAL)

7010	VEHICLES - TRUCK		\$ 300,000.00	\$ 153,555.84	\$ 128,349.13
7005	EQUIPMENT (ACCUMULATOR)	\$ 10,888.32	\$ 12,000.00	\$ -	\$ 15,000.00
	GRADER				\$ 500,000.00
	TRUCK - 2 TONNE DUALY PICK-UP				\$ 100,000.00
	PICK-UP EQUIPMENT				\$ 60,000.00
	<b>TOTAL</b>	<b>\$ 10,888.32</b>	<b>\$ 312,000.00</b>	<b>\$ 153,555.84</b>	<b>\$ 803,349.13</b>

GL ACCT # 5005	ROADWAYS EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
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**BRIDGES, CULVERTS, DRAINS**

3100	BRIDGE & CULVERT MTCE	\$ 10,422.97	\$ 20,000.00	\$ 22,428.69	\$ 20,000.00
3111	BRIDGE # 11	\$ 3,533.90	\$ 30,000.00	\$ 31,982.74	\$ 304,500.00
3115	BRIDGE # 13	\$ 27,088.47	\$ 200,000.00	\$ 177,165.92	\$ -
3116	BRIDGE #004 - CLOSURE	\$ 488.45	\$ -	\$ -	\$ -
3100	BRIDGE # 6 - CONSTRUCTION - WATERPROOF/PAVE	\$ -	\$ -	\$ -	\$ 20,000.00
3112	BRIDGE # 2023 ENGINEERING DESIGN	\$ -	\$ -	\$ -	\$ 18,000.00
3850	DRAIN ASSESSMENTS NEW REPORTS	\$ 2,073.36	\$ 1,500.00	\$ -	\$ -
3851	ROAD CROSSINGS DUE TO DRAIN MTCE		\$ 55,000.00	\$ 36,914.25	\$ 55,000.00
7021	CULVERT 2027 LOAN PAYMENT	\$ 40,907.52	\$ 40,908.00	\$ 40,908.00	\$ 40,908.00
3178	30 SIDEROAD CULVERT - EMERG. REPAIR	\$ 53,515.57	\$ -	\$ -	\$ -
3156	CULVERT 2013	\$ 253,186.82	\$ -	\$ 5,401.93	\$ -
3165	CULVERT 2021	\$ 9,517.35	\$ -	\$ 600.00	\$ -
	<b>TOTAL</b>	<b>\$ 400,734.41</b>	<b>\$ 347,408.00</b>	<b>\$ 315,401.53</b>	<b>\$ 458,408.00</b>

**ROADSIDE**

3215	GRASS MOWING & WEED SPRAYING	\$ 4,986.46	\$ 5,500.00	\$ 4,430.69	\$ 5,500.00
3205	BRUSHING - TREE TRIM AND REMOVAL	\$ 19,988.20	\$ 20,000.00	\$ 416.80	\$ 20,000.00
3206	DITCHING	\$ 16,230.72	\$ 25,000.00	\$ 25,838.01	\$ 30,000.00
3322	CATCH BASINS	\$ -	\$ 2,500.00	\$ -	\$ 2,500.00
3610	GUIDE POSTS & HARDWARE	\$ 1,652.30	\$ 2,000.00	\$ -	\$ 2,000.00
3315	SHOULDER MAINTENANCE	\$ 3,819.74	\$ 5,000.00	\$ 1,211.83	\$ 5,000.00
	<b>TOTAL</b>	<b>\$ 46,677.42</b>	<b>\$ 60,000.00</b>	<b>\$ 31,897.33</b>	<b>\$ 65,000.00</b>

**HARDTOP**

3304	PREVENTATIVE MAINTENANCE		\$ 25,728.00	\$ -	\$ 18,000.00
3310	COLD MIX, PATCHING, ROUTINE MTCE	\$ 18,144.65	\$ 45,000.00	\$ 4,301.46	\$ 25,200.00
3320	SWEEPING, FLUSHING, CLEANING	\$ 4,508.99	\$ 5,500.00	\$ 4,854.97	\$ 5,500.00
3321	LINE PAINTING	\$ 2,421.89	\$ 3,000.00	\$ 2,421.89	\$ 3,000.00
	<b>TOTAL</b>	<b>\$ 25,075.53</b>	<b>\$ 79,228.00</b>	<b>\$ 11,578.32</b>	<b>\$ 51,700.00</b>

**LOOSETOP**

3700	CLEARVIEW TOWNLINE			\$ -	\$ -
3750	TOWNLINES	\$ 179.10	\$ 1,000.00	\$ 300.00	\$ 1,000.00
3200	ROADSIDE MAINTENANCE	\$ 955.89		\$ 400.00	\$ 1,000.00
3210	GRAVEL RESURFACING	\$ 272,132.50	\$ 300,000.00	\$ 306,733.13	\$ 335,000.00
3211	GRAVEL MAINTENANCE	\$ 16,652.34	\$ 20,000.00	\$ 19,115.56	\$ 25,000.00
3410	DUST LAYER (CALCIUM CHLORIDE)	\$ 106,245.22	\$ 150,000.00	\$ 135,870.26	\$ 165,000.00
	<b>TOTAL</b>	<b>\$ 396,165.05</b>	<b>\$ 471,000.00</b>	<b>\$ 462,418.95</b>	<b>\$ 527,000.00</b>

GL ACCT #	ROADWAYS EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL	2022 DRAFT BUDGET
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<b>WINTER CONTROL</b>	
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3510	SAND & SALT	\$ 38,490.74	\$ 50,000.00	\$ 33,745.36	\$ 40,000.00
3505	SNOW REMOVAL/BLOWING	\$ 1,223.66	\$ 3,000.00	\$ -	\$ 1,225.00
<b>TOTAL</b>		<b>\$ 39,714.40</b>	<b>\$ 53,000.00</b>	<b>\$ 33,745.36</b>	<b>\$ 41,225.00</b>

<b>ROAD IMPROVEMENT</b>	
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3140	4TH LINE O.S. - PULVERIZING	\$ 4,940.43	\$ -	\$ -	
3130	2ND LINE SW - REHABILITATION	\$ 567,386.41	\$ -	\$ -	\$ 350,000.00
3137	5TH LINE O.S.- CTY RD 17 - 15 SIDEROAD	\$ -	\$ 150,000.00	\$ 153,336.66	\$ -
3134	260 SIDEROAD - HWY 10 TO 2ND LINE SW	\$ -	\$ 300,000.00	\$ 283,042.38	\$ -
3123	CORBETTON - PAVED SHOULDERS	\$ -	\$ 38,669.00	\$ 28,418.67	\$ -
3122	CHURCH STREET - HORNING'S MILLS	\$ -	\$ 50,000.00	\$ 69,097.52	
<b>TOTAL</b>		<b>\$ 572,326.84</b>	<b>\$ 538,669.00</b>	<b>\$ 533,895.23</b>	<b>\$ 350,000.00</b>

<b>RESERVE</b>	
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5030	REPLACEMENT EQUIPMENT RESERVE	\$ 150,000.00	\$ 100,000.00	\$ 100,000.00	\$ 150,000.00
5035	BUILDING MAINTENANCE RESERVE	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>TOTAL</b>		<b>\$ 160,000.00</b>	<b>\$ 110,000.00</b>	<b>\$ 110,000.00</b>	<b>\$ 160,000.00</b>

<b>BUILDING IMPROVEMENTS</b>	
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7041	WORKS BUILDING ROOF REPLACEMENT		\$ 100,000.00	\$ 14,722.26	\$ 119,568.00
<b>TOTAL</b>			<b>\$ 100,000.00</b>	<b>\$ 14,722.26</b>	<b>\$ 119,568.00</b>

<b>TOTAL ROAD EXPENDITURES</b>		<b>\$ 2,459,887.06</b>	<b>\$ 3,032,833.00</b>	<b>\$ 2,545,108.12</b>	<b>\$ 3,539,630.13</b>
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GL ACCT #	ENVIRONMENTAL SERVICES EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL	2022 DRAFT BUDGET
2171	LEVELLING	\$ 237.37	\$ 7,500.00	\$ -	\$ 7,500.00
2105	LANDFILL STUDY/MONITORING	\$ 22,692.48	\$ 22,693.00	\$ 15,833.86	\$ 16,000.00
2190	MISCELLANEOUS	\$ 96.22	\$ 100.00	\$ -	\$ 100.00
7001	REHABILITATION RESERVE	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
	ENVIRONMENTAL/SUSTAINABILITY				\$ 5,000.00
	<b>TOTAL</b>	<b>\$ 33,026.07</b>	<b>\$ 40,293.00</b>	<b>\$ 25,833.86</b>	<b>\$ 38,600.00</b>

GL ACCT #	RECREATION SERVICES EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
5055	CORBETTON PARK		\$ 2,500.00	\$ 21,709.00	\$ 2,500.00
6060	HORNING'S MILLS PARK	\$ 2,716.18	\$ 4,900.00	\$ 169.67	\$ 2,500.00
6065	HORNING'S MILLS COMMUNITY HALL	\$ 1,215.04	\$ 1,230.00	\$ 8,914.75	\$ 12,000.00
6064	HORNING'S MILLS HALL BLDNG NEEDS ASSESS		\$ 5,900.00	\$ 5,801.17	\$ -
6066	HORNING'S MILLS HERITAGE PROJECT	\$ 108.00	\$ 250.00	\$ 369.60	\$ 500.00
6070	CENTRE DUFFERIN RECREATION COMPLEX	\$ 49,050.60	\$ 50,522.00	\$ 50,522.00	\$ 63,550.00
6080	DUNDALK COMMUNITY CENTRE	\$ 14,000.00	\$ 14,000.00	\$ 14,098.00	\$ 14,000.00
6100	NORTH DUFFERIN COMMUNITY CENTRE	\$ 54,410.44	\$ 55,000.00	\$ 53,348.56	\$ 76,758.00
	HERITAGE COMMITTEE				\$ 5,000.00
	<b>TOTAL</b>	<b>\$ 121,500.26</b>	<b>\$ 134,302.00</b>	<b>\$ 154,932.75</b>	<b>\$ 176,808.00</b>

GL ACCT #	CEMETARY EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
8902	HORNING'S MILLS CEMETERY		\$ 5,000.00	\$ 2,150.00	\$ 5,000.00
8904	ST. PAUL'S CEMETERY				
	<b>TOTAL</b>		<b>\$ 5,000.00</b>	<b>\$ 2,150.00</b>	<b>\$ 5,000.00</b>

GL ACCT #	LIBRARY EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
6110	SHELBURNE LIBRARY	\$ 56,817.00	\$ 57,802.00	\$ 57,802.00	\$ 58,500.00
6120	DUNDALK LIBRARY	\$ 8,274.00	\$ 8,350.00	\$ 8,350.00	\$ 8,600.00
	<b>TOTAL</b>	<b>\$ 65,091.00</b>	<b>\$ 66,152.00</b>	<b>\$ 66,152.00</b>	<b>\$ 67,100.00</b>

GL ACCT #	PLANNING SERVICES EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
2100	PROFESSIONAL/LEGAL FEES	\$ 55,421.18	\$ 50,000.00	\$ 52,213.96	\$ 50,000.00
2103	CANNABIS - NWN SCIENTIFIC	\$ 30,110.58		\$ -	\$ -
2105	MELANCTHON CANNABIS REGULATION	\$ 254.40		\$ -	\$ -
2109	NEW ZONING BY-LAW			\$ -	\$ -
2101	LPAT/OLT APPEALS	\$ 25,142.44	\$ 15,000.00	\$ 9,631.88	\$ 15,000.00
2102	LPAT/OLT APPEALS RESERVES				\$ 15,000.00
2304	STRADA OPA/ZBA	\$ 407.04	\$ -	\$ -	\$ -
<b>TOTAL</b>		<b>\$ 111,335.64</b>	<b>\$ 65,000.00</b>	<b>\$ 61,845.84</b>	<b>\$ 80,000.00</b>

GL ACCT #	DRAINAGE EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
3060	DRAINAGE SUPERINTENDENT	\$ 35,213.91	\$ 50,880.00	\$ 34,954.30	\$ 50,880.00
5015 0100	TILE DRAINAGE PRINCIPAL & INT PYMTS	\$ 16,575.90			
3070	NUISANCE BEAVER & BEAVER DAM REMOVAL		\$ 3,000.00	\$ 3,311.94	\$ 4,500.00
<b>TOTAL</b>		<b>\$ 51,789.81</b>	<b>\$ 53,880.00</b>	<b>\$ 38,266.24</b>	<b>\$ 55,380.00</b>

GL ACCT #	RESERVES EXPENDITURES	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
5041	TAX RATE STAB. - HM HALL OPERATING EXPENSES	\$ 6,452.00			
	COVID - SAFE RESTART				\$ 28,000.00
5042	SPECIAL RESERVE FUND EMERGENCY RELIEF	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
<b>TOTAL</b>		<b>\$ 11,452.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 33,000.00</b>

<b>TOTAL EXPENITURER</b>		<b>\$ 4,299,319.80</b>	<b>\$ 4,905,087.00</b>	<b>\$ 4,426,600.13</b>	<b>\$ 5,602,691.92</b>
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GL ACCT #	TAXATION REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
4001 0700	SUPPLEMENTAL TAXES	\$ 94,871.93	\$ 85,000.00	\$ 77,632.00	\$ 85,000.00
4003 0100	PAYMENT IN LIEU	\$ 1,092.14	\$ 1,100.00	\$ 1,907.00	\$ 1,900.00
	<b>TOTAL TAXATION REVENUE</b>	<b>\$ 95,964.07</b>	<b>\$ 86,100.00</b>	<b>\$ 79,539.00</b>	<b>\$ 86,900.00</b>

GL ACCT #	GRANT REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
4004					
150	OMPF	\$ 173,500.00	\$ 174,900.00	\$ 174,900.00	\$ 176,500.00
300	RIDE GRANT	\$ (94.60)	\$ 6,536.00	\$ 6,531.76	\$ 6,600.00
172	COURT SECURITY & PRISONER TRANSPORT	\$ 1,810.00	\$ 1,500.00	\$ 442.00	\$ 1,500.00
500	LIBRARY GRANT	\$ 4,452.00	\$ 4,452.00	\$ 4,452.00	\$ 4,452.00
156	OCIF FUNDING (FORMULA COMPONENT)	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 108,537.00
159	SAFE RESTART AGREEMENT (COVID)	\$ 70,800.00	\$ 18,000.00	\$ 66,341.00	\$ -
700	ONTARIO AGGREGATE LIC. FEE	\$ 122,992.96	\$ 100,000.00	\$ 90,831.00	\$ 100,000.00
100	DRAINAGE SUPERINTENDENT		\$ 25,440.00	\$ 17,477.15	\$ 25,440.00
164	ICIP GRANT (ROADS BLDG ROOF)	\$ -	\$ 100,000.00	\$ -	\$ 92,000.00
	<b>TOTAL COUNCIL REVENUE</b>	<b>\$ 423,460.36</b>	<b>\$ 480,828.00</b>	<b>\$ 410,974.91</b>	<b>\$ 515,029.00</b>

GL ACCT #	ADMINISTRATION REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
4010					
100	TAX CERTIFICATES	\$ 2,720.00	\$ 2,600.00	\$ 3,600.00	\$ 3,000.00
110	TAX STATEMENT/DUPLICATE TAX BILLS	\$ 532.70	\$ 500.00	\$ 650.00	\$ 500.00
115	REMINDER/OVERDUE NOTICE FEE	\$ 2,388.00	\$ 2,400.00	\$ 3,094.00	\$ 3,000.00
200	BUILDING PERMIT APPROVAL	\$ 4,900.00	\$ 4,800.00	\$ 6,900.00	\$ 4,800.00
250	SITE ALTERATION PERMIT APPROVAL			\$ 750.00	\$ -
300	NSF CHEQUE CHARGE	\$ 70.00	\$ 70.00	\$ -	\$ 50.00
400	PHOTOCOPIES	\$ -	\$ -	\$ 1.50	\$ -
4015 0100	DOG LICENCES	\$ 13,498.75	\$ 13,000.00	\$ 12,930.00	\$ 12,000.00
4066 0000	LOTTERY LICENCES	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00
4040 0100	LIVESTOCK CLAIM GRANTS	\$ 6,206.20	\$ 1,000.00	\$ 30.00	\$ 30.00
4064 0000	BUSINESS LICENCES	\$ 1,100.00	\$ 1,000.00	\$ 250.00	\$ 250.00
4050 0460	TRANSFER FROM MMAH-2019 (NEW PHONES)		\$ 10,000.00	\$ 10,000.00	\$ -
	<b>TOTAL ADMINISTRATION REVENUE</b>	<b>\$ 31,435.65</b>	<b>\$ 35,390.00</b>	<b>\$ 38,225.50</b>	<b>\$ 23,650.00</b>

GL ACCT #	FIRE REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
100	FIRE REVENUE	\$ 12,412.50	\$ -	\$ 13,350.00	\$ 500.00
300	FIRE PERMIT	\$ 4,155.00	\$ 4,125.00	\$ 3,720.00	\$ 3,600.00
	<b>TOTAL FIRE REVENUE</b>	<b>\$ 16,567.50</b>	<b>\$ 4,125.00</b>	<b>\$ 17,070.00</b>	<b>\$ 4,100.00</b>

GL ACCT #	ROAD REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
110	ROADS MISC REVENUE	\$ 2,717.67	\$ -	\$ -	\$ 1,000.00
125	ENTRANCE PERMITS	\$ 1,600.00	\$ 1,200.00	\$ 5,900.00	\$ 1,200.00
130	WIDE LOAD PERMITS	\$ 1,040.00	\$ 1,000.00	\$ 1,320.00	\$ 1,320.00
200	CULVERTS			\$ 290.20	\$ -
140	BRETTON ESTATES SNOW PLOWING	\$ 1,035.00	\$ 900.00	\$ 900.00	\$ 900.00
500	SHELBURNE ROAD AGREEMENT		\$ 5,400.00	\$ 5,648.00	\$ 5,660.00
	<b>TRANSFER FROM RESERVES</b>				
700	TRFR FROM DEV. CHG. (BRIDGE 2003)	\$ 30,366.20			
703	TRFR FROM GAS TAX	\$ 100,000.00	\$ 200,000.00	\$ 200,000.00	\$ 204,500.00
704	TRFR FROM ROAD CAPITAL RESERVE	\$ 100,000.00		\$ -	
702	TRFR FROM EQUIPMENT RESERVE - TRUCK		\$ 300,000.00	\$ 170,000.00	\$ 628,350.00
0	TRFR FROM WORKING CAPITAL RESERVE	\$ 430,037.00	\$ 150,000.00	\$ 150,000.00	\$ 250,000.00
460	TRFR FROM MMAH-2019 (BRIDGE 13 DECK SURVEY)	\$ 8,237.47		\$ -	
700	TRFR FROM DEV CHG (5TH LINE)		\$ 39,000.00	\$ 39,000.00	\$ -
460	TRFR FROM MMAH-19 (CORBETTON-PAVED SHOULDER)		\$ 38,669.00	\$ 28,418.67	
	<b>TOTAL ROADS REVENUE</b>	<b>\$ 675,033.34</b>	<b>\$ 736,169.00</b>	<b>\$ 601,476.87</b>	<b>\$ 1,092,930.00</b>

GL ACCT #	PLANNING REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
100	OFFICIAL PLAN APPLICATION			\$ 5,500.00	\$ -
310	SITE PLAN APPLICATION FEES			\$ -	\$ -
350	ZONING BY-LAW AMENDMENT	\$ 10,500.00	\$ 10,000.00	\$ 15,700.00	\$ 10,000.00
300	CONSENT APPLICATIONS	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00	\$ 7,000.00
325	MINOR VARIANCE	\$ 1,000.00	\$ 1,000.00	\$ 4,000.00	\$ 1,000.00
200	ZONING REQUESTS	\$ 1,200.00	\$ 1,200.00	\$ 2,400.00	\$ 1,700.00
360	CHANGE OF USE CERTIFICATE APPLICATION	\$ 1,000.00		\$ 2,500.00	\$ -
370	TELECOMMUNICATION FACILITIES APPLICATION	\$ 150.00			\$ -
375	PRE-APPLICATION CONSULTATION	\$ 3,250.00			\$ -
500	PROFESSIONAL SERVICES REIMBURSEMENT	\$ (12,729.55)		\$ 18,300.00	\$ -
565	NWN INC. REIMBURSEMENT	\$ 10,000.00		\$ 25,862.57	
	<b>TOTAL PLANNING REVENUE</b>	<b>\$ 21,370.45</b>	<b>\$ 19,200.00</b>	<b>\$ 81,262.57</b>	<b>\$ 19,700.00</b>

GL ACCT # 4050	OTHER REVENUE	2020 ACTUAL YEAR END	2021 FINAL BUDGET	2021 ACTUAL AS AT MAR 17, 22	2022 DRAFT BUDGET
100	MISCELLANEOUS REVENUE	\$ (24.46)	\$ 100.00	\$ 1,127.74	\$ 500.00
125	CHD COMMUNITY CONTRIBUTION	\$ 309,000.00	\$ 309,000.00	\$ 309,000.00	\$ 309,000.00
130	PLATEAU COMMUNITY CONTRIBUTION	\$ 33,438.50	\$ 33,000.00	\$ 32,964.00	\$ 33,000.00
135	DWP COMMUNITY CONTRIBUTION	\$ 268,995.76	\$ 265,000.00	\$ 265,000.00	\$ 265,000.00
200	PENALTIES AND INTEREST ON TAXES	\$ 105,841.09	\$ 95,000.00	\$ 97,041.41	\$ 95,000.00
300	INTEREST ON DEPOSITS	\$ 22,776.27	\$ 15,000.00	\$ 11,500.00	\$ 11,000.00
400	POA	\$ 7,838.68	\$ 10,000.00	\$ 2,813.00	\$ 6,000.00
4025 0220	ELECTRONIC RECYCLING REVENUE	\$ 54.90	\$ -	\$ -	\$ -
4077 0000	LAND RENTAL	\$ 2,550.00	\$ 2,550.00	\$ 2,550.00	\$ 2,550.00
4050 0460	TRANSFER FROM MMAH-2019	\$ 18,303.17	\$ -	\$ -	
4050 0460	HORNING'S MILLS PK (TRFR FROM MMAH 19)	\$ 15,000.00	\$ -	\$ -	
4004 0166	HORNING'S MILLS PK (TRFR FROM MAIN ST REV.)	\$ 15,000.00	\$ -	\$ -	
4050 0460	CORBETTON PARK (TRFR FROM MMAH-19)	\$ 15,000.00	\$ -	\$ 7,211.92	
4004 0166	CORBETTON PARK (TRFR FROM MAIN ST REV)	\$ 10,000.00	\$ -	\$ -	
4050 0460	HORNING'S MILLS HALL (TRFR FROM MMAH)	\$ 6,452.00	\$ -	\$ -	
002 01400	TILE DRAIN	\$ 16,575.90			
4004 0166	TRFR FROM MAIN ST. (FLAGS)	\$ 8,956.94	\$ -	\$ -	
4050 0460	TRFR FROM MMAH-2019 (NDCC REC)	\$ 20,000.00	\$ -	\$ -	
4050 0460	TRFR FROM MMAH-2019 (SIGN/FLAG)			\$ 32,279.19	
4050 0460	TRFR FROM MMAH-2019 IPADS RDS COMPUTER				\$ 5,500.00
4050 0460	TRFR FROM COVID FUNDING		\$ -	\$ -	\$ 28,000.00
4050 0460	TRFR FROM MMAH-2019 (HM BLDG NEEDS ASS)		\$ 5,900.00	\$ 5,900.00	
4050 0460	TRFR FROM TAX STABILIZATION (LEGALS)				\$ 15,000.00
4013 0200	TRFR FROM DEV CHG (SPEED SIGN)(GRADER)	\$ 6,250.60	\$ -	\$ 6,250.60	\$ 175,000.00
	<b>TOTAL OTHER REVENUE</b>	<b>\$ 882,009.35</b>	<b>\$ 735,550.00</b>	<b>\$ 773,637.86</b>	<b>\$ 945,550.00</b>
	<b>TOTAL REVENUE</b>	<b>\$ 2,145,840.72</b>	<b>\$ 2,097,362.00</b>	<b>\$ 2,002,186.71</b>	<b>\$ 2,687,859.00</b>
	<b>TOTAL EXPENDITURER</b>	<b>\$ 4,299,319.80</b>	<b>\$ 4,905,087.00</b>	<b>\$ 4,426,600.13</b>	<b>\$ 5,602,691.92</b>
		<b>\$ 2,153,479.08</b>	<b>\$ 2,807,725.00</b>	<b>\$ 2,424,413.42</b>	<b>\$ 2,914,832.92</b>
				<b>INCREASE</b>	<b>3.81%</b>



Schedule C  
CALCULATION OF LOWER TIER TAX RATES

SCHEDULE A to BY-LAW -2022		TOWNSHIP OF MELANCTHON		
TOWNSHIP OF MELANCTHON		TOWNSHIP OF MELANCTHON		
2022 TAX RATES & LEVIES		TOWNSHIP OF MELANCTHON		
Property Class		Tax Class	Township of Melancthon 2022	Township of Melancthon
		Tax Rates	CVA	Tax Levy
Residential	RT	0.495430%	\$431,872,000.00	\$2,139,621.75
Residential Payment In Lieu	RH	0.495430%	\$0.00	\$0.00
Commercial Full (Occupied)	CT	0.604424%	\$7,199,900.00	\$43,517.93
Commercial Vacant Land	CU	0.423097%	\$401,700.00	\$1,699.58
Commercial Excess Land	CX	0.423097%	\$68,000.00	\$287.71
Commercial New Const. Full	XT	0.604424%	\$3,050,300.00	\$18,436.75
Commercial New Const. Excess Land	XU	0.423097%	\$0.00	\$0.00
Industrial (Occupied)	IT	1.089152%	\$11,496,200.00	\$125,211.14
Industrial Excess Land	IX	0.762407%	\$141,000.00	\$1,074.99
Industrial New Const. Full	JT	1.089152%	\$27,442,300.00	\$298,888.48
Industrial New Const. Excess Land	JU	0.762407%	\$0.00	\$0.00
Large Industrial Excess Land	LU	0.762417%	\$0.00	\$0.00
Pipeline	PT	0.417201%	\$1,939,000.00	\$8,089.53
Farmlands	FT	0.108995%	\$251,367,400.00	\$273,976.67
Managed Forest	TT	0.123857%	\$3,252,500.00	\$4,028.46
<b>TOTAL AMOUNTS TO BE RAISED</b>			<b>\$738,230,300.00</b>	<b>\$2,914,833.00</b>



## REPORT

**TO:** Mayor White and Members of Council

**FROM:** Denise B. Holmes, AMCT, CAO/Clerk

**MEETING DATE:** April 7, 2022

**SUBJECT:** Municipal Election – Use of Corporate Resources Policy

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### RECOMMENDATION:

THAT Council approve the Use of Corporate Resources for Municipal Elections Policy as presented.

### PURPOSE:

The purpose of this Report is to present the Use of Corporate Resources for Municipal Elections Policy for consideration by Council.

### BACKGROUND:

Under Section 88.18 of the Municipal Elections Act, 1996 (MEA), the Township is required to establish rules and procedures with respect to the use of municipal resources during the election campaign period before May 1<sup>st</sup> of the election year. The purpose of the Policy is to provide a consistent approach and direction regarding the use of Corporate Resources during the election campaign period in accordance with the MEA and clarify that all candidates and third parties, including Members of Council, are required to follow the provisions of the Act.

Attached as Schedule A to this Report, is the Use of Corporate Resources for Municipal Elections Policy that staff are recommending for approval for the 2022 Election and any election thereafter.

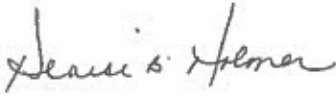
The approved Policy will be placed on the Township Website under the Elections Webpage and will be included in all Candidate and Third-Party Advertiser information packages.

CB# 18.2.1  
APR 07 2022

**FINANCIAL IMPACTS:**

None.

Respectfully submitted,

A handwritten signature in cursive script that reads "Denise B. Holmes".

Denise B. Holmes, AMCT  
CAO/Clerk

Schedule A – Use of Corporate Resources for Municipal Elections Policy



## Use of Corporate Resources for Municipal Elections Policy

### POLICY STATEMENT

1. The Township of Melancthon is committed to ensuring accountable and transparent election practices relating to the use of municipal resources.

### SCOPE

2. This policy applies to all members of Council, Registered Election Candidates (including acclaimed candidates), Registered Third Parties, municipal and local board employees and members of the public.

### PURPOSE

3. This Policy is intended to:
  - a) ensure compliance with the Municipal Elections Act, 1996, S.O. 1996, c. 32, as amended, with respect to the role of the Township in contributing to a municipal and trustee election campaign.
  - b) ensure Candidates and Registered Third Parties are treated fairly and consistently within the municipality.
  - c) ensure the integrity of the election process is always maintained.
  - d) establish the appropriate use of resources during an election period, in order to:
    - i. protect the interests of Members of Council, Candidates, Registered Third Parties, Staff and the Corporation; and
    - ii. ensure accountable and transparent election practices.

### DEFINITIONS

4. For the purpose of this policy, the following definitions apply:

**Act** - means the Municipal Elections Act, 1996, S.O. 1996, c. 32, as amended.

**Candidate** - means a person who has filed a Nomination Form for an office pursuant to section 33 of the Act and includes a person who has filed a

nomination for election to a school board pursuant to the Education Act, R.S.O. 1990, c. E.2, as amended.

**Clerk** - means the Clerk of the Township of Melancthon or their designate.

**Corporate Resources** - means real property, goods and/or services owned, controlled, leased, acquired, or operated by the Township including but not limited to facilities, parks, materials, equipment, monetary funds, technology, Township IT system and resources, databases, websites, social media, intellectual property, and supplies.

**Election Day** - for a regular election is the fourth Monday in October in the year of the election, as prescribed by the Municipal Elections Act, 1996.

**Members of Council** - means the Council of the Township of Melancthon.

**Member** - means a Member of the Council of the Township of Melancthon.

**Policy** - means this Use of Corporate Resources for Municipal Elections Policy.

**Registered Third Party** - means an individual, corporation or trade union that has filed a Notice of Registration as a third-party advertiser in the municipal election.

**Staff** - means all full-time, part-time and contract persons hired by the Township.

**Township** - means The Corporation of the Township of Melancthon.

## **POLICY**

5. No Person with access to or control of Corporate Resources shall use Corporate Resources for the purposes of an election or contribute or allow the contribution of Township Resources for campaign-related purposes.
6. For greater clarity from May 1<sup>st</sup> of the municipal election year until the Inaugural Meeting in December, inclusive, Members of Council, Candidates and Third-Party Advertisers shall not:
  - a) Use the Township crest, logo, brand, coat of arms, letterhead, slogan or other such municipally owned property in campaign-related material either in print or digital format.
  - b) Use the Township website, domain names, or social media accounts in campaign-related material either in print or digital format.
  - c) Use the Township voicemail system to record election-related messages.
  - d) Use the Township computer network (including the Township's email system) for election-related correspondence.



- e) Use any photographs or video material produced for and owned by the Township or any photos taken utilizing Township equipment or sent through Township email accounts for any election-related purposes.
  - f) Use corporate information technology (IT) assets, infrastructure or data (i.e. computers, iPads, corporate email, web pages, social media links, portals, photocopiers, scanners, fax machines or telephones or other equipment owned by the Township of Melancthon), to respond to or communicate campaign-related messages.
  - g) Benefit from the use of any Township pricing established under the Township's procurement policy.
  - h) Use any Council or Councillor budgets for election-related purposes or to advertise, promote or support any Candidate or Registered Third Party, or any position related to any questions which may be authorized to be placed on the ballot.
  - i) Print or distribute any material paid for by municipal funds that illustrates that a member of Council or any other individual is registered in any election or where they will be running for office.
  - j) Profile (name or photograph), or make reference to, in any material paid for by municipal funds, any individual who is registered as a Candidate in any election.
  - k) Print or distribute any material using municipal funds that makes reference to, or contains the names, photographs, or identifies registered Candidates for municipal elections.
  - l) Use Township property or staff in any campaign photos.
  - m) Use any municipal facility/property for any election-related purpose unless a rental fee has been established and the rental of such is available to all candidates and Registered Third Parties. Notwithstanding the foregoing, no facility/property shall be rented or used for any municipal election-related purpose by members of Council, candidates, Registered Third Parties, or the public during any day that voting is taking place on the property, including set-up, hosting, or take-down activities.
7. To avoid any confusion with official websites and social media accounts used for Township, members of Council, Candidates and Registered Third Parties who choose to create or use their own websites or social media accounts shall, throughout the period from May 1<sup>st</sup> of the municipal election year until the date of the inaugural meeting in December, inclusive, include a clear statement, easily found and readable, on each website or social media account's home page indicating that the account is being used personally or for election campaign purposes and is not associated with the Township.
8. All staff shall:

- a) Behave in a manner that is impartial, fair and unbiased toward all registered candidates and third parties.
  - b) Consult with their direct Supervisor prior to agreeing to perform any task requested by a member of Council, Candidate, or Registered Third Party that exceeds their normal duties or could be construed as contributing to an election campaign.
  - c) Not rent any corporate facility/property for any municipal election-related purpose to members of Council, candidates, third parties or the public during any day that voting is taking place anywhere on the property, including set-up, hosting, or take-down activities.
  - d) Not canvass or actively work in support of a municipal candidate or third party during normal working hours unless they are on a leave of absence without pay, lieu time, float day or vacation leave
  - e) Take care to separate personal activities from their official positions.
  - f) Request and obtain a leave of absence without pay should they wish to run for federal, provincial, or municipal office and abide by the respective legislation governing such elections.
9. To avoid a perceived conflict of interest, staff are discouraged from assisting with or having any involvement in municipal election campaigns, including posting election signs on their property, phone and e-mail solicitations, signing nomination papers, distribution of brochures and wearing candidate buttons.
10. Staff may be involved in provincial and federal campaigns as long as this involvement does not affect the objectivity with which they must discharge their duties as a representative of the Township.

## **ADMINISTRATION**

11. Staff are authorized and directed to take the necessary action to give effect to this policy.
12. The Integrity Commissioner, if appointed, may at any time be consulted by members of Council with regard to complying with any part of this policy and will be responsible for enforcement of this policy through Council's Code of Conduct. If an Integrity Commissioner is not appointed, the Clerk shall be responsible for the enforcement.
13. Nothing in this policy shall preclude a member of Council from performing their duties as a member of Council
14. During an election, responses to information requests from a Candidate or Registered Third Party will be provided to Council and all Candidates in a manner deemed appropriate by the Clerk. It is at the Clerk's discretion to determine if a

request for information from members of Council, who are also Candidates, is made in the capacity as a member of Council or as a Candidate, bearing in mind the requirement for fair and transparent treatment of all Candidates.

15. The Clerk is delegated the authority to make administrative changes to this policy that may be required from time to time due to legislative changes or if, in the opinion of the Clerk, the amendments do not change the intent of the policy.



**STAFF REPORT**

**TO:** Council  
**FROM:** Tracey Atkinson, CAO/Clerk/Planner  
Heather Boston, Treasurer  
**MEETING DATE:** April 6, 2022  
**SUBJECT:** NDCC Board of Management

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**PURPOSE:**

The purpose of this report is to present Council with a motion passed by the NDCC Board regarding the 2022 NDCC Budget and resignation of Mulmur's citizen representative, Keith Lowry.

**BUDGET ANALYSIS:**

The Township of Mulmur entered into a Joint Recreation Agreement with the Township of Melancthon for the operation and management of the North Dufferin Community Centre in 2017. The joint recreation agreement was amended and approved by each municipality in October, 2021.

As per the agreement, the two municipalities agree to joint operations and management of the NDCC which includes "all land, buildings, improvements, equipment and chattels".

In addition, the NDCC Board is responsible for presenting the annual budget to each Township for approval no later than October 31<sup>st</sup>.

At their regular meeting on March 14, 2022, the NDCC Board of Management passed the following motion:

*-Moved by White, Seconded by Noble, the NDCC Board of Management recommends that the play structure and cenotaph repairs and maintenance be approved and paid by Mulmur Township. Further, the NDCC Budget be adjusted to reflect these changes. AND FURTHER; that this motion be sent to Melancthon and Mulmur Councils for each to approve. Carried.*

**FINANCIAL IMPACTS:**

Costs associated with the NDCC parklands include but are not limited to grass cutting, maintenance and operation of the baseball diamond, play structure and cenotaph.

Baseball diamond rentals carry a potential revenue stream. Baseball diamond rates are set in the Township's user fees schedule and would be equal to those at the Mansfield Community Park.

Repairing the cenotaph would cost approximately \$5700. The Township of Mulmur has \$8160 allocated in the 2022 budget for Cemetery-Rehab & Repair. No additional cost to the Township would be incurred in 2022.

The Township budgeted \$50,000 as a transfer to the NDCC Building Reserve in 2022 that can be used for the replacement of the Honeywood play structure.

**VACANCY ANALYSIS:**

At the regular Council meeting on February 2, 2022 Council discussed the NDCC Board. Mayor Horner confirmed her willingness to attend NDCC Board meetings as ex-officio to ensure quorum is achieved. Council passed the following motion:

**Moved by Boxem and Seconded by Clark**

THAT Council receive the report of Tracey Atkinson regarding NDCC updates, and that staff be directed to:

- advertise to fill the representative's vacancy for a Mulmur representative to ensure that the Board has sufficient members to maintain quorum;
- monitor the grant application for redevelopment of the NDCC facility and meet with Melancthon staff to discuss changes to the agreement that may be necessary should the Townships be successful on the grant application.

AND THAT Council expresses grave concern with the January motion of Melancthon Council and ask for clarification as to what "full-scale review of our participation in the Agreement" means in light of the work done over the past year to develop a working partnership with Melancthon to move forward in the redevelopment of the NDCC facility.

	Yea	Nay
Councillor Boxem	Y	
Councillor Clark	Y	
Councillor Cufaro	Y	
Deputy Mayor Hawkins	Y	
Mayor Horner	Y	

CARRIED.

On March 30, 2022, Keith Lowry, one of Mulmur's citizen representatives on the NDCC Board of Management, tendered his official resignation. It is noted that the Township of Melancthon currently has two citizen vacancies on the NDCC Board.

Mulmur continues to experience difficulties maintaining citizen representation on the NDCC Board and Advisory Committees. Boards and Committees are experiencing a decrease in attendance, difficulties achieving quorum and the inability to fill vacant positions. The current NDCC Board Composition, as detailed in the Agreement is as follows:

*The Board shall have eight (8) members, all of whom have voting rights. The Board shall be comprised of one (1) member of Council from each of Mulmur and Melancthon, two (2) community members from each of Mulmur and Melancthon, and two (2) other community members-at-large. The Board shall recommend nominated candidates, drawn from community applicants to the parties. The Board members shall be appointed by both parties by resolution. In the event of a disagreement, each party shall appoint 3 community members of its choice to the Board. Nominated candidates shall serve for a term of which they are appointed. The parties shall also have the power to designate the appointed Council representatives to the Board, and may set their term on the Board, not to exceed the term of the Council on which they sit. The quorum of the Board shall be five (5).*

Greater Council representation on the NDCC Board of Management would address the difficulties currently facing the Township in securing and maintaining citizen representation, as well as ensure fiscal accountability for the use of taxpayers dollars.

Citizen representation continues to be a valued contribution to the operation and management of the NDCC Board. Current appointments expire on November 14, 2022 with the current term of Council. Compositional changes would ensure the continued operation of the NDCC Board of Management within election years and maintain quorum while also maintaining a level of citizen involvement from each municipality.

#### **STRATEGIC PLAN ALIGNMENT:**

1. Growing a Prosperous Mulmur: Responsibly managing the fiscal resources of Mulmur and providing opportunities for success.
3. Growing a Supportive Mulmur: Providing local services to support the needs of Mulmur residents and businesses.

#### **RECOMMENDATION:**

THAT Council receive the report of Tracey Atkinson, CAO/Clerk/Planner and Heather Boston, Treasurer, NDCC Board of Management and motion of the NDCC Board of Management;

AND THAT Council supports the NDCC motion in principle;

AND THAT Council directs staff to make a one-time exception to the Joint Recreation Agreement removing the parklands and cenotaph from the 2022 NDCC Budget;

AND THAT Council request the Joint Recreation Committee reconvene to consider an amendment to the Joint Recreation Agreement to reflect proposed budgetary and compositional changes prior to the 2023 budget deadline of October 31, 2022;

AND THAT Council defer filling the citizen vacancy on the NDCC Board of Management and that the Mayor continue to attend in an ex-officio capacity for the remainder of the term to ensure representation and quorum are achieved;

AND FURTHER THAT a copy of this resolution be forwarded to the Township of Melancthon and NDCC Board of Management.

Respectfully submitted,

Tracey Atkinson

Tracey Atkinson, CAO/Clerk/Planner

Heather Boston

Heather Boston, Treasurer

Schedule A – NDCC Motion

Schedule B – Keith Lowry Resignation Letter



*The Corporation of*

**THE TOWNSHIP OF MELANCTHON**

157101 Highway 10, Melancthon, Ontario, L9V 2E6

Telephone - (519) 925-5525

Fax No. - (519) 925-1110

Website: [www.melancthontownship.ca](http://www.melancthontownship.ca)

Email: [info@melancthontownship.ca](mailto:info@melancthontownship.ca)

**MEMORANDUM**

**TO: MAYOR WHITE AND MEMBERS OF COUNCIL**

**FROM: DENISE B. HOLMES, AMCT, CAO/CLERK**

**SUBJECT: AMENDMENT TO TOWNSHIP SOCIAL MEDIA POLICY**

**DATE: MARCH 31, 2022**

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At the meeting of Council held on March 17, 2022, Council approved an amendment to the Township's Social Media policy as follows:

- Statements made on any personal Social Media Platform made by a Member of Council or a Member of Staff does not necessarily reflect the position of Council or the Township.

The amendment has been included under the "Disclaimer of Liability" section in the Social Media Policy and is attached for approval.

Motion – that Council approve the amended Township Social Media Policy as presented.

GB# 18.4.1  
APR 07 2022





# THE CORPORATION OF THE TOWNSHIP OF MELANCTHON

## SOCIAL MEDIA POLICY

Adopted by Council on: September 2, 2021

Amended by Council on: April 7, 2022\*

The Township of Melancthon is committed to increasing communication efforts with the public via social media and to increase traffic to the Township's website. This policy will ensure consistent standards in providing information to the public via social media. Social media can greatly enhance our municipal brand and can facilitate business development, job growth and community pride.

### **Strategic Plan Alignment:**

Strategic Objective: Quality of life - Enhanced amenities and services for residents and visitors.

### **Scope:**

This policy applies to all forms of internet-based technologies for social media including, but not limited to: Twitter, YouTube, Facebook, Flickr, Instagram etc. Schedules attached outline the social media sites currently approved by Council.

### **Application:**

Social networking applications will be executed with the following guidelines:

- Information pertaining to Township events and/or activities
- Information pertaining to Township services
- Information pertaining to Public Health and Safety if possible (eg. road closures, inclement weather, etc.)
- Information pertaining to Emergency Services
- Any other information at the discretion of the CAO

**General Guidelines:**

The Township of Melancthon's website: [www.melancthontownship.ca](http://www.melancthontownship.ca) will remain the Township's primary and predominant internet presence for in-depth information, forms, and online documents. All social media usage will direct visitors back to the appropriate section of the website if possible.

The general upkeep and communications for the Township's social media will be managed by Township staff at the discretion of the CAO during normal business hours only.

Any user and/or content that is deemed to be inappropriate, which includes but is not limited to: obscene, derogatory, pornographic, discriminatory, sexual, racist, personal attacks, insults, profane language, illegal, threats, potentially libelous statements, copyrighted, plagiarized, private or personal (without consent), spam or information that may tend to compromise the safety or security of the public or public systems will be removed immediately.

**Committees/Boards use of Social Media:**

Committees/boards cannot use Township branding when promoting events on any social media platforms without the express permission of the Township.

**Disclaimer of Liability:**

The Township of Melancthon shall not be held liable for any improper or incorrect use of the materials or information utilized with social media and assumes no responsibility for any user's use of them, either indirectly or directly. The Township reminds visitors to our social media pages, that these events are not necessarily endorsed by the Township and that the Township assumes no liability for same. All comments or other content posted via social media may be considered public records and be subject to public disclosure under MFIPPA.

Statements made on any personal Social Media Platform made by a Member of Council or Member of Staff does not necessarily reflect the position of Council or the Township.\*



## **SCHEDULE 1 TO SOCIAL MEDIA POLICY TOWNSHIP OF MELANCTHON TWITTER TERMS OF USE**

### **Introduction:**

Twitter is a 'microblogging' platform which allows users to post and exchange short messages (up to 140 characters in length) and converse publicly with other users via a mobile phone or web browser. Twitter allows users to share links to online information, publish photographs and share other media such as video. Apart from direct messages exchanged between users, all messages (or 'tweets') are public and visible to all for review, comment and sharing.

### **Availability:**

The Township of Melancthon updates and periodically monitors its Twitter account during regular business hours (excluding holidays) Monday to Friday 8:30 am to 4:30 pm. Twitter may occasionally be unavailable and the Township of Melancthon accepts no responsibility of service due to Twitter downtime.

### **Following:**

The Township of Melancthon does not automatically follow organizations or individuals who follow the Township.

The Township may follow relevant organizations including government agencies, organizations in the health or emergency sector and other parties where there is a clear link in communicating and receiving pertinent public information. The Township of Melancthon will generally not follow individuals unless they are known in a professional capacity and satisfy the business rule above. Being followed by the Township of Melancthon does not imply endorsement of any kind.

### **Unfollowing:**

As part of account maintenance and monitoring, the Township of Melancthon will regularly review accounts it is following. This may result in unfollowing accounts.

**Privacy:**

The Township of Melancthon does not capture or record the contact details of parties following its Twitter accounts. Any information identified or deemed confidential or private is treated in accordance with Twitter's Privacy Policy.

**@Replies and Direct Messages:**

The Township of Melancthon welcomes feedback and ideas from its followers. We read all @replies and direct messages are read to ensure that any emerging themes or helpful suggestions are forwarded to the appropriate department for their information. The Township of Melancthon may issue a general response and/or update when deemed appropriate. The usual ways of contacting the Township of Melancthon for official correspondence are detailed in the Contact Us section of the Township of Melancthon website.

**Hashtags (#):**

It is a convention among Twitter users to distinguish content using semantic tags (keywords) preceded by a # sign. This enables users to search and filter information based on keywords and share information more meaningfully. Hashtags also allow users to quickly identify 'trending' topics (as displayed on the Twitter.com homepage). The Township of Melancthon's official hashtag is #Melancthon.

**Re-tweeting:**

The Township of Melancthon actively seeks opportunities to re-tweet content that contributes to the dissemination and exchange of useful information about the Township of Melancthon and related topics.



## **SCHEDULE 2 TO SOCIAL MEDIA POLICY TOWNSHIP OF MELANCTHON FACEBOOK TERMS OF USE**

### **Introduction:**

Facebook is a social networking platform which allows users to post and exchange messages and converse publicly with other users via a mobile phone or web browser. Facebook allows users to share links to online information, publish photographs and share other media such as video. Apart from private messages exchanged between users, all messages are public and visible to all for review, comment and sharing. Melancthon Township reserves the right to turn messaging and conversations on or off at its discretion.

### **Availability:**

The Township of Melancthon updates and periodically monitors its Facebook account during regular business hours (excluding holidays) Monday to Friday 8:30 am to 4:30 pm. Facebook may occasionally be unavailable and the Township of Melancthon accepts no responsibility of service due to Facebook downtime.

### **Following (Like):**

The Township of Melancthon does not automatically follow organizations or individuals who follow the Township. The Township may follow relevant organizations including government agencies, organizations in the health or emergency sector and other parties where there is a clear link in communicating and receiving pertinent public information. The Township of Melancthon will generally not follow individuals unless they are known in a professional capacity and satisfy the business rule above. Being followed by the Township of Melancthon does not imply endorsement of any kind.

### **Unfollowing:**

As part of account maintenance and monitoring, the Township of Melancthon will regularly review accounts it is following. This may result in unfollowing accounts.

**Privacy:**

The Township of Melancthon does not capture or record the contact details of parties following its Facebook accounts. Any information identified or deemed confidential or private is treated in accordance with Facebook's Privacy Policy.

**Replies and Private Messages:**

The Township of Melancthon welcomes feedback and ideas from its followers. We read all replies and private messages are read to ensure that any emerging themes or helpful suggestions are forwarded to the appropriate department for their information. The Township of Melancthon, at their discretion, may issue a general response and/or update when deemed appropriate. The usual ways of contacting the Township of Melancthon for official correspondence are detailed in the Contact Us section of the Township of Melancthon website.

**Likes and sharing:**

The Township of Melancthon actively seeks opportunities to like and share content that contributes to the dissemination and exchange of useful information about the Township of Melancthon and related topics.

**Measurement:**

Facebook success will be measured through the number of friends following the Township of Melancthon, and the number of likes specific content gets. It can also be monitored by increased web traffic related to certain posts.



*The Corporation of*

**THE TOWNSHIP OF MELANCTHON**

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**MEMORANDUM**

**TO: MAYOR WHITE AND MEMBERS OF COUNCIL**

**FROM: DENISE B. HOLMES, AMCT, CAO/CLERK**

**SUBJECT: DRAFT HORNING'S MILLS COMMUNITY HALL RENTAL AGREEMENT  
COMMENTS FROM TOWNSHIP SOLICITOR AND INSURANCE**

**DATE: APRIL 1, 2022**

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At the meeting of Council held on March 17, 2022, Council reviewed a draft Rental Agreement for the Horning's Mills Community Hall and directed Staff to send it to the Township's Solicitor and Insurer for review and comment.

Attached to this Memo is a red-lined version of the draft Rental Agreement from the Township's Solicitor, as well as comments from the Risk Management Department of Intact Insurance.

GB# 18.4.2  
APR 07 2022

**Horning's Mills Community Hall**

**RENTAL AGREEMENT**

**Between:**

**Horning's Mills Community Hall Board**

**And**

\_\_\_\_\_  
(the "Renter")  
For use of the Horning's Mills Community Hall at 14 Mill Street ( the "Hall")

This Hall Rental Agreement (the "Agreement") is made this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ and is in effect until the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

Between: Horning's Mills Community Hall Represented by: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

-and-

Represented by: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Renter: \_\_\_\_\_  
(Please Print)  
MUST BE OVER 18 YEARS OF AGE

For the Rental of the following area(s) of the Hall.

\_\_\_\_\_

In consideration of the Township of Melancthon and the Horning's Mills Hall Board permitting the renter to use the hall the renter agrees as follows:

1. The Horning's Mills Community Hall Board hereby grants to the Renter a licence to use those facilities in the Hall as more particularly described above on the following date(s) and time(s):

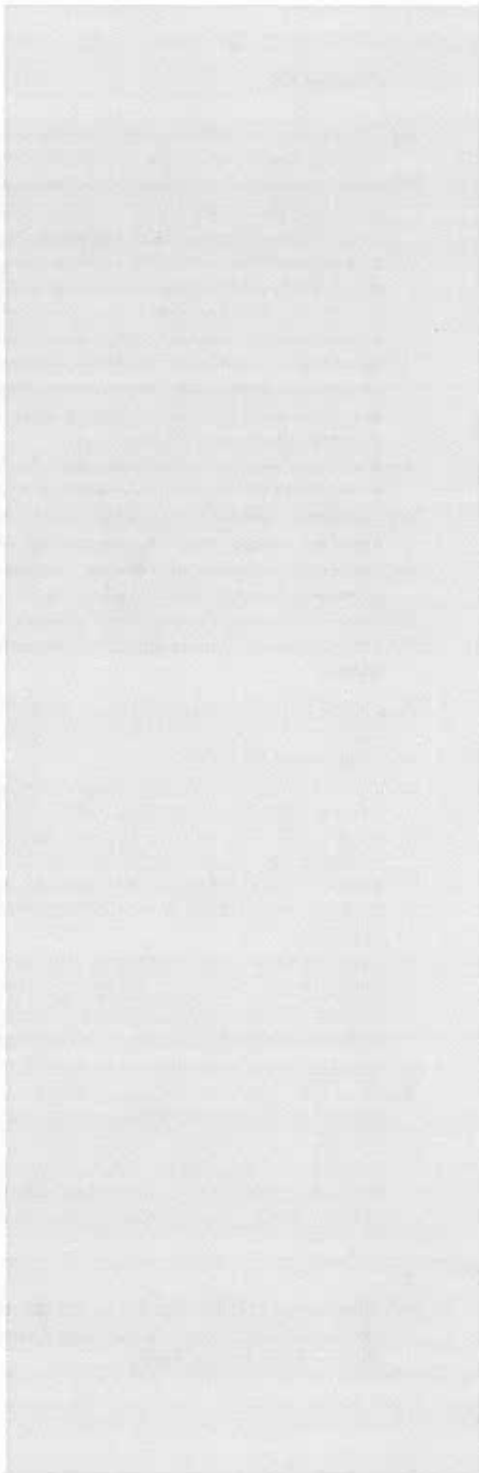
Date(s): \_\_\_\_\_

Time(s): \_\_\_\_\_

Area(s): \_\_\_\_\_

Price: \_\_\_\_\_

Deposit: \_\_\_\_\_





Cleaning Fee: \_\_\_\_\_

~~2.1. This Agreement includes the specified areas of the Horning's Mills Community Hall. All points in this agreement are in reference to these areas unless otherwise specified.~~

~~2.1. The Renter does hereby release, remise and forever discharge, and agrees to indemnify and save harmless the Horning's Mills Hall Board and the Corporation of the Township of Melancthon, its Councillors, officers, executives, directors, officials, employees, agents, servants and representatives (hereinafter referred to as "the Releasees") from and against all claims, actions, costs, expenses, (including legal expenses and costs of a solicitor and his own client basis) and demands made by anyone in respect of death, injury, loss and damage to any person or property, howsoever caused arising out of or in connection with or during the use of the Hall and notwithstanding that the same may have been caused by, contributed to or occasioned by the breach of contract, breach of common duty of care as an occupier of premises, or otherwise of or by the Releasees. The foregoing applies to all claims, foreseen or unforeseen, including negligence and breach of statutory or other duty of care (including that owed under the Occupier's Liability Act).~~

~~4.1. The Renter Waives any and all claims the Renter has or may have in the future against the Releasees arising from this Agreement or the use of the Hall.~~

~~5.1. The Renter agrees to assume all risks, both known and unknown, and all consequences thereof, arising out of or in connection with the use of the Hall.~~

~~6.1. The Renter, including its officers, volunteers, agents, employees, invitees, officials, players, coaches, trainers and contractors will adhere to all rules, regulations, policies and conditions regarding the Hall.~~

~~7.1. Rental fee is payable two weeks before rental date. Rental includes all utilities.~~

**2. Cancellation of Rental requires at least two (2) business days. Otherwise, the Renter will lose the deposit.**

**3. Should the payment continue to be in arrears after 30 days of the invoice, the Township may suspend the right of the contract holder to use the public space, facilities or properties within its jurisdiction until all arrears are paid in full.**

**4. The Township reserves the right to cancel the Rental Contract at any time in the case of emergencies or when unforeseen circumstances arise. In such cases the Township will make every effort to provide the Renter with 24 hours' notice of cancellation, however, such notice may not be possible in all circumstances. In the case where the rental period is for more than one day's use, cancellation may be made on any one or more of the booked dates. The Township will make every attempt to grant the contract holder access to the premises at another time or allow a proportionate rebate for the period of rental time cancelled.**

**5. The Township shall have the right to cancel the Rental Contract immediately without notice if, in the opinion of the Township, the contract holder or any person(s) using the facility with the consent of the contract holder willfully damages Township of Melancthon property, displays misconduct, unlawfully consumes alcoholic beverages, or is in violation of any terms of this Rental Contract or a Township by-law, Township regulation or any applicable federal or provincial law.**

**6. (5) The Township of \_\_\_\_\_ will not provide public space, facilities and/or properties within its jurisdiction to an individual or group that supports or promotes views, ideas or presentations which promote or are likely to promote discrimination, contempt or hatred to any person on the basis of race, national or ethnic origin, colour, religion, age, sex, marital status, family status, sexual preference, or disability, gratuitous sex and violence or denigration of the human condition. The Township reserves the right to cancel a contract if any of the above-noted circumstances arise.**

**8.**  
**9.7. The elevator is to be used for the transportation of people with physical need. The renter agrees to not use the elevator to move goods. Any damage to the elevator during the length of the rental agreement will be charged to the Renter.**

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- ~~10.8.~~ The Renter is responsible for payment of the cleaning fee as per the Horning's Mills Community Hall price list, attached to the rental agreement. The Hall should be left in a reasonably clean state at the end of the term of this Agreement.
- ~~11.9.~~ Any major damage caused by negligence or other means by the Renter or their guests, invitees, agents or employees is the responsibility of the renter. The renter is responsible for any and all damage to the facilities and/or contents and fixtures, all damage must be reported immediately. Renter is expected to cover the cost of all repairs, replacement and extra cleaning required as a result of the rental.
- ~~12.10.~~ The Renter shall ensure that the Hall is kept in neat condition during the term of this Agreement and will ensure that garbage and debris is placed in the refuse containers provided.
- ~~13.11.~~ The Horning's Mills Hall Board does not assume any responsibility for any property that has been left at the Hall whether it is broken or goes missing
- ~~14.12.~~ Any and all necessary permits for all activities taking place at the Hall during the time of rental are the sole responsibility of the Renter. The Renter shall produce copies of all necessary permits upon demand.
- ~~15.13.~~ The Renter will not provide or drink alcoholic beverages in areas of the Hall that they have not purchased a legal liquor license for (i.e.: washrooms, parking lot, etc.) Alcohol sale and/or consumption is not permitted unless a liquor license is purchased, and all rules of said license are followed, by the Renter, its guests, invitees and employees throughout the rental agreement.
- ~~16.14.~~ Failure to comply with the Agreement may result in the event being shut down and loss of future permitting privileges of municipally owned facilities.
- ~~17.15.~~ The Smoke Free Ontario Act designates all municipal building as smoke free. The Renter shall ensure that smoking or vaping (using an e-cigarette) in the Facility is not permitted.
- ~~18.16.~~ The Renter shall not permanently affix any objects or decoration, nor shall any decorations used by the renter change or damage the Hall in any way> no open flame is permitted in the Hall or Hall property. Any candles used must be entirely enclosed in a non-flammable vessel such as a glass shade.
- ~~19.17.~~ The Renter is responsible for any fire call in the event of a fire or false fire alarm.
- ~~18.~~ Parking lot is on the west side of the hall. There are to be NO cars parked on the east side of the hall as that is the septic tank.
- ~~19.~~ This contract may not be transferred or assigned without prior written authorization of the Township.
- ~~20.~~ It is the responsibility of the contract holder to make all members of its group using the facility aware of the terms and conditions of the Rental Contract, and to provide the members with a copy of these terms and conditions, if requested.
- ~~20-21.~~ All exits in the facilities must be kept free from obstructions in case of fire or other emergency.
- ~~22.~~ This Agreement includes the specified areas of the Horning's Mills Community Hall. All points in this agreement are in reference to these areas unless otherwise specified.
- ~~23.~~ The Renter does hereby release, remise and forever discharge, and agrees to indemnify and save harmless the Horning's Mills Hall Board and the Corporation of the Township of Melancthon, its Councillors, officers, executives, directors, officials, employees, agents, servants and representatives (hereinafter referred to as "the Releasees") from and against all claims, actions, costs, expenses, (including legal expenses and costs of a solicitor and his own client basis) and demands made by any one in respect of death, injury, loss and damage to any person or property, howsoever caused arising out of or in connection with or during the use of the Hall and notwithstanding that the same may have been caused by, contributed to or occasioned by the breach of contract, breach of common duty of care as an occupier of premises, or otherwise of or by the Releasees. The foregoing applies to all claims, foreseen or unforeseen, including negligence and breach of statutory or other duty of care (including that owed under the Occupier's Liability Act).
- ~~24.~~ The Renter Waives any and all claims the Renter has or may have in the future against the Releasees arising from this Agreement or the use of the Hall.
- ~~25.~~ The Renter agrees to assume all risks, both known and unknown, and all consequences thereof, arising out of or in connection with the use of the Hall.



26. The Renter, including its officers, volunteers, agents, employees, invitees, officials, players, coaches, trainers and contractors will adhere to all rules, regulations, policies and conditions regarding the Hall. Rental fee is payable two weeks before rental date. Rental includes all utilities.

27. The Renter must comply with all applicable federal, provincial and municipal by-laws (including but not limited to those relating to taxes, copyright fees, and licensing matters) and shall be responsible for any associated taxes, fees, tariffs and levies that may apply to the use of the facility/premises and function for which this contract is issued.

28. For liquor-related contracts, all permits, licences and levy receipts must be obtained by the Renter and displayed in the immediate area where the alcohol is to be consumed, sold or distributed.

29. The consumption, sale or distribution of alcoholic beverages is prohibited unless the appropriate permits and licences have been obtained.

30. The contract holder must comply with the Liquor Licence Act of Ontario as it relates to the Alcohol and Gaming Commission of Ontario Special Occasion Contract regulations.

31. The Board may require that door monitors and trained alcohol servers be provided by the contract holder.

32. If the Renter becomes aware of activities or conduct during the use of the facility that could lead to personal injury or property damage, the contract holder shall take immediate and decisive action to prevent participants and the general public attending the event from engaging in these activities or conduct.

Insurance

33. Contract holders and sponsoring organizations renting Township facilities/premises to conduct low risk activities are strongly encouraged to maintain liability insurance coverage to a limit of \$2,000,000.00 inclusive per occurrence for bodily injury, death and damage to property in one of the following forms: Commercial General Liability, Special Events Liability, Home Owners' Personal Liability, Tenants or Condominium Owners' Personal Liability.

34. (2) At the discretion of the Township, contract holders or sponsoring organizations renting the Hall to conduct medium or high risk activities will be required to maintain the above insurance and, if requested by the Township, such insurance shall name the Township as an additional insured thereunder. The Township may require the contract holder or sponsoring organization using the Hall for medium or high risk activities to provide a Certificate of Insurance evidencing the above insurance coverage prior to holding the described event.

35. (3) The Township reserves the right to increase the limit of insurance required. Compliance with the above insurance requirement is the sole responsibility of the Renter or sponsoring organization.

Renters Initials \_\_\_\_\_

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I hereby acknowledge that I have carefully read the above, and did receive a duplicate copy of this agreement this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

THIS AGREEMENT EXECUTED on behalf of:

HORNING'S MILL HALL BOARD

RENTER

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

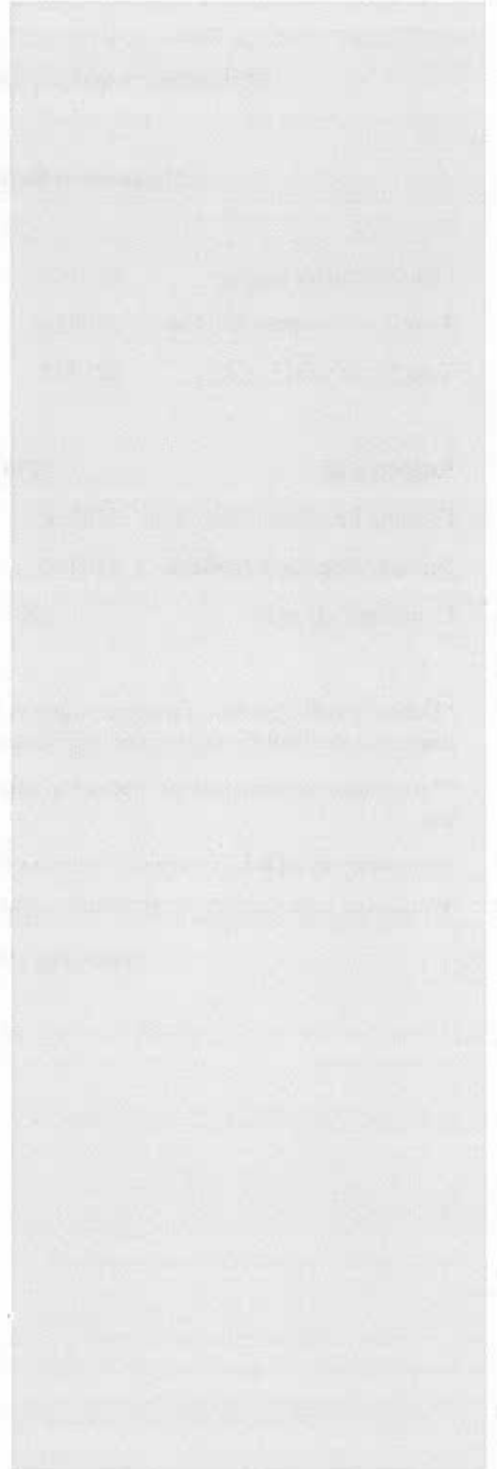
Print Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Email: \_\_\_\_\_



## HORNING'S MILL COMMUNITY HALL PRICE LIST

	<b>Melancthon Residents</b>	<b>Others</b>
One Floor with kitchen	\$125.00	\$150.00
Two floors without Kitchen	\$200.00	\$225.00
Two floors with Kitchen	\$250.00	\$275.00
Kitchen only	\$100.00	\$125.00
Cleanup Fee- Basic each floor	\$100.00	\$125.00
Security Deposit-refundable	\$100.00	\$125.00
Community Events	\$50.00	

\*Deposits will be held for a period of up to 30 days or until such time as the Hall Board has inspected the Hall for damage or deficiencies and cleared the deposit for refund.

\*\*Key to be picked up at the Township office 24hrs before. There is a \$200 deposit fee for the key.

Office Hours are Monday to Friday, 8:30 a.m. to 4:30 p.m.

To rent the Hall please call: Ruth Plowright 519-941-6333

Township Office 519-925-5525

## Denise Holmes

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**From:** Heather Hill <HHill@insurancestore.ca>  
**Sent:** Friday, April 1, 2022 10:33 AM  
**To:** Denise Holmes  
**Subject:** FW: Horning's Mills Hall Rental Agreement  
**Attachments:** MOU HMHB and Township of Melancthon.pdf; By-law 58-2021 (2).pdf; Horning's Mills Hall Rental Agreement.docx

Hello Denise,

Here are the comments from the Risk Management department.

Thanks!

### **Review of Horning's Mills Hall Rental Agreement**

It is our understanding that the Township of Melancthon has asked for a review of their rental agreement for one of their community halls.

We think the agreement should be with the Township unless the Board is a separate legal entity. The By-law also doesn't say the Board can contract on its behalf.

The indemnification and liability sections seem comprehensive, although we recommend the Township have the agreement reviewed by their solicitor as well.

We would recommend that Renters be required to carry the following insurance:

#### **Commercial General Liability Insurance**

Commercial General Liability Insurance satisfactory to the Owner and underwritten by an insurer licensed to conduct business in the Province of \_\_\_\_\_. The policy shall provide coverage for Bodily Injury, Property Damage and Personal Injury and shall include but not be limited to:

- (a) A limit of liability of not less than \$\_\_\_\_\_/occurrence with an aggregate of not less than \$\_\_\_\_\_
- (b) Add the Owner as an additional insured with respect to the operations of the Named Insured
- (c) The policy shall contain a provision for cross liability and severability of interest in respect of the Named Insured
- (d) Non-owned automobile coverage with a limit not less than \_\_\_\_\_ and shall include contractual non-owned coverage (SEF 96)
- (e) Products and completed operations coverage
- (f) Broad Form Property Damage
- (g) Contractual Liability
- (h) The policy shall provide 30 days prior notice of cancellation
- (i) **Host Liquor Liability**

When the Renter is an individual:

#### **Homeowner's Liability Insurance**

Homeowner's liability insurance satisfactory to the Owner and underwritten by an insurer licensed to conduct business in the Province of \_\_\_\_\_. The policy shall provide coverage for Bodily Injury, Property Damage and Personal Injury and shall have a limit of liability of not less than \$\_\_\_\_\_. The Owner must be added as additional insured.

#### **Party Alcohol Liability Insurance**

Party Alcohol Liability in an amount not less than \$\_\_\_\_\_ and underwritten by an insurer licensed to conduct business in the Province of \_\_\_\_\_. The municipality shall be added as an additional insured.



**Property Insurance**

Property Insurance for any property being brought onto municipal property owned by the renter.

**Primary Coverage**

The proponent's insurance shall be primary coverage and not additional to and shall not seek contribution from any other insurance policies available to the municipality.

**Certificate of Insurance**

The proponent shall provide a Certificate of Insurance evidencing coverage in force at least 10 days prior to contract commencement.

Heather Hill, BA, FCIP, CRM, CAIB, AIPC

**Farm and Commercial Insurance Specialist**

T: 705 737 5160

1-833-745-0299

F: 1 833 307 2595

[hhill@insurancestore.ca](mailto:hhill@insurancestore.ca) | [insurancestore.ca](http://insurancestore.ca)



*For your own protection, coverage or extensions to coverage requested by email, voice-mail or facsimile transmission should not be considered bound, unless written confirmation is received from a representative of Insurance Store Inc. Also, any claims reported by email or voice-mail should not be relied upon, and verification of receipt is required, please if speak directly to an Insurance Store representative. Insurance Store is operated by Insurance Store Inc.*



9:45 am  
April 7, 2022



**TOWNSHIP OF MELANCTHON**

**DELEGATION REQUEST FORM**

Request for Delegation, any written submissions and background information for consideration by Council must be submitted to the Clerk's Office by 12:00 noon on the Thursday, prior to the requested meeting.

REQUEST DATE: March 16, 2022

NAME: Dufferin County Multicultural Foundation PHONE [REDACTED]

ADDRESS [REDACTED]

EMAIL ADDRESS: dcmulticulturalfoundation@gmail.com

SIGNATURE: [REDACTED]

**Purpose of Delegation Request (state position taken on issue, if applicable).**

We are asking for the Town to be a registered member of the Foundation.

A yearly payment of \$250  
Your logo will be placed on our website with a clickable link to the Town's website.  
Listed as a sponsor of the multicultural event

We will work with your DEI on initiatives that support our mission  
~~Will share community events/recruitment opportunities on our event page and social media~~

Our event be listed and shared on your social media, website and event calendar  
~~Our logo with a clickable to our website be share on your website~~

Flag raising ceremony

**REMINDER - DELEGATIONS ARE ALLOWED 10 MINUTES TO SPEAK**

Personal information contained on this form is collected under the authority of *The Municipal Freedom of Information and Protection of Privacy Act*. This sheet and any additional information provided will be placed on the Council Agenda. The Agenda is a public document and forms part of the permanent public record. Questions about this collection should be directed to the Clerk at 519-925-5525.

TOWNSHIP OF MELANCTHON  
157101 HIGHWAY 10  
MELANCTHON, ONTARIO  
L9V 2E6  
519-925-5525 Fax - 519-925-1110 Email [info@melancthontownship.ca](mailto:info@melancthontownship.ca)

M:\MyFiles\Forms\Delegation Request Form.wpd

Del #2  
APR 07 2022