



The Corporation of the Municipality of Whitestone

**Agenda of Regular Council Meeting
Tuesday, December 10, 2024**

Dunchurch Community Centre

and

Join Zoom Meeting **(Video)**

<https://us02web.zoom.us/j/87689841243>

(Phone Call Only)

Dial [+1 647 558 0588](tel:+16475580588) then Enter Meeting ID: 876 8984 1243#

*Every effort is made to record meetings with the exception of the Closed Session matters.
Both the audio and video are posted on the Municipal Website.
The written minutes are the official record of the meeting.*

- 1. Call to Order and Roll Call** **10:00 a.m.**

National Anthem

Indigenous Land Acknowledgement Statement

The Municipality of Whitestone recognizes all of Canada resides on traditional, unceded and/or treaty lands of the Indigenous People of Turtle Island.

We recognize our Municipality on The Robinson Huron Treaty territory is home to many past, present and future Indigenous families.

This acknowledgment of the land is a declaration of our commitment and collective responsibility to reconcile the past, and to honour and value the culture, history and relationships we have with one another.

- 2. Disclosure of Pecuniary Interest**
- 3. Approval of Agenda ®**

APPOINTMENT OF CHIEF ADMINISTRATIVE OFFICER / MUNICIPAL CLERK ®

By-law No. 65-2024, being a By-law to provide for the appointment of a Chief Administrative Officer and Municipal Clerk for the Municipality of Whitestone and to repeal By-law No. 20-2018

4. Presentations and Delegations

- 4.1 Donald Sanderson, Chairperson West Parry Sound Recreation and Cultural Centre Board
Verbal presentation - Municipality of Whitestone financial contribution towards Capital Construction of the West Parry Sound Recreation and Cultural Centre

Matters Arising from Presentations and Delegations ®

Move into Committee of the Whole ®

5. Committee of the Whole

- 5.1 Trailer Options Report ®
• Report from MHBC, dated December 10, 2024
- 5.2 **Planning Matters**
5.2.1 Consent Application No. B39/2024(W) – IRELAND, John ®
• Memorandum from Parry Sound Area Planning Board dated November 26, 2024

Reconvene into Regular Meeting ®

Matters Arising from Committee of the Whole ®

6. Public Meeting - None

7. Consent Agenda ®

Items listed under the Consent Agenda are considered routine and will be enacted in one motion. A Member of Council may request one or more items to be removed from the Consent Agenda for separate discussion and/or action.

- 7.1 Council and Committee Meeting Minutes
7.1.1 Regular Council Meeting Minutes of November 19, 2024
7.1.2 Emergency Management Program Committee Meeting Minutes of September 26, 2024
- 7.2 Unfinished Business (listed on page 6)

Matters Arising from Consent Agenda

8. Accounts Payable

- 8.1 Accounts Payable ®

9. Staff Reports

- 9.1 Report PW-2024-13
York Street Landfill Update ®

- Technical Memorandum from Azimuth Environmental Consulting Inc. dated November 26, 2024 (2024 Dunchurch Landfill Monitoring Program Summary)

9.2 Report FIRE-2024-04
The change in cost for our Fire Department to purchase a used ambulance from the Parry Sound District Paramedic Services ®

10. By-laws

10.1 By-law No. 66-2024 being a By-law to enter into an Agreement for Conditions of Approval of Consent B29/2023(W) – DESJARDINS, Robert and Jeannette ®

10.1.1 Memorandum from Paula Macri, Planning Assistant regarding status of conditions of approval

10.2 By-law No. 67-2024 being By-law to confirm that as a condition of office, each Elected Official will be required to have an office outside of the Municipal Office, which could include a virtual or home office ®

10.2.1 Memorandum from CAO/Clerk Hendry

10.3 By-law No. 68-2024 being a By-law to authorize the execution of an Agreement for a By-law Enforcement Officer for The Corporation of the Municipality of Whitestone and to appoint a By-law Enforcement Officer for the Corporation of the Municipality of Whitestone, and to repeal By-law No. 10-2022 ®

10.4 By-law No. 69-2024 being a By-law to enter into an Agreement with His Majesty the King in Right of Ontario as represented by the Minister of the Solicitor General on behalf of the Ontario Provincial Police - Primary Public Safety Answering Point (P-PSAP) and to rescind By-law No. 26-2019 ®

10.4.1 Letter to McKellar from OPP Municipal Policing Bureau (Note: The Township of McKellar is the coordinating Municipality for this Agreement)

10.4.2 P-PSAP Information Package

10.4.3 2024 P-PSAP Agreement

11. Business Matters

Deferred Business Matters from the November 19, 2024 Regular Council Meeting

11.1 Resolution of Support - Belvedere Heights proposal to enter into a loan agreement with the Township of Carling to support a two-year construction funding loan for the addition of 24 new long- term care beds
Staff note: this was further moved to a future Council Meeting in 2025 to align with other Belvedere Heights matters that will need to be addressed

11.2 Correspondence from Chair, West Parry Sound Recreation and Cultural Centre Request for Whitestone Council's \$250,000 Financial Commitment to the Construction of the West Parry Sound Recreation and Cultural Centre ®

- Additional information: Municipality of Whitestone Resolution No. 2023-538 and Resolution No. 2024-153

- 11.3 Correspondence from Parry Sound Community Radio Association
- Request for support of Parry Sound Community Radio Association CRTC Application ®

- 11.4 Item requested by Councillor Scott Nash
- Aulds Road and Church Street Landfill Metal Recycling ®

Discussion regarding having a Request for Proposal (RFP) or Tender for the Scrap Metal Recycling of the Metal Materials dropped off at the Landfill sites (Auld Road and York Street) to be prepared and released by the Municipality of Whitestone.

- Form of Agreement – All Ontario Recycling
- Scrap Metal Revenue 2021 to 2024
- Verbal update from David Creasor, Public Works Manager

- 11.5 Item requested by Councillor Scott Nash
Meeting Minutes for Belvedere Heights, Parry Sound Board of Health, EMS Advisory Committee, Planning Board ®

Discussion regarding how the Meeting Minutes from Belvedere Heights, Parry Sound Board of Health and EMS Advisory Committee are provided to members of Council

New Business Matters

- 11.6 2024 Whitestone Environment Report (Benthic Monitoring and Lake Partner programs) Lorimer Lake, with an update on Lake WahWashKesh and Whitestone Lake
Link to report: [Municipality of Whitestone - Benthic Monitoring](#) ®
Prepared by Generations Effect (an enterprise of the Georgian Bay Mnidoo Gamii Biosphere)

- 11.7 Whitestone Environmental Stewardship Committee ®
Terms of Reference – updated July 2024
- Committee Resolution – dated July 8 2024
 - Terms of Reference – July 2024 with proposed changes tracked

- 11.8 MHBC Official Plan Five-Year Review and Comprehensive Zoning By-law
- Memo from MHBC Planning ®

- 12. Correspondence ®**
(including Correspondence deferred from the November 19, 2024 Regular Council Meeting)

Matters Arising from Correspondence

- 13. Councillor Items**

- 14. Questions from the Public**

Move into Closed Session ®

15. Closed Session

- 15.1 Closed Session Minutes of the Regular Closed Session Council meeting of Tuesday November 19, 2024 ®
- 15.2 The security of the property of the municipality or local board pursuant to Ontario Municipal Act, Section 239(2)(a)
- Memorandum from CAO/Clerk Hendry
 - Cyber Security Report, Dan Hildebrandt, Certified Systems Engineer and Systems Analyst Level IV Network Architect, Systems & Security Specialist, My-Tech Information Technology ®
- 15.3 Personal matters about an identifiable individual, including municipal or local board employees, pursuant to Ontario Municipal Act, Section 239. (2) (b)
- 15.3.1 Human Resources Matter – By-law Enforcement ®
- 15.3.2 Volunteer Application for the Whitestone Environmental Stewardship Committee ®

Reconvene to Regular meeting ®

Matters arising from Closed Session

16. Confirming By-law ®

17. Adjournment ®

Unfinished Business

DATE	ITEM AND DESCRIPTION	ASSIGNED TO	STATUS
March 15, 2021	Review of By-law 20-2014 (being a By-law for the licensing, regulating/governing of rental units in Whitestone)	Administration Staff	<p>Public meeting for Public input: March 19, 2024.</p> <p>DRAFT By-law presented at the May 21, 2024</p> <p>Council to submit comments by June 7, 2024 to Staff</p> <p>Memo to Council meeting August 20, 2024 – Policy direction provided for future iteration of By-law</p> <p>Revised Draft to Council submitted November 19, 2024</p> <p>Staff to seek legal review and provide to Council at a future Council meeting</p>
March 15, 2022	By-law 16-2022, being a By-law for a Zoning By-law amendment to rezone Part of Lot 39, Concession A, geographic Township of McKenzie, now in the Municipality of Whitestone from the Rural (RU) Zone to a Rural (RU) Exception Zone – ANDERSON/PATTERSON	Planning Staff and CBO	To be reviewed with the Applicant March 2025.
July 4, 2023	Strategic Plan, By-law Initiatives THAT the Council of the Municipality of Whitestone receive for information the Memorandum from CAO/Clerk Hendry, Strategic Plan – moving forward with 2023 priorities	Assigned to various staff	In progress
September 5, 2023	Snakeskin Lake boat launch Staff to work with MNRF to determine if a Land Use Permit is required to develop the	Staff	Land Use Permit, discussion In progress

	Snakeskin Lake boat launch, and if so, to apply for one.		Report to Council August 20, 2024 – final decision pending Manager Creasor to seek MNRF permission to install a 'Boat Launch' sign
August 20, 2024	THAT the Council of the Municipality of Whitestone request MHBC to prepare an options report in respect of the regulations related to trailers in the Municipality's land use documents.	MHBC	Memo provided to Council at the December 10, 2024 Regular Council meeting
November 7, 2023	Presentation from Azimuth Environmental re Whitestone Landfill Sites- Council request for more information in regard to usage space and timing and cost of conversion of York Street Landfill to a Transfer Station	Manager of Public Works / Azimuth Environmental	Initially planned for Q3 2024 Report to Council Q4 2024, December 10, 2024 Regular Council Meeting

END

Correspondence

Deferred from November 19 2024 Meeting:

- | | | |
|-----|---|--|
| A - | McDougall
(Item E1 Nov 19
meeting) | Request to be removed from the Parry Sound Area
Planning Board and given power to approve |
| B - | McKellar
(Item E2 Nov 19
meeting) | Response to McDougall's request to be removed from the
Parry Sound Area Planning Board |
| C - | Aurora (also items A1,
A2 and A3 in December)
(Item G Nov 19 meeting) | Request that federal and provincial governments share
taxes collected on property sales |
| D - | Belvedere Heights Home
for the Aged (to be an
item in January)
(Item L Nov 19 meeting) | Municipal Capital Levy |

For December 10 2024 Meeting:

- | | | |
|----|------------------------|--|
| C1 | McGarry | Request that federal and provincial governments share taxes
collected on property sales |
| C2 | Essa | Request that federal and provincial governments share taxes
collected on property sales |
| C3 | Wawa | Request that federal and provincial governments share taxes
collected on property sales |
| C4 | Russell | Request that federal and provincial governments share taxes
collected on property sales |
| E | Amaranth | That the province implement Good Roads Rural Safety Program |
| E1 | Parry Sound | That the province implement Good Roads Rural Safety Program |
| E2 | Val Rita-Harty | That the province implement Good Roads Rural Safety Program |
| E3 | Wawa | That the province implement Good Roads Rural Safety Program |
| E4 | North Perth | That the province implement Good Roads Rural Safety Program |
| E5 | McGarry | That the province implement Good Roads Rural Safety Program |
| E6 | Port Colborne | That the province implement Good Roads Rural Safety Program |
| E7 | Tay Valley
Township | That the province implement Good Roads Rural Safety Program |
| E8 | Tweed | That the province implement Good Roads Rural Safety Program |

E9	Ashfield Colborne Wawanosh	That the province implement Good Roads Rural Safety Program
E10	Terrace Bay	That the province implement Good Roads Rural Safety Program
F	Terrace Bay	Request that province take action to provide funding to EMS services
G	North Bay Public Health Unit	Provincial Oral Health Strategy Funding Model
H	Near North District School Board	Letter to Province requesting McDougall school remain open for grades K-6
I	Ministry of Natural Resources	Discussion Paper: re Carbon Storage Projects in Ontario
J	Grace Simpson	<ul style="list-style-type: none"> - Letter re. Purchase of Crown Land requesting Municipal support - Additional email correspondence between Municipal staff and MNRF re the purchase of Crown Land
K	Community Support Services	Be a Santa to a Senior

COMMITTEE OF THE WHOLE

MUNICIPALITY OF WHITESTONE – COUNCIL			
Report Prepared For:	The Council of the Municipality of Whitestone	File and Date:	Trailer Options Report December 10, 2024
Report Prepared By:	Jamie Robinson, MCIP, RPP and Patrick Townes, BA, BEd MHBC Planning Consultants	Location:	Municipal Wide

A. RECOMMENDATION

- 1) That the Council of the Municipality of Whitestone receive the report titled “Trailer Options Report”, dated December 10, 2024; and either,
- 2) That the Council of the Municipality of Whitestone recommend that staff prepare the necessary documents and applications associated with Option 1 if Council would like to permit trailers and motorhomes on _____ properties in the following zones (_____) within the Municipality.

OR

- 3) That the Council of the Municipality of Whitestone recommend that staff prepare the necessary documents and applications associated with Option 3 (Official Plan Amendment and Zoning By-law Amendment) if Council would like to prohibit trailers and motorhomes within the Municipality on _____ properties.

OR

- 4) That through the process of updating the current Official Plan and Zoning By-law 2025/2026, the Municipality of Whitestone land use planning documents with respect to permissions for trailers, motorhomes and camping (tents) be updated for consistency.

B. PROPOSAL/BACKGROUND

This report has been prepared following Council Resolution No. 2024-312 which included the following direction to staff:

Review of Policies and Regulations regarding Trailers with the Municipality of Whitestone - Memorandum from MHBC Planning Ltd. dated August 8, 2024:

THAT the Council for the Municipality of Whitestone receives for information the memorandum from MHBC Planning Ltd.; and

THAT the Council of the Municipality of Whitestone request MHBC to prepare an options report in respect of the regulations related to trailers in the Municipality’s land use documents.

The purpose of this report is to:

- 1) Summarize the current policies and regulations associated with land use planning permissions for trailers in the land use planning documents, inclusive of trailers, motorhomes and camping (tents).
- 2) Provide options and a recommendation on how to proceed with updated the land use planning documents with respect to permissions for trailers, motorhomes and camping (tents).

It is our understanding that Council does not want to pass a Trailer By-law. The Municipality adopted an Official Plan Amendment (OPA No. 2) in 2022 to update the policies regarding trailers in the Official Plan, inclusive of trailers, motorhomes and camping (tents).

Following a review of the available material from OPA No. 2, it appears that the amendment was prepared to permit trailers on a limited basis within the Municipality. Prior to the amendment, there were restrictive policies to prohibit trailers due to the concern of adverse impacts these types of uses had the potential to create on adjacent properties. The amendment also reflects and included an enabling policy to create site specific zoning or a Trailer By-law under the Municipal Act to assist in administering permitted uses for trailers.

The following is a summary of the current policies and regulations that apply to trailers, motorhomes and camping (tents) in the Official Plan and the Zoning By-law.

C. CURRENT OFFICIAL PLAN POLICIES

Inclusive of Amendment No. 2 to the Official Plan, the following are the policies within the Official Plan that refer to trailers:

- | | |
|----------------|---|
| <i>11.03</i> | <i>Trailers</i> |
| <i>11.03.1</i> | <i>The Municipality of Whitestone discourages trailers, motorhomes and camping on any lands in contrast to conventional single detached dwellings or cottages. However, it does recognize that under certain circumstances that controlled and limited use of trailers, motorhomes and camping may be a reasonable temporary land use for vacant parcels of land in the Municipality.</i> |
| <i>11.03.2</i> | <i>A trailer, motorhome or tent is a permitted accessory use to a permitted dwelling where such uses function as accessory uses subject to complying with all provisions related to accessory structures for the zone in which the use is proposed.</i> |
| <i>11.03.3</i> | <i>A trailer, motorhome or tent for the purpose of sale or storage may be permitted on any parcel with a principal dwelling.</i> |
| <i>11.03.4</i> | <i>The Municipality may enact a trailer by-law to regulate the licensing of trailers, motorhomes and tents.</i> |
| <i>11.03.5</i> | <i>The Municipality may arrange for a temporary use of a trailer on a property where a building permit has been issued for a main dwelling and such trailer may be located on the subject property for</i> |

the period required to construct the main dwelling so long as this period does not exceed three years.

- 11.03.6 *A trailer camp, tourist camp or motel is a commercial use. The Municipality may enact by-laws to regulate, license or govern tourist camps, trailer camps or motels.*
- 11.03.7 *The number of trailer sites allowed, tourist camp sites or motel units will be prescribed in the implementing zoning by-law.*
- 11.03.8 *All trailer placements are required to meet requirements for wastewater disposal.*
- 13.02 *Form of Development*
- 13.02.1 *The general form of development includes:
 - a) *low density, single detached residential development;*
 - b) *open space uses;*
 - c) *tourist commercial uses;*
 - d) *access facilities; and,*
 - e) *a trailer, motorhome or tent in accordance with the provisions of the Municipality Trailer By-law.**
- 16.01 *Rural*
- 16.01.1 *This designation will apply to the interior areas of the Municipality away from the recreational waterfront areas and beyond the communities of Dunchurch, Maple Island, Whitestone and Ardbeg.*
- 16.01.2 *Land uses in the Rural area include:
.....
a trailer, motorhome or tent in accordance with the provisions of the Municipality's Trailer By-law.*
- 16.01.6 *In accordance with the general policies of this Plan, travel trailers are not acceptable substitutes for conventional cottages or homes.*
- 16.02 *Waterfront*
- 16.02.2 *The base standard for new development in the Waterfront designation are set out in the Specific Lake Policies set out below, and a trailer, motorhome or tent in accordance with the provisions of the Municipality Trailer By-law.*

Comments on the Official Plan

- 1) The policies in the Official Plan state that the Municipality may enact a Trailer By-law to regulate the licensing of trailers, motorhomes and tents.
- 2) The Official Plan permits a trailer, motorhome or tent in the Rural designation and the Waterfront designation, but only on a lot where a dwelling exists.

- 3) Notwithstanding this, the Official Plan also recognizes that under certain circumstances that controlled and limited use of trailer, motorhomes and camping may be a reasonable temporary use of land for vacant parcels of land in the Municipality.

Comment – This permission should be clarified. Is the temporary permission for a trailer only to apply in accordance with Section 11.03.5 and the issuance of a building permit, or are there other instances where the temporary permission of a trailer is appropriate?

- 4) The Official Plan only permits trailers, motorhomes and tents for sale or storage on a property with a principal dwelling. Trailers are permitted on a temporary basis where a building permit has been issued for a dwelling and cannot exceed three (3) years.

The policies contained within the current Official Plan rely on the Municipality enacting a Trailer By-law under the Municipal Act.

D. CURRENT ZONING BY-LAW REGULATIONS

The following are the regulations within the Zoning By-law that refer to trailers:

3.5.3 Prohibited Uses

Except as specifically permitted by this By-law, the following uses are prohibited:

- a) *any obnoxious use or noxious trade as defined under any Act;*
- b) *boathouses and boatports located on or partly on any navigable waterway;*
- c) *buildings or structures on docks except for those specifically permitted;*
- d) *campsite, tent, trailers or camping on vacant rural or residential lots except in accordance with the Municipality's Trailer By-law;*
- e) *a track for the racing of motor vehicles, motor cycles or snowmobiles;*
- f) *pits and quarries except those licensed under the Aggregate Resources Act; and*
- g) *outside storage on vacant lands except in accordance with any applicable by-law of the Municipality.*

3.70 Tent and Trailers

Tents, trailers and motorhomes are not permitted in any zone as a principal use except in accordance with the Municipality's Trailer By-law or where they are located within a commercial zone that permits tents or trailers or where a trailer is to be used as a temporary structure in connection with the construction of a permitted use and allowed under a conditional building permit.

No trailer may be used for human habitation except in accordance with the provisions of this By-law and in accordance with the Municipal Trailer By-law or when placed on a property for storage or sale when said property is used for a principal permitted use.

No person shall locate, place or use a trailer, camper trailer, motorhome, tent, recreational vehicle on any land as a principal or primary use except where such uses are permitted within a tourist commercial establishment that is specifically zoned for said uses, or where a trailer has been permitted as a temporary structure in connection with the construction of a permitted use and authorized under a conditional building permit or in accordance with the provisions of the Municipality's Trailer By-law

3.76 Use of Vacant Lands

No vacant lands shall be used for the purpose of the storage of motor vehicles, machinery, materials or equipment, trailers or other similar objects which are not incidental to the expeditious construction of a building or the use permitted on such lands, and where otherwise specifically permitted by the provisions of this By-law or any other applicable by-law of the Municipality.

Comments on the Zoning By-law

- 1) There is conflict in the current Zoning By-law between the third paragraph of Section 3.70 and the permitted uses of the Rural (RU) Zone, the Rural Industrial (RUI) Zone, the Rural Residential (RR) Zone and the Waterfront Residential (WF1, WF2, WF3) Zones.
- 2) Section 3.70 of the Zoning By-law includes regulations regarding trailers, motorhomes and tents. The first paragraph of Section 3.70 states that trailers, motorhomes and tents are not permitted in any zone as a principal use except in accordance with the Municipality's Trailer By-law. The third paragraph indicates that no person shall locate, place or use a trailer, camper trailer, motorhome, tent or recreational vehicle... except where such uses are permitted with a tourist commercial establishment.....
- 3) A tent, trailer or motorhome is listed as a permitted use in the Rural (RU) Zone, the Rural Industrial (RUI) Zone, the Rural Residential (RR) Zone and the Waterfront Residential (WF1, WF2, WF3) Zones, in accordance with the Municipality's Trailer By-law.

Comment – this is conditional zoning and the Planning Act does not currently allow for conditional zoning. This section requires modification based on the direction of Council.

- 4) Trailers, motorhomes and tents are permitted in commercial zones where specifically listed as a permitted use and are permitted as a temporary structure in connection with the construction of a permitted use and allowed under a conditional building permit.

- 5) The storage of trailers or other similar objects are not permitted under Section 3.76 of the Zoning By-law, which are not incidental to the expeditious construction of a building or the use permitted on such lands, and where otherwise specifically permitted by the provisions of this By-law or any other applicable by-law of the Municipality.
- 6) A campsite, tent, trailer or camping on vacant rural or residential lots are prohibited under Section 3.53 of the Zoning By-law, except in accordance with the Municipality's Trailer By-law.
- 7) The regulations contained within the current Zoning By-law rely on the Municipality enacting a Trailer By-law under the Municipal Act. As indicated previous, this is conditional zoning and is not permitted.

E. ANALYSIS OF CURRENT POLICIES AND REGULATIONS

Following a review of the current policies and regulations in the Municipality's land use documents, there is ambiguity on how trailers are to be regulated in the Municipality; the Municipality should update the documents to provide clarification and to enable clear application of the regulations.

F. OVERVIEW OF LAND USE CONSIDERATIONS AND OPTIONS

As referenced, the current Official Plan and Zoning By-law should be updated to provide clarity on permissions for trailers, motorhomes and camping (tents). There are a number of options available to the Municipality of Whitestone when it comes to permitting and controlling the use of trailers, motorhomes and camping (tents) within the Municipality.

Staff require direction from Council on the following:

- 1) Does Council want to prohibit a trailer, motorhome or tent camping as a principal use on non-tourist commercial lots?
- 2) Does Council only want to permit a trailer, motorhome or tent camping as a principal use on non-tourist commercial lot where a building permit has been issued?
- 3) If Council does want to permit a trailer, motorhome or tent camping as a principal use on non-tourist commercial lots, are there specific zones where they would like to see these uses permitted or prohibited.

- **OPTION 1 – Permit Trailers and Motorhomes and Implement a Trailer By-law**

- Option 1 would require an Official Plan Amendment, a Zoning By-law Amendment and the enactment of a Trailer By-law.
- This option would include revised and new policies in the Official Plan that clearly outline where trailers and motorhomes are permitted, including policies to evaluate potential requested amendments in the future to the implementing Zoning By-law.
- The Zoning By-law would also be updated to clearly outline specific zones where trailers, and motorhomes are permitted as a principal or accessory use and to apply zone standards and criteria such as a minimum lot size or

a minimum setback from the shoreline where a trailer, motorhome or tent would be permitted as a principal use.

- General regulations could be included in the Zoning By-law to prescribe what properties are eligible for a trailer or motorhome as of right, including a minimum lot size and minimum setback from a shoreline.
- Consideration would be given to permitting as a principal or an accessory use.
- Accompanied with a Trailer By-law, the Municipality would be able to legally control how trailers and motorhomes are used on properties within the Municipality.

- **OPTION 2 – Permit Trailers and Motorhomes without Trailer By-law**

- Option 2 would require an Official Plan Amendment and a Zoning By-law Amendment.
- Similar to Option 1, this option would include revised Official Plan policies and Zoning By-law regulations to include permissions for trailers and motorhomes.
- The Municipality would only be able to rely on the policies and regulations that are applicable under the Planning Act, and would not be able to require landowner to obtain a license to control other items, such as the tenure of stay or other items that cannot be legally enforced through the Planning Act.

- **OPTION 3 – Prohibit Trailers and Motorhomes**

- Option 3 would require an Official Plan Amendment and a Zoning By-law Amendment.
- Option 1 and 2 are recommended on the basis that the Municipality would like to permit trailers and motorhomes. Option 3 includes the option to prohibit trailers and motorhomes on properties all together.
- This could include prohibiting trailers and motorhomes only as a principal use or include some permissions where they would be permitted as an accessory use.

The three options listed above are the primary options for the Municipality to consider. Through the detailed review and preparation of the documents associated with each option, there are circumstances that can be reviewed further with Council through the formal process.

Option 1 and Option 2 will include a review based on trailers and motorhomes being permitted as a principal and/or accessory use on a property.

Another option is included to update the land use planning documents during the comprehensive update, following discussion and direction from Council.

G. SUMMARY

Each of the primary three options are available to Council and to provide direction on how to proceed with land use planning permissions for trailers and motorhomes. The alternative option is to update the land use planning documents during the comprehensive update, following discussion and direction from Council.

When it comes to permitted uses and regulations associated with trailers and motorhomes, there are potential land use conflict concerns that could arise as a result of permitting these types of uses.

It is clear that the current land use planning documents do not provide concise rules and regulations for how these uses are permitted and enforced within the Municipality. Based on the intent of the policies and regulations, it appears as though the Municipality wanted to permit these uses subject to a Trailer By-law under the Municipal Act.

If Council would like to permit trailers and motorhomes as a principal and/or accessory use, it is our opinion that in addition to the Official Plan Amendment and Zoning By-law Amendment, the Municipality would benefit from the enactment of a Trailer By-law under the Municipal Act to control and administer the use of trailer and motorhomes.

PLANNING ITEMS

PARRY SOUND AREA PLANNING BOARD

1 Mall Drive, Unit 2, Parry Sound, Ontario P2A 3A9

CONSENT APPLICATION NO. B39 2024 (W) - Ireland
LOTS 34 & 35, CONCESSION 11
GEOGRAPHIC TOWNSHIP OF CROFT
MUNICIPALITY OF WHITESTONE

Roll # 493903000601800 PIN: 52087-0043

162 HIGHWAY No. 520

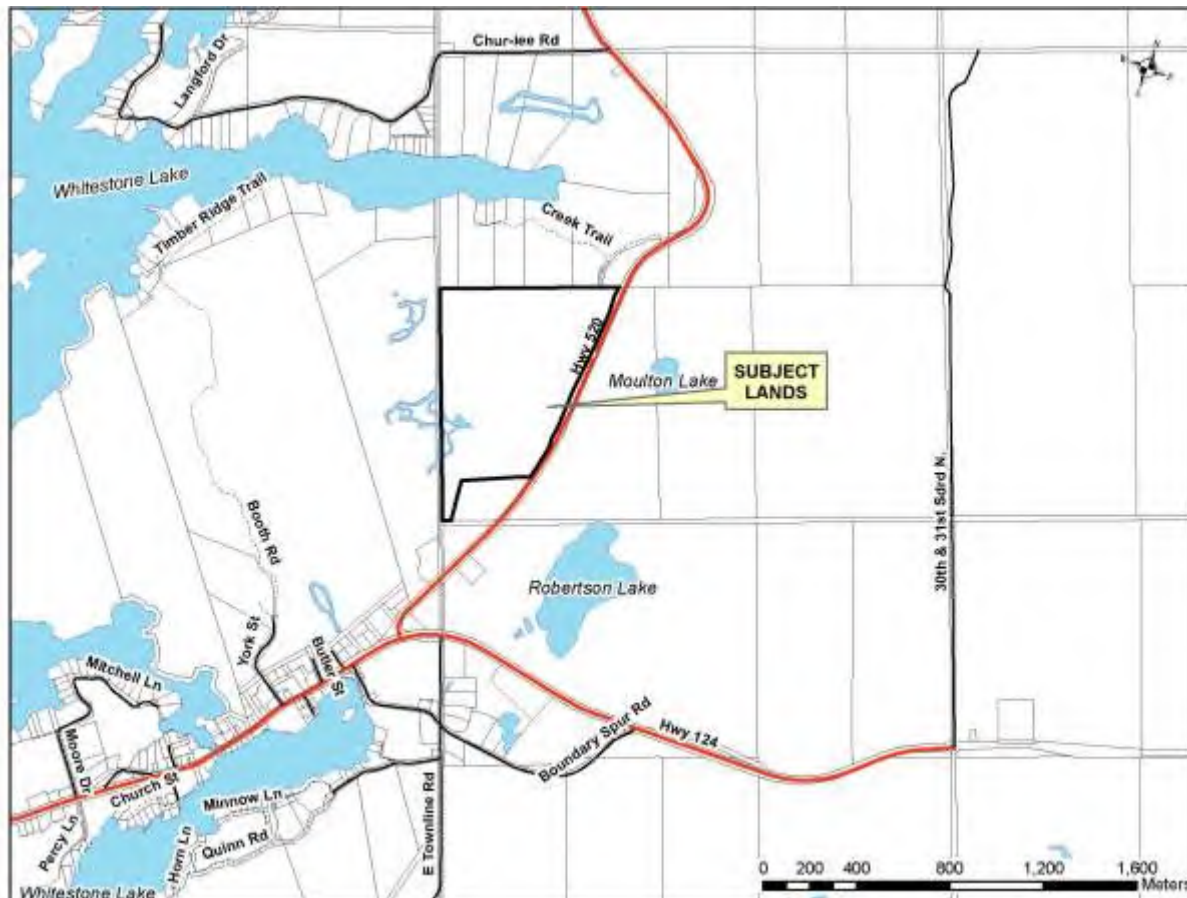
Applicant: John and Betty Ireland

November 26, 2024

BACKGROUND / PURPOSE

John Ireland owns a large parcel of land on the west side of Highway No. 520 north of Highway No. 124 in the Municipality of Whitestone.

The proposed consent is to create three (3) new lots fronting on Highway No. 520.



PROPERTY DESCRIPTION

The lands are described as:

PIN: 52087-0043

PCL 10373 SEC SS; LT 34 CON 11 CROFT; LT 35 CON 11 CROFT EXCEPT LT52448, PT 3, 4, 5, 6 & 7, 42R3644, LT152814; PT LT 34 CON 11 CROFT; PT LT 35 CON 11 CROFT BEING LOCATION CL2351 PT 1, 2, 3 & 4, 42R6123 ALSO EXCEPTING PT 1, 42R10508 S/T IF ENFORCEABLE EXECUTION # E422/90 & E636/93;

PROPOSED CONSENT

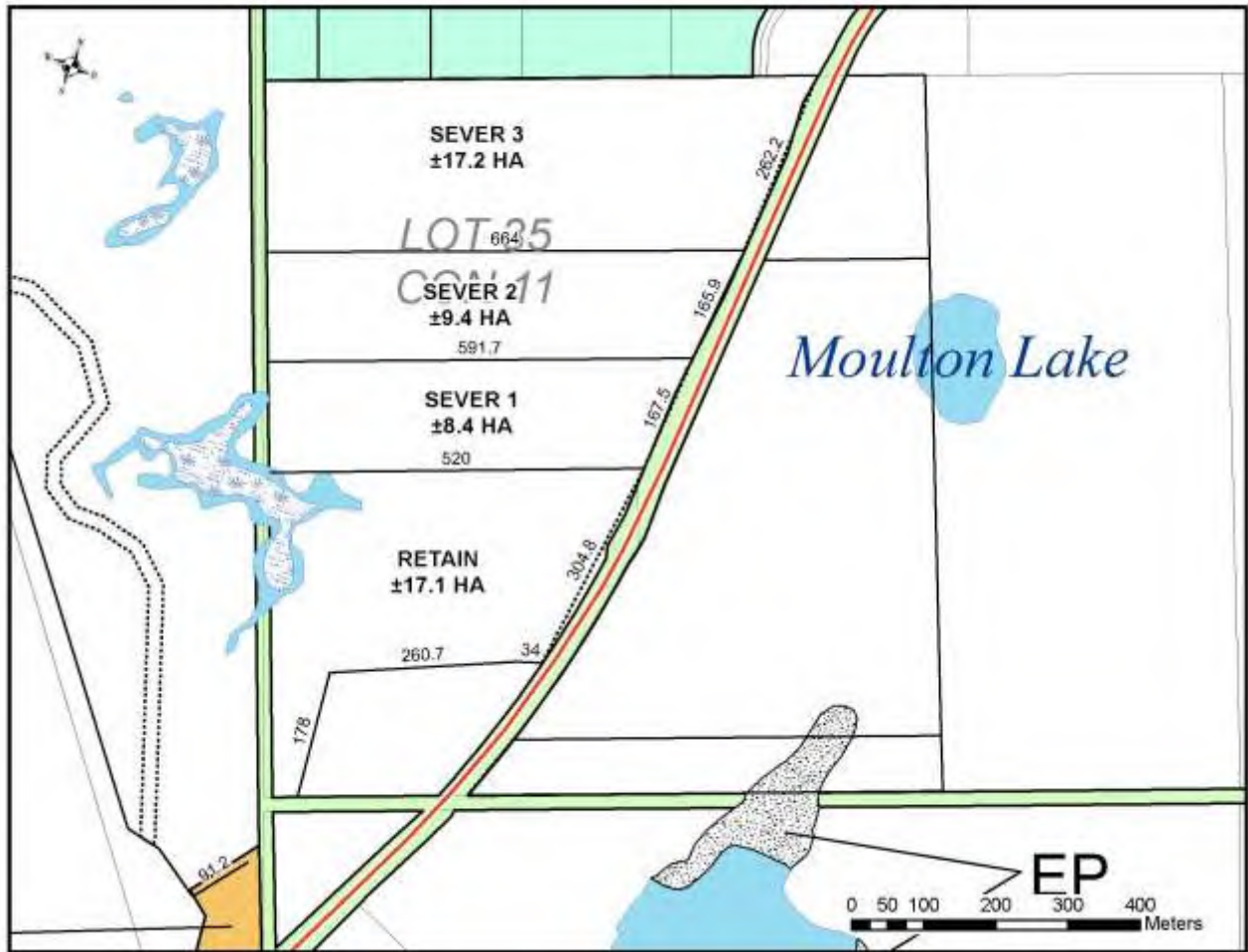
The proposed consent is to create three (3) new lots fronting on Highway No. 520.

	Frontage (m)	Depth(m)	Area
Retain	304.8	520	17.1 ha
Sever 1	167.5	591.7	8.4 ha
Sever 2	165.9	665	9.4 ha
Sever 3	262.2	764	17.2 ha

The Ministry of Transportation has been consulted and has no objection to the consent in principle. The MTO will allow a residential entrance from Highway No. 520 for each of the severed and the retained lots (see letter attached).

Actual driveway locations will be approved by MTO.

“Entrance permits will be required from the Ministry of Transportation prior to the establishment of entrances to Highway 520 for either of the severed lots or the retained lot. An entrance permit is required for the construction of an entrance to a Provincial Highway, a change in use of an existing entrance to a Provincial Highway, a change in property ownership, and/ or modification /alteration of an existing entrance to a highway. “



EXISTING LOT CONDITIONS

The subject land is a vacant 52 hectare (128 acre) parcel with approximately 900 metres of frontage on the highway.

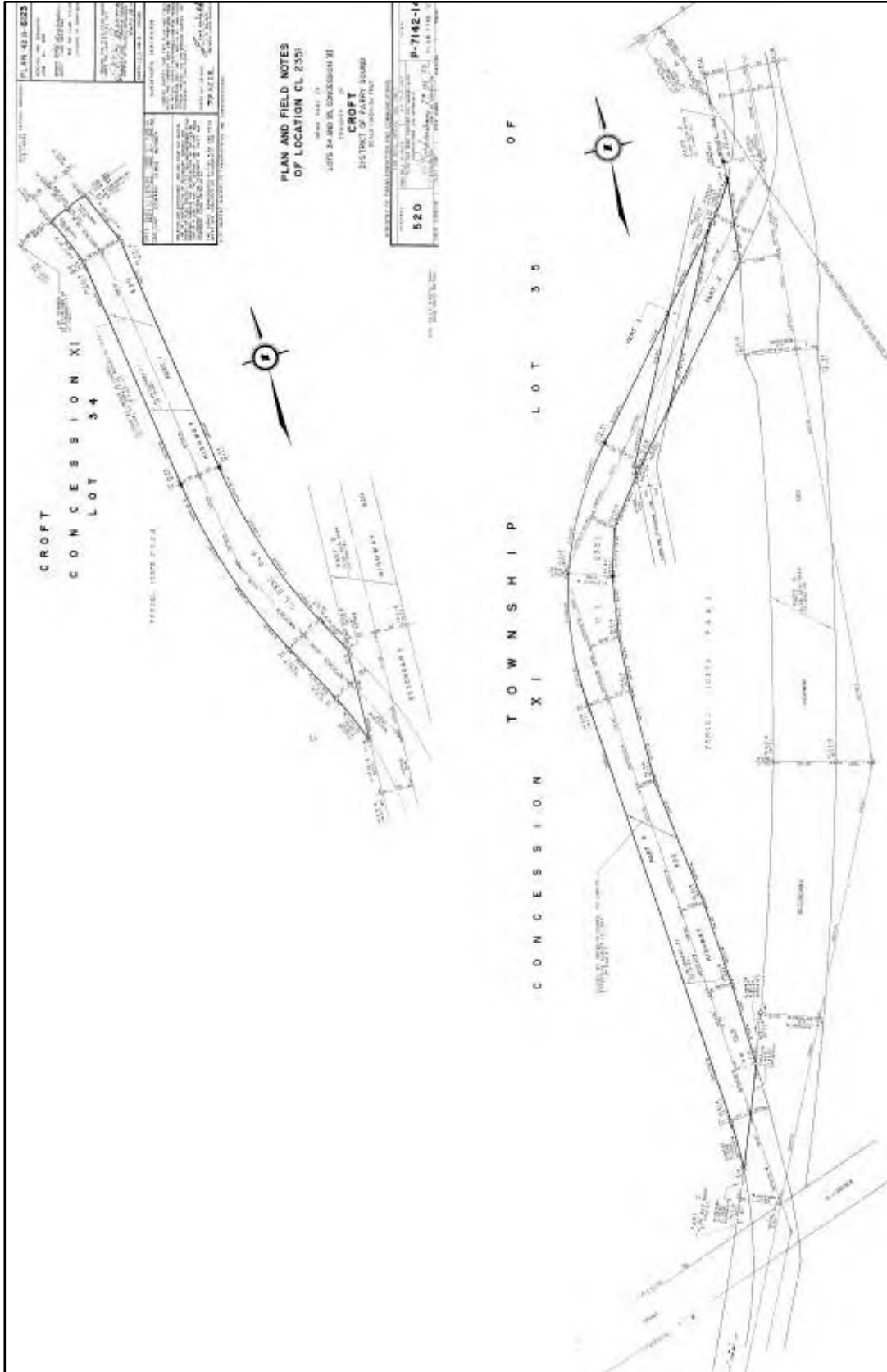
The lot is well forested with a mix of coniferous and deciduous trees.

There is a wetland on the proposed retained lot that also touches the rear of proposed Severed Lot 1. This wetland is buffered by the former Highway No. 520 roadbed (shown on the plan below).

There is adequate setback for a building and accessory structures outside of the wetland constraint, even with a 30 metre buffer applied.



Survey plan of the road allowance through the retained lot



OFFICIAL PLAN

The subject lands are designated Rural in the Municipality's Official Plan.

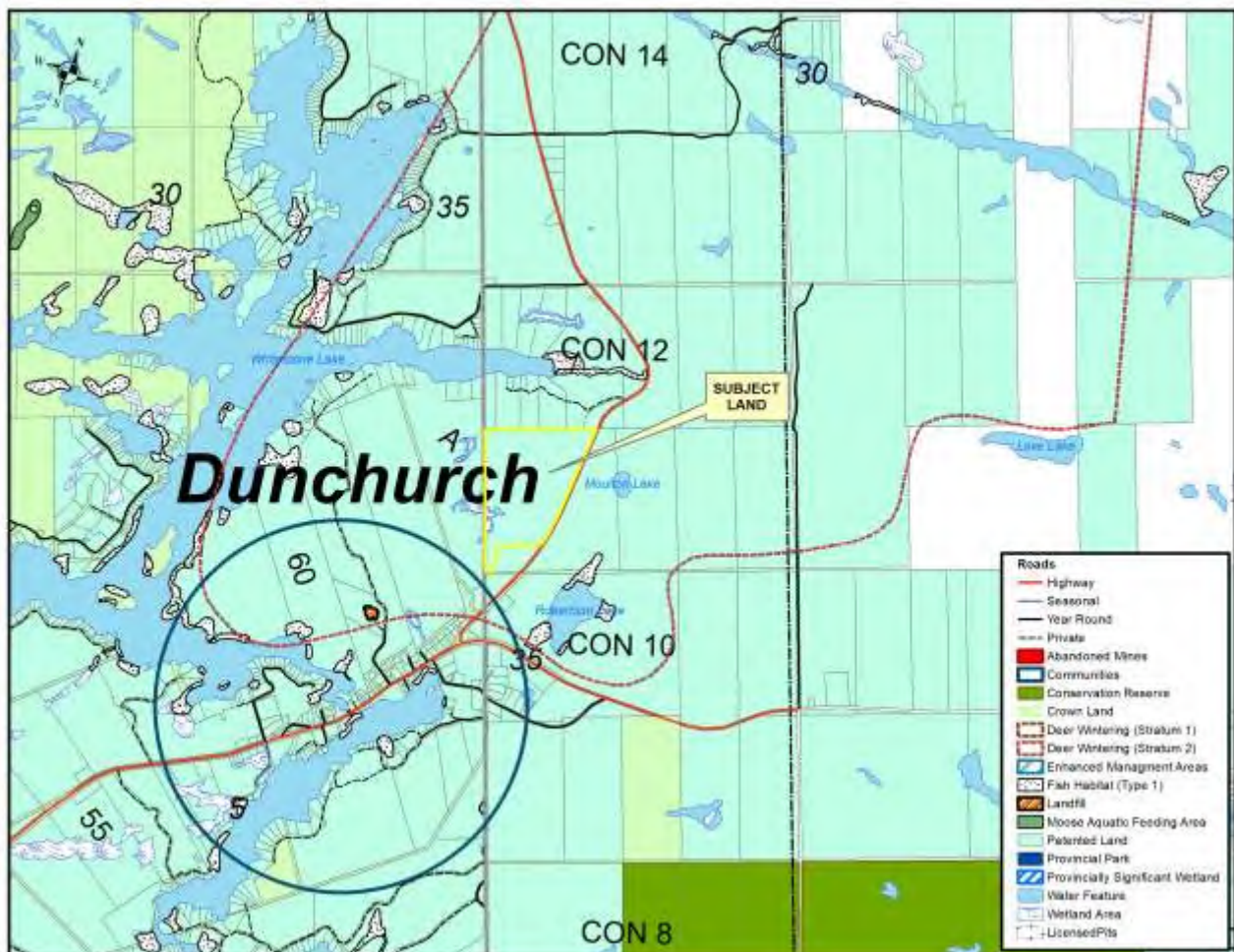
DEER WINTERING

The lands are within a Deer Wintering (Stratum 2) area where deer are thought to brows and move in the early winter season.

As shown on the Natural Heritage mapping below, this Deer Wintering (Stratum 2) area covers the eastern shore of Whitestone Lake, north of Highway No. 124 and continues approximately kilometres inland.

The proposed new lots are, at minimum, 4 times the area (8.4 ha vs. 2.0 ha) and more than 2.5 times the required depth (520 m vs. 200m) required by the Rural standard.

Because of the size of proposed lots and the mix of coniferous and deciduous trees, the construction of single detached dwellings and accessory structure on these lands are unlikely to impact deer species.



WETLANDS

There is a wetland area shown on the Natural Heritage mapping. This wetland is not identified as Provincially significant. The nearest Provincially significant Wetland (PSW) is located in Magnetawan – 16 km east of these lands.

“12.02 Wetlands

- 12.02.1** *The Municipality recognizes the importance of wetlands for fish and wildlife preservation. It is the Municipality's intention to protect wetlands and restrict development on, in or adjacent to, wetlands unless it is demonstrated that there are no adverse impacts on the wetland.*
- 12.02.2** *The Municipality may place wetlands in an environmentally sensitive category in the Official Plan and identify these on the land use schedule or in the comprehensive zoning by-law. Development will be prohibited in these areas. Where there are wetlands that have not been designated or identified in the implementing zoning by-law, development should be directed away from these wetlands. “*

PROVINCIAL POLICY STATEMENTS (P.P.S)

The lands are subject to the 2020 provincial policies.

These lands are considered Rural lands and are subject to section 1.1.5.

“1.1.5 Rural Lands in Municipalities

- 1.1.5.1** *When directing development on rural lands, a planning authority shall apply the relevant policies of Section 1: Building Strong Healthy Communities, as well as the policies of Section 2: Wise Use and Management of Resources and Section 3: Protecting Public Health and Safety.*
- 1.1.5.2** *On rural lands located in municipalities, permitted uses are:*
- a) the management or use of resources;*
 - b) resource-based recreational uses (including recreational dwellings);*
 - c) residential development, including lot creation, which is locally appropriate;*
 - d) agricultural uses, agriculture-related uses, on-farm diversified uses and normal farm practices, in accordance with provincial standards;*
 - e) home occupations and home industries;*
 - f) cemeteries; and*

g) other rural land uses.

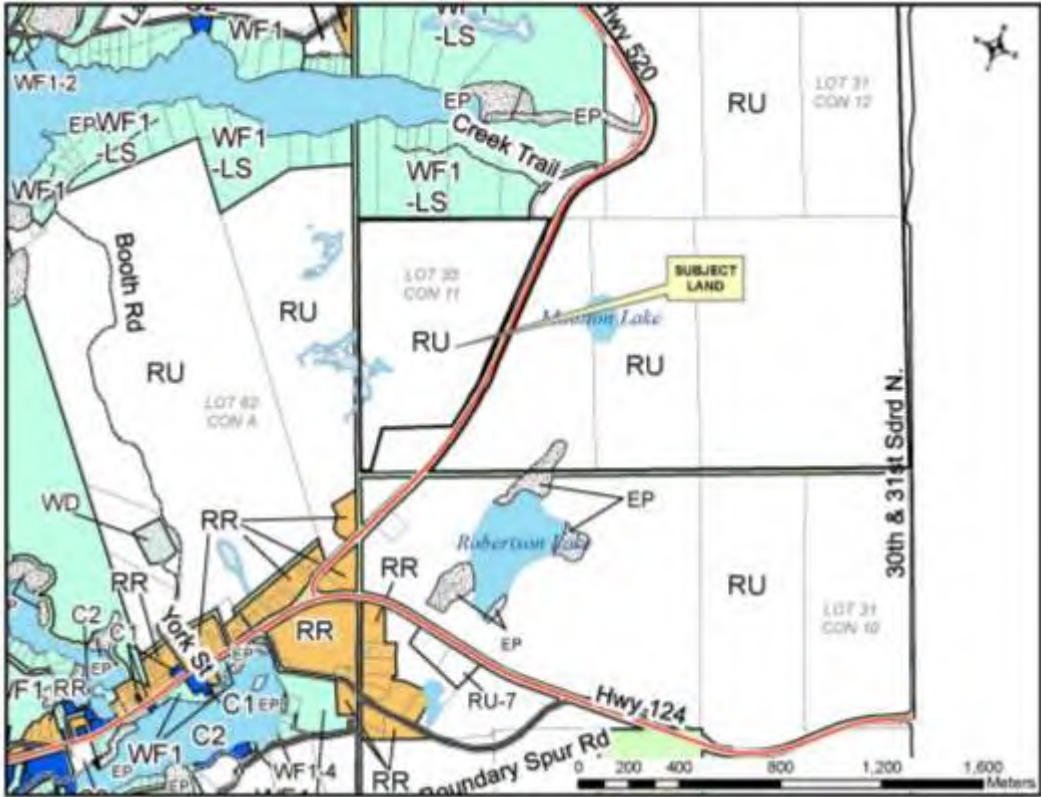
- 1.1.5.3 Recreational, tourism and other economic opportunities should be promoted.***
- 1.1.5.4 Development that is compatible with the rural landscape and can be sustained by rural service levels should be promoted.***
- 1.1.5.5 Development shall be appropriate to the infrastructure, which is planned or available, and avoid the need for the unjustified and/or uneconomical expansion of this infrastructure.***
- 1.1.5.6 Opportunities should be retained to locate new or expanding land uses that require separation from other uses.***

There are no inconsistencies with these policies.

ZONING BY-LAW

The subject lands are zoned Rural (RU) in the Municipality's Zoning By-law.

The proposed lots exceed the Rural standard of 100 metres frontage and 2.0 hectares in area.



RECOMMENDATION

That the proposed consent to allow the creation of three (3) new rural lots at 162 Highway No. 520 Lots 34 & 35, Concession 11, Geographic Township of Croft as applied for by John Ireland in Application No. B39/2024(W) be approved subject to the following conditions:

- 1. Payment of a Parkland dedication fee in accordance with the Municipality's fee By-Law;
- 2. Receiving adequate 911 addressing for the lots;
- 3. Payment of all applicable planning board fees.

Respectfully,

Patrick Christie, C.P.T.
Secretary-Treasurer
Parry Sound Area Planning Board

Subject: RE: 162 Highway 520, Whitestone
From: "Geauvreau, Jamie (MTO)" <Jamie.Geauvreau2@ontario.ca>
Date: 2024-10-11, 10:44 a.m.
To: Parry Sound Area Planning Board <psapb@vianet.ca>
CC: "Burke, Debra A. (MTO)" <Debra.A.Burke@ontario.ca>

Hi Patrick,

Thank you for the opportunity to comment on the proposed consent application for three new lots at 162 Highway 520 in Whitestone. This application would see the creation of 3 lots and one retained lot all fronting Highway 520 with each lot having access to Highway 520. The Ministry of Transportation of Ontario (MTO) would not object in principle to the proposed consent for severance of the subject property and would permit a single residential entrance to the severed lots and retained lot upon perfection of the severance.

Please take note of the following, which are not requested as conditions of approval, but which are notes that the applicant should be aware of. Entrance permits will be required from the Ministry of Transportation prior to the establishment of entrances to Highway 520 for either of the severed lots or the retained lot. An entrance permit is required for the construction of an entrance to a Provincial Highway, a change in use of an existing entrance to a Provincial Highway, a change in property ownership, and/ or modification /alteration of an existing entrance to a highway. All entrances must be constructed to ministry standards. An entrance to a Provincial Highway must not be constructed or altered without an MTO entrance permit.

MTO building and land use permits will be required for any new buildings and structures or site alterations including grading or paving, septic systems, and wells, etc. located within 180 metres of the centre point of an intersection of Highway 520 or within 45 metres of the property limit along Highway 520. New buildings and structures must maintain a minimum setback of 8 metres from the highway property line, and wells must maintain a minimum setback of 30 metres from the highway property line.

Further information on MTO permit requirements and applications is available at www.hcms.mto.gov.on.ca.

Please provide a Notice of Decision once the severance of the property is completed.

Regards,
Jamie

Jamie Geauvreau
A/Corridor Management Planner | Corridor Management/Operations Division
North Region – Area East

Ministry of Transportation | Ontario Public Service
705-492-6410 | jamie.geauvreau2@ontario.ca



Taking pride in strengthening Ontario, its places and its people

From: Parry Sound Area Planning Board <psapb@vianet.ca>
Sent: Friday, October 4, 2024 1:17 PM
To: Geauvreau, Jamie (MTO) <Jamie.Geauvreau2@ontario.ca>
Cc: tanholf@gmail.com
Subject: 162 Highway 520, Whitestone

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.
Hello Jamie,

I have received the attached consent application for three new lots at 162 Highway 520 in Whitestone.

The applicant's assistant has noted in the application that there are two existing entrances from Highway 520 on these lands.

This application is directly across from a consent for two lots approved for Tustin in 2022.

Could you please provide comments on the proposed consent so that I can proceed to process this application?

Many thanks,

Patrick Christie, C.P.T.
Secretary-Treasurer
Parry Sound Area Planning Board

1 Mall Drive, Unit#2

Parry Sound, ON


P2A 3A9

psapb@vianet.ca

Phone: 705-746-5216

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CONSENT AGENDA



DRAFT Regular Council Meeting Minutes
Tuesday, November 19, 2024, 10:00 a.m.
Dunchurch Community Centre and Zoom Video Conferencing

Present: Mayor George Comrie
Councillor Janice Bray
Councillor Joe Lamb
Councillor Scott Nash via audio/video conferencing
Councillor Brian Woods via audio/video conferencing

Staff
Michelle Hendry CAO/Clerk
David Creasor, Manager Public Works 2:50 p.m. to 6:50 p.m.
Maneesh Kulal, Treasurer / Tax Collector 2:10 p.m. to 6:50 p.m.
Paula Macri, Planning Assistant 1:20 p.m. to 6:50 p.m.
Jamie Osborne, Chief Building Official 3:45 p.m. to 5:35 p.m.
Wendy Schroeder, Deputy Clerk 10:00 a.m. to 10:15 a.m.;
12:50 p.m. to 8:00 p.m.
Bob Whitman, Fire Chief via audio/video conferencing 12:50 p.m. to 5:15, in person 5:40 p.m. to 6:50 p.m.

Invited Guests: Patrick Townes, MHBC Planners via audio/video conferencing
Patrick Christie, Parry Sound Area Planning Board via audio/video conferencing

Other Guests: 0 in person
9 via Zoom

- 1. **Roll Call and Call to Order** 10:05 a.m.
- 2. **Disclosure of Pecuniary Interest**
Mayor Comrie requested that any pecuniary interest be declared for the record. None was declared.
- 3. **Approval of the Agenda**

Resolution No. 2024-426
Moved by: Councillor Lamb
Seconded by: Councillor Bray

WHEREAS the Members of Council have been presented with an Agenda for the November 19, 2024 Regular Council meeting;

BE IT RESOLVED THAT the Agenda for this meeting be adopted as presented with the addition of the following:

10.5 By-law No. 63-2024, Being a By-Law to appoint an Interim Treasurer/Tax Collector for the Municipality of Whitestone and to repeal By-law 25-2022.

Carried

Resolution No. 2024-427

Moved by: Councillor Bray

Seconded by: Councillor Lamb

Suspension of Section 6.1.3 of By-law No. 80-2023, Procedural By-law

WHEREAS Section 3.2 of By-law No. 80-2023 (Procedural By-law) allows for the Suspension of By-law No. 80-2023 as follows:

3.2 Suspending Procedural By-law

- a) No provision of this Procedural By-law will be suspended except by a majority vote of Council for each incidence of suspension of the rules.
- b) The suspension will apply only to the procedure(s) or rule(s) which are stated within the motion to suspend and only during the meeting in which such motion was introduced.
- c) The following procedure(s) or rule(s) cannot be suspended:
 - i. No other business in Special Council meetings;
 - ii. Majority of members for quorum; and
 - iii. Rules or regulations set out by legislation

AND WHEREAS Section 6.1.3 of By-law No. 80-2023 (Procedural By-law) states the following:

The Council Meeting will consider the items to be dealt with in accordance with the order that is set out in the Agenda unless otherwise approved by Council.

NOW THEREFORE BE IN RESOLVED THAT Section 6.1.3 of By-law No. 80-2023 is hereby be suspended to allow for Section 15 of the November 19, 2024 Council Meeting Agenda (Closed Session including Matters Arising) to be the next item on the Agenda addressed.

Carried

Move into Closed Session

Resolution No. 2024-428

Moved by: Councillor Bray

Seconded by: Councillor Lamb

THAT this meeting be adjourned into a Closed Session meeting at 10:23 a.m. for the following matters:

15. Closed Session

15.1 Closed Session Minutes of the Special Closed Session Council meeting of Thursday, October 3, 2024

- 15.2 Closed Session Minutes of the Regular Closed Session Council meeting of Tuesday, October 15, 2024
- 15.3 Personal matters about an identifiable individual, including municipal or local board employees pursuant to Ontario Municipal Act, Section 239(2)(b)
- 15.3.1 Human Resources matter
Verbal update from Mayor Comrie and Councillor Bray
- 15.3.2 Human Resources matter
- 15.3.3 Human Resources matter
- 15.3.4 By-law Enforcement Officer (information provided in respect of item 10.2)
- By-law Enforcement Officer, Independent Contractor Agreement
 - Information from Thomas Agnew, Hicks Morley LLP
- 15.4 A proposed or pending acquisition or disposition of land by the municipality or local board, pursuant to Ontario Municipal Act, Section 239 (2) (c)
- Appraisal of Municipal lands, Jennings-Johnson
- 15.5 Advice that is subject to solicitor-client privilege, including communications necessary for that purpose, pursuant to Ontario Municipal Act, Section 239. (2) (f)
- Jennifer Biggar, Bolger Landing matters and encroachment agreements (information provided in respect of item 5.3)
- 15.6 A position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of the municipality or local board pursuant to *Ontario Municipal Act*, Section 239(2)(k)
- West Parry Sound Health Centre (Nursing Station) Lease agreement

Carried

RECORDING PAUSED

RECESS 12:15 to 12:50 p.m.

Reconvene into Regular Meeting

Resolution No. 2024-429

Moved by: Councillor Bray

Seconded by: Councillor Lamb

THAT this meeting be reconvened to a Regular Meeting at 1:14 p.m.

Carried

RECORDING RESUMED

Matters arising from Closed Session

Resolution No. 2024-430

Moved by: Councillor Lamb

Seconded by: Councillor Bray

15.1 Closed Session Minutes of the Special Council meeting of Thursday October 3, 2024

THAT the Council of the Municipality of Whitestone hereby approves the Closed Session Council Minutes of Thursday, October 3, 2024.

Carried

Resolution No. 2024-431

Moved by: Councillor Lamb

Seconded by: Councillor Bray

15.2 Closed Session Minutes of the Regular Council meeting of Tuesday October 15, 2024

THAT the Council of the Municipality of Whitestone hereby approves the Closed Session Council Minutes of Tuesday October 15, 2024.

Carried

Resolution No. 2024-432

Moved by: Councillor Bray

Seconded by: Councillor Lamb

15.5 Advice that is subject to solicitor-client privilege, including communications necessary for that purpose, pursuant to Ontario Municipal Act, Section 239. (2) (f)

THAT the Council of the Municipality of Whitestone receives for information the advice from Jennifer Biggar, regarding Bolger Landing matters and encroachment agreements.

Councillor Nash abstained

Carried

RECESS AT 1:15 to 1:26

4. Presentations and Delegations - None

Resolution No. 2024-433

Moved by: Councillor Woods

Seconded by: Councillor Bray

Move into Committee of the Whole

THAT the Council of the Municipality of Whitestone move into Committee of the Whole at 1:26 p.m.

Carried

5. Committee of the Whole

- 5.1 Draft Short Term Rental Unit By-law
 - Memorandum from Paula Macri
- 5.2 Economic Development
 - Memorandum from Mayor Comrie
- 5.3 Report ADMIN-2024-15
 - Consideration of an Encroachment permit system for rail systems / shore dockers

Point of Privilege raised by Councillor Nash regarding the comment made by Mayor Comrie.

Mayor Comrie asked Deputy Mayor Lamb to assume the chair to rule on the Point of Privilege.

Deputy Mayor Lamb suggested that Mayor Comrie withdraw his comment. Mayor Comrie withdrew his remark.

Mayor Comrie resumed the chair.

Planning Matters

- 5.4 Application to Purchase and Close Shore Road Allowance, STRONG, Julie
 - Memorandum from MHBC, Planner Report date of November 19, 2024
- 5.5 Application to Purchase and Close Shore Road Allowance, STRONG, Jeffrey
 - Memorandum from MHBC, Planner Report date of November 19, 2024
- 5.6 Consent Application No. 37/2024(W) – BRITTON, Joseph and Karlee
 - Memorandum from Parry Sound Area Planning Board dated October 11, 2024
- 5.7 Consent Application No. 38/2024(W) – BAIRD, John and Phyllis
 - Memorandum from Parry Sound Area Planning Board dated November 5 2024

Reconvene into Regular Meeting

Resolution No. 2024-434

Moved by: Councillor Lamb

Seconded by: Councillor Woods

THAT the Council of the Municipality of Whitestone reconvene into the Regular Meeting at 3:11 p.m.

Carried

Matters Arising from Committee of the Whole

Resolution No. 2024-435

Moved by: Councillor Bray

Seconded by: Councillor Lamb

5.1 Draft Short-Term Rental Unit By-law

THAT the Council of the Municipality of Whitestone receives for information the Memorandum from Paula Macri, Planning Assistant, dated November 1, 2024 in regards to the updated Draft Short-Term Rental Unit By-law; and

THAT the Council of the Municipality of Whitestone requests that Staff incorporate the amendments and edits as discussed, and undertake a legal review of the proposed Short-Term Rental Unit By-law as amended.

Carried

Resolution No. 2024-436

Moved by: Councillor Lamb

Seconded by: Councillor Woods

5.2 Economic Development

THAT the Council of the Municipality of Whitestone receives for information the Memorandum from Mayor Comrie regarding the future of the West Parry Sound Economic Development Collaborative (WPSEDC – “Bay and Beyond”).

Carried

RECESS 3:20 p.m. to 3:25 p.m.

Resolution No. 2024-437

Moved by: Councillor Woods

Seconded by: Councillor Nash

5.3 Report ADMIN-2024-15

THAT the Council of the Municipality of Whitestone receives for information Report ADMIN-2024-15 (Consideration of an Encroachment permit system for rail systems / shore dockers); and

THAT Council direct staff not to implement an encroachment agreement process; and

THAT Council require all shore dockers adjacent to Bolger Landing on the Municipal shore road allowance and not fronting on private property, to be removed by July 7th, 2025; and

THAT, should a shore docker not be removed by the above date, it will be removed by municipal staff or a contractor.

Recorded vote requested by Councillor Woods

Call Order			YEAS	NAYS	ABSTAIN
2	Councillor	Bray	X		
3	Councillor	Lamb	X		
4	Councillor	Nash	X		
1	Councillor	Woods	X		
5	Mayor	Comrie		X	

Carried

Planning Items

Resolution No. 2024-438

Moved by: Councillor Nash

Seconded by: Councillor Woods

- 5.4 Application to Purchase and Close Shore Road Allowance, STRONG, Julie and STRONG, William (Estate)

WHEREAS an application has been submitted by Julie Strong for the closing and acquisition of the shore road allowance fronting Part Lot 29, Concession 6 in the geographic Township of McKenzie;

AND WHEREAS MHBC, Planners, have provided a report dated November 19, 2024;

AND WHEREAS there are no Official Plan conflicts, environmental concerns or planning issues with respect to this application;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone approves in principle, the closure and acquisition of the shore road allowance fronting Part Lot 29, Concession 6, in the geographic Township of McKenzie, as applied for by Julie Strong, subject to:

- 1) Practices, procedures and fees of the Municipality for closing of Shore Road Allowances.

Recorded vote as per Procedural By-law 80-2023 Section 3.19

Call Order			YEAS	NAYS	ABSTAIN
1	Councillor	Bray	X		
2	Councillor	Lamb	X		
3	Councillor	Nash		X	
4	Councillor	Woods		X	

5 Mayor Comrie X

Carried

Resolution No. 2024-439

Moved by: Councillor Lamb

Seconded by: Councillor Bray

5.5 Application to Purchase and Close Shore Road Allowance, STRONG, Jeffrey and Julie

WHEREAS an application has been submitted by Jeffrey Strong and Julie Strong for the closing and acquisition of the shore road allowance fronting Part Lot 28, Concession 6 in the geographic Township of McKenzie;

AND WHEREAS MHBC, Planners, have provided a report dated November 19, 2024;

AND WHEREAS there are no Official Plan conflicts, environmental concerns or planning issues with respect to this application;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone approves in principle, the closure and acquisition of the shore road allowance fronting Part Lot 28, Concession 6, in the geographic Township of McKenzie, as applied for by Jeffrey Strong and Julie Strong, subject to:

- 1) Practices, procedures and fees of the Municipality for closing of Shore Road Allowances.

Recorded vote as per Procedural By-law 80-2023 Section 3.19

Call Order		YEAS	NAYS	ABSTAIN
4	Councillor Bray	X		
1	Councillor Lamb	X		
2	Councillor Nash		X	
3	Councillor Woods		X	
5	Mayor Comrie	X		

Carried

Resolution No. 2024-440

Moved by: Councillor Nash

Seconded by: Councillor Woods

5.6 Consent Application No. 37/2024(W) – BRITTON, Joseph and Karlee

WHEREAS Patrick Christie, C.P.T., has prepared a report for the Parry Sound Area Planning Board regarding Consent Application B37/2024(W) – BRITTON, Karlee and Joseph and provided a copy to the Municipality of Whitestone;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone receives this memorandum as information;

AND THAT the Council of the Municipality of Whitestone recommends this Consent Application for approval in principle, subject to the following conditions:

1. that payment of a parkland dedication fee be made in accordance with the current Municipal fees and charges By-law;
2. that the new lot receive 911 addressing from the Municipality;
3. that a notation be placed on title of the newly created lot, noting the existing sand pit on McEwen's lands (PIN 52089-0279);
4. that all applicable planning board fees be paid to the Parry Sound Area Planning Board; and
5. that payment of all Municipal planning consultant fees and all other fees associated with the processing of this application be paid.

AMENDMENT PROPOSED BY COUNCILLOR NASH:

Resolution No. 2024-441

Moved by: Councillor Lamb

Seconded by: Councillor Bray

5.6 Consent Application No. 37/2024(W) – BRITTON, Joseph and Karlee

THAT the motion be amended to add condition:

6. That the Municipality determine that there exists a suitable location for an entrance permit for the new severed lot.

Recorded vote as per Procedural By-law 80-2023 Section 3.19

Call Order		YEAS	NAYS	ABSTAIN
3	Councillor Bray	X		
4	Councillor Lamb	X		
1	Councillor Nash	X		
2	Councillor Woods	X		
5	Mayor Comrie	X		

Carried

Motion as amended:

Resolution No. 2024-440

Moved by: Councillor Nash

Seconded by: Councillor Woods

5.6 Consent Application No. 37/2024(W) – BRITTON, Joseph and Karlee

WHEREAS Patrick Christie, C.P.T., has prepared a report for the Parry Sound Area Planning Board regarding Consent Application B37/2024(W) – BRITTON, Karlee and Joseph and provided a copy to the Municipality of Whitestone;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone receives this memorandum as information;

AND THAT the Council of the Municipality of Whitestone recommends this Consent Application for approval in principle, subject to the following conditions:

- 1 that payment of a parkland dedication fee be made in accordance with the current Municipal fees and charges By-law;
- 2 that the new lot receive 911 addressing from the Municipality;
- 3 that a notation be placed on title of the newly created lot, noting the existing sand pit on McEwen’s lands (PIN 52089-0279);
- 4 that all applicable planning board fees be paid to the Parry Sound Area Planning Board; and
- 5 that payment of all, Municipal planning consultant fees and all other fees associated with the processing of this application be paid.
- 6 That the Municipality determines that there exists a suitable location for an entrance permit for the new severed lot.

Recorded vote as per Procedural By-law 80-2023 Section 3.19

Call Order			YEAS	NAYS	ABSTAIN
2	Councillor	Bray	X		
3	Councillor	Lamb	X		
4	Councillor	Nash	X		
1	Councillor	Woods	X		
5	Mayor	Comrie	X		

Carried

Resolution No. 2024-442

Moved by: Councillor Bray

Seconded by: Councillor Nash

5.7 Consent Application No. 38/2024(W) – BAIRD, John and Phyllis

WHEREAS Patrick Christie, C.P.T., has prepared a report for the Parry Sound Area Planning Board regarding Consent Application B38/2024(W) – BAIRD, John and Phyllis and provided a copy to the Municipality of Whitestone;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone receives this memorandum as information;

AND THAT the Council of the Municipality of Whitestone recommends this Consent Application for approval in principle, subject to the following conditions:

1. that the applicants' solicitor confirms in writing that the transferred lands merge in title with the benefitting lands
2. that all applicable planning board fees be paid to the Parry Sound Area Planning Board; and
3. that payment of all Municipal legal fees, Municipal planning consultant fees and all other fees associated with the processing of this application be paid.

Recorded vote as per Procedural By-law 80-2023 Section 3.19

Call Order			YEAS	NAYS	ABSTAIN
1	Councillor	Bray	X		
2	Councillor	Lamb	X		
3	Councillor	Nash	X		
4	Councillor	Woods	X		
5	Mayor	Comrie	X		

Carried

2) **Public Meeting** – None

3) **Consent Agenda**

Councillor Lamb left the meeting from 4:32 to 4:35

Resolution No. 2024-443

Moved by: Councillor Bray

Seconded by: Councillor Nash

WHEREAS the Council of the Municipality of Whitestone has reviewed the Consent Agenda consisting of:

7.1 Council and Committee Meeting Minutes

- 7.1.1 Special Council Meeting Minutes of October 3, 2024
- 7.1.2 Regular Council Meeting Minutes of October 15, 2024
- 7.1.3 Special Council Meeting Minutes of November 1, 2024
- 7.1.4 Whitestone Cemetery Board Meeting Minutes of May 2, 2024
- 7.1.5 Whitestone Cemetery Board Meeting *draft* Minutes of October 10, 2024
- 7.1.6 Whitestone Library Board Minutes of June 22 2024
- 7.1.7 Recreation Committee Minutes of July 25, 2024
- 7.1.8 Recreation Committee Minutes of August 22, 2024
- 7.1.9 Recreation Committee Minutes of September 26, 2024

7.2 Unfinished Business (listed on page 6 and 7 of the agenda)

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone hereby approves the following Council Meeting Minutes:

7.1 Council and Committee Meeting Minutes

- 7.1.1 Special Council Meeting Minutes of October 3, 2024
- 7.1.2 Regular Council Meeting Minutes of October 15, 2024

7.1.3 Special Council Meeting Minutes of November 1, 2024

AND THAT the Council of the Municipality of Whitestone receives for information:

- 7.1.4 Whitestone Cemetery Board Meeting Minutes of May 2, 2024
- 7.1.5 Whitestone Cemetery Board Meeting *draft* Minutes of October 10, 2024
- 7.1.6 Whitestone Library Board Minutes of June 22 2024
- 7.1.7 Recreation Committee Minutes of July 25, 2024
- 7.1.8 Recreation Committee Minutes of August 22, 2024
- 7.1.9 Recreation Committee Minutes of September 26, 2024

7.2 Unfinished Business (listed on page 6 to 7 of the agenda)

Carried

8. Accounts Payable

Resolution No. 2024-444

Moved by: Councillor Lamb

Seconded by: Councillor Bray

THAT the Council of the Municipality of Whitestone receives for information the Accounts Payable listing in the amount of \$424,802.20 for the period ending November 5, 2024.

Carried

9. Staff Reports

Resolution No. 2024-445

Moved by: Councillor Bray

Seconded by: Councillor Woods

- 9.1 Report ADMIN-2024-14
November 2024, Status update AODA five-year plan

THAT the Council of the Municipality of Whitestone receives for information Report ADMIN-2024-14 (November 2024, Status update AODA five-year plan).

Carried

Resolution No. 2024-446

Moved by: Councillor Lamb

Seconded by: Councillor Woods

- 9.2 Report PW-2024-12
Boat Launches and Open Spaces, Annual Report

THAT the Council of the Municipality of Whitestone receives for information Report PW-2024-12 (Boat Launches and Open Spaces, Annual Report).

Carried

Resolution No. 2024-447

Moved by: Councillor Woods

Seconded by: Councillor Lamb

- 9.3 Report ADMIN-2024-16
Q3 Legal Expenses

THAT the Council of the Municipality of Whitestone receives for information Report ADMIN-2024-16 (Q3 Legal Expenses).

Carried

Resolution No. 2024-448

Moved by: Councillor Bray

Seconded by: Councillor Lamb

- 9.4 Report PLN-2024-05
Q3 2024 Planning Services

THAT the Council of the Municipality of Whitestone receives for information Report PLN-2024-05 (Q3 2024 Planning Services).

Carried

Resolution No. 2024-449

Moved by: Councillor Woods

Seconded by: Councillor Nash

- 9.5 Report BLDG-2024-04
Q3 2024 Building Services and Building Permit Status lists, 2015 to 2024

THAT the Council of the Municipality of Whitestone receives for information Report BLDG-2024-04 (Q3 2024 Building Services and Building Permit Status lists, 2015 to 2024)

Carried

Resolution No. 450

Moved by: Councillor Lamb

Seconded by: Councillor Bray

Curfew

WHEREAS Section 6.5.2 Daytime meetings (commencing prior to 4:00 p.m.) of the Municipality of Whitestone Procedural By-law No. 80-2023, being a By-law to establish protocols governing the proceedings of Council, Committee and Boards of the Corporation of the Municipality of Whitestone, states:

No item of business may be dealt with at a Council meeting after seven (7.0) hours of the meeting unless authorized by a resolution supported by a majority of the Members present, to allow an additional agreed upon length of time.

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone hereby continues the November 19, 2024 Regular Council Meeting past the allotted time of seven (7.0) hours and continues for an additional 1.5 hour(s).

Carried

RECESS 5:38 p.m. to 5:50 p.m.

Resolution No. 2024-451

Moved by: Councillor Woods

Seconded by: Councillor Bray

9.6 Report FIRE-2024-03
Q3 2024 Fire and Rescue Services

THAT the Council of the Municipality of Whitestone receives for information Report FIRE-2024-03 (Q3 2024 Fire and Rescue Services).

Carried

Secondary motion suggested by Councillor Nash

Resolution No. 2024-452

Moved by: Councillor Nash

Seconded by: Councillor Woods

9.6 Report FIRE-2024-03
Q3 2024 Fire and Rescue Services

THAT the Council of the Municipality of Whitestone direct staff to undertake snow plowing of the helipad until such time as a contractor takes over the plowing and awarded by Council.

Recorded vote requested by Councillor Nash

Call Order		YEAS	NAYS	ABSTAIN
4	Councillor Bray	X		
1	Councillor Lamb	X		
2	Councillor Nash	X		
3	Councillor Woods	X		
5	Mayor Comrie	X		

Carried

Resolution No. 2024-453

Moved by: Councillor Bray

Seconded by: Councillor Nash

9.7 Report FIN-2024-13
Q3 2024 Finance Variance Report

THAT the Council of the Municipality of Whitestone receives for information Report FIN-2024-13 (Q3 Finance Variance Report).

Carried

Resolution No. 2024-454

Moved by: Councillor Nash

Seconded by: Councillor Woods

9.7 Ancillary motion re. grinding at Auld’s Landfill Site

THAT the Council of the Municipality of Whitestone authorize staff to have the selected contractor exceed the established budget for grinding at Auld’s Landfill Site.

Carried

10. By-laws

Resolution No. 2024-455

Moved by: Councillor Bray

Seconded by: Councillor Lamb

10.1 **THAT** By-law No. 59-2024 being a By-law to enter into an Agreement for Conditions of Approval of Consent B43/2022(W) – SKEBA, Ilona and Chris, is hereby passed this 19th day of November, 2024.

Recorded vote as per Procedural By-law 80-2023 Section 3.19

Call Order		YEAS	NAYS	ABSTAIN
3	Councillor Bray	X		
4	Councillor Lamb	X		
1	Councillor Nash	X		
2	Councillor Woods	X		
5	Mayor Comrie	X		

Carried

Resolution No. 2024-456

Moved by: Councillor Lamb

Seconded by: Councillor Bray

10.3 **THAT** By-law No. 61-2024, being a By-law to adopt an Emergency Response Plan for the Municipality of Whitestone and to repeal By-law No. 79-2023, is hereby passed this 19th day of November, 2024.

Carried

Resolution No. 2024-457

Moved by: Councillor Nash

Seconded by: Councillor Woods

10.4 **THAT** By-law No. 62-2024, being a By-law to enter into an agreement with the WahWashKesh Conservation Association for the transfer of ownership of the docks and associated structures at Bennett’s Bay Landing and Indian Narrows from the Lake WahWashKesh Conservation Association to the Municipality of Whitestone, is hereby passed this 19th day of November, 2024.

Carried

Resolution No. 2024-458

Moved by: Councillor Bray

Seconded by: Councillor Lamb

10.5 **THAT** By-law No. 63-2024 being a By-Law to appoint an Interim Treasurer/Tax Collector for the Municipality of Whitestone and to repeal By-law 25-2022, is hereby passed this 19th day of November, 2024.

Carried

11. Business Matters

Resolution No. 2024-459

Moved by: Councillor Nash

Seconded by: Councillor Lamb

11.1 Memorandum from M Hendry CAO/Clerk – proposed 2025 Regular Council Meeting Schedule

THAT the Council of the Municipality of Whitestone receives for information the Memorandum – proposed 2025 Regular Council Meeting Schedule;

AND THAT the Council of the Municipality of Whitestone approves the 2025 Regular Council Meeting Schedule.

AMENDMENT TO ITEM 11.1

Resolution No. 2024-460

Moved by: Councillor Lamb

Seconded by: Councillor Bray

THAT the Council of the Municipality of Whitestone move its January 2025 meeting to Thursday, January 23rd, 2025 because of ROMA.

Recorded vote requested by Councillor Nash

Call Order		YEAS	NAYS	ABSTAIN
2	Councillor Bray	X		
3	Councillor Lamb	X		
4	Councillor Nash	X		
1	Councillor Woods	X		
5	Mayor Comrie	X		

Carried

Resolution No. 2024-459

Moved by: Councillor Nash

Seconded by: Councillor Lamb

11.1 Memorandum from M Hendry CAO/Clerk – proposed 2025 Regular Council Meeting Schedule

THAT the Council of the Municipality of Whitestone receives for information the Memorandum – proposed 2025 Regular Council Meeting Schedule;

AND THAT the Council of the Municipality of Whitestone approves the 2025 Regular Council Meeting Schedule, as amended.

Carried

ITEMS 11.2, 11.3 and 11.4 DEFERRED to the December 10, 2024 Regular Council Meeting.

Resolution No. 2024-461

Moved by: Councillor Lamb

Seconded by: Councillor Woods

11.5 Contract Award
RFP 2024-09, Official Plan Five Year Review and Comprehensive Zoning By-law Update

THAT the Council of the Municipality of Whitestone hereby awards the contract for RFP 2024-09, Official Plan Five Year Review and Comprehensive Zoning By-law Update, to:

JL Richards Planners / MHBC Planners

AMENDMENT TO ITEM 11.5

Resolution No. 2024-462

Moved by: Councillor Lamb

Seconded by: Councillor Woods

11.5 Contract Award
RFP 2024-09, Official Plan Five Year Review and Comprehensive Zoning By-law Update

THAT Council award the contract to MHBC Planners if they are willing to decrease their price by \$10,000.00

Recorded vote requested by Councillor Lamb / Procedural By-law 80-2023

Call Order			YEAS	NAYS	ABSTAIN
4	Councillor	Bray		X	
1	Councillor	Lamb	X		
2	Councillor	Nash	X		
3	Councillor	Woods	X		
5	Mayor	Comrie		X	

Carried

Resolution No. 2024-461

Moved by: Councillor Lamb

Seconded by: Councillor Woods

- 11.5 Contract Award
RFP 2024-09, Official Plan Five Year Review and Comprehensive Zoning By-law Update

THAT the Council of the Municipality of Whitestone hereby awards the contract for RFP 2024-09, Official Plan Five Year Review and Comprehensive Zoning By-law Update, to MHBC Planners, if they agree to the amendment.

Recorded vote as per Procedural By-law 80-2023 section 3.19

Call Order			YEAS	NAYS	ABSTAIN
1	Councillor	Bray		X	
2	Councillor	Lamb	X		
3	Councillor	Nash	X		
4	Councillor	Woods	X		
5	Mayor	Comrie		X	

Carried

Resolution No. 463

Moved by: Councillor Bray

Seconded by: Councillor Woods

Curfew

WHEREAS Section 6.5.2 Daytime meetings (commencing prior to 4:00 p.m.) of the Municipality of Whitestone Procedural By-law No. 80-2023, being a By-law to establish protocols governing the proceedings of Council, Committee and Boards of the Corporation of the Municipality of Whitestone, states:

No item of business may be dealt with at a Council meeting after seven (7.0) hours of the meeting unless authorized by a resolution supported by a majority of the Members present, to allow an additional agreed upon length of time.

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone hereby continues the November 19, 2024 Regular Council Meeting past the allotted time of seven (7.0) hours and continues for an additional 15 minutes.

Carried

Items 11.6 and 11.7 DEFERRED to the Regular Council Meeting of December 10 2024

12 Correspondence

Resolution No. 2024-464

Moved by: Councillor Woods

Seconded by: Councillor Bray

WHEREAS the Council of the Municipality of Whitestone has reviewed the Correspondence Items as listed on page 8 of the November 19, 2024 Council Meeting agenda,

NOW THEREFORE BE IT RESOLVED THAT Council receives the correspondence items for information, with the following extracted for further discussion / action at the December 10 2024 meeting:

Councillor Lamb:

- | | | |
|----|-----------------------|---|
| E1 | Township of McDougall | request to be removed from the Parry Sound Area Planning Board |
| E2 | Township of McKellar | Response to McDougall's request to be removed from Parry Sound Area Planning Board |
| L | Belvedere Heights | Request that municipalities return operating surplus sent by Belvedere due to revenue surplus |

Mayor Comrie:

- | | | |
|---|--------|---|
| G | Aurora | Request the redistribution of the Provincial Land Transfer Tax and GST to municipalities for sustainable infrastructure funding |
|---|--------|---|

Carried

13 Councillor Items

Councillor Lamb:

- Announced that that the library received a \$67,000 Trillium Grant to be used in large part to bring programming to Ardbeg – story times, early literacy, book club meetings, art workshops, between March and November; the grant in part pays for additional staff; a second grant - Leaf Program - has also been applied for
- Suggested that the Order of Whitestone plaque should be larger in order to better honour the recipients
- Volunteer appreciation event: when making a presentation from Council, all of Council members should be invited to make the presentation

Councillor Nash:

Asked how the projects in Ardbeg that are planned with the library grant were going to be communicated to residents and suggested a sign at the landfill site; Councillor Lamb advised that the library board and volunteers have contemplated this and have some plans to communicate programs to the residents

Councillor Woods:

- asked about the status of the After School Program; staff advised that the Program Coordinator has indicated she is hoping to be returning in December

14 Questions from the Public

15 Closed Session – held at beginning of meeting

16 Confirming By-law

Resolution No. 2024-465

Moved by: Councillor Lamb

Seconded by: Councillor Bray

THAT By-law No. 64-2024 being the Confirmatory By-law for the Regular Council meeting of the Municipality of Whitestone on November 19, 2024 is hereby enacted as passed this 19th day of November, 2024.

17 Adjournment

Resolution No. 2024-466

Moved by: Councillor Woods

Seconded by: Councillor Nash

WHEREAS the business of this Meeting has concluded;

NOW THEREFORE BE IT RESOLVED THAT this meeting be adjourned at 8:00 p.m. until the Regular Council Meeting of Tuesday, December 10, 2024 at 10:00 a.m. or at the call of the chair.

Carried

George Comrie, Mayor

Michelle Hendry, CAO/Clerk



**Emergency Management Program Committee meeting
held on Thursday, September 26, 2024, 5:00 p.m.
Dunchurch Community Centre**

Present: George Comrie, Mayor, **Council Representative**
David Creasor, Public Works Manager, **Operations Section Chief**
Eva Fincham, CEO Whitestone Library, **Information Officer**
Michelle Hendry, CAO/Clerk, **Liaison Officer**
John Stothers, **Alternate CEMC and Committee Chair**
Kathy Whitman, **CEMC**
Bob Whitman, Fire Chief (attended for discussion of Fire Smart Grant)

1. Roll Call and Call to Order 5:00 p.m.

Approval of the Agenda

Resolution No. 2024-01EMPC

Moved by: Michelle Hendry

Seconded by: Eva Fincham

WHEREAS the Members of the Emergency Management Program Committee have been presented with an Agenda for this meeting;

BE IT RESOLVED THAT the Agenda for this meeting be adopted as presented with the following addition:

Item 9 - There are multiple grants that the committee could apply for.

Carried

2. Draft Terms of Reference

The members discussed the draft Terms of Reference (TOR). Michelle Hendy, CAO-Clerk committed to obtain the date when Council determined the Emergency Management Program Committee (EMPC) membership.

It was agreed that EMPC may not necessarily follow the Municipality's Procedural By-law. Michelle Hendy committed to propose wording for the TOR.

The Committee discusses and agreed that it would be beneficial to have Fire Chief Bob Whitman as a member of the Committee.

Resolution No. 2024-02EMPC

Moved by: David Creasor

Seconded by: Mayor George Comrie

THAT Bob Whitman, Fire Chief be made a voting member of the EMPC.

Carried

3. Status of Compliance Activities

- CEMC Kathy Whitman reported on the status of compliance activities, stating that the activities will be covered during the discussion of other agenda items.

4. Proposed date for training

- A proposed date for the annual exercise was discussed. Nothing yet confirmed.
- Dave Creasor indicated his preference for a joint (West Parry Sound) annual exercise as opposed to a Whitestone staff only exercise. Others agreed that would be beneficial
- It was agreed that CEMC Kathy Whitman will ask the CEMC of Parry Sound, Chief Thompson, if there are plans for joint training.
- The possibility of receiving training from an external consultant was also discussed, possibly with funding from a grant.

5. Emergency Plan updates

- CEMC Kathy Whitman advised that she would like to make some minor updates to the current Emergency Plan this year but nothing extensive is anticipated
- Michelle Hendry advised that staff can assist where needed and Kathy is invited to work with Paula Macri for assistance with the updates
- It was agreed that any changes to the Plan that EMPC members would like to see in the Emergency Plan should be submitted to the CEMC by October 16, 2024, and the CEMC committed to submitting the proposed changes to staff by November 1, 2024.

6. Review of Hazard Identification & Risk Assessment (HIRA)

The Committee reviewed and discussed the HIRA

Resolution No. 2024-03EMPC

Moved by: Mayor George Comrie

Seconded by: Michelle Hendry

THAT the EMPC reviewed the Hazard Identification & Risk Assessment (HIRA), and it is recommended that the HIRA be approved unchanged.

Carried

7. Review of Critical Infrastructure

The Committee reviewed and discussed the list of critical infrastructure

Resolution No. 2024-04EMPC

Moved by: Eva Fincham

Seconded by: Mayor George Comrie

The EMPC reviewed the Municipality of Whitestone's critical infrastructure list and recommended the following changes for approval:

Deletions:

1. Hurdville Dam
2. McKellar Post Office

Addition:

1. Whitestone Public Library

Carried

8. Possible Grant Applications

Three possible grant applications were discussed.

- **FireSmart**

Fire Chief Whitman indicated he has done some research on this grant however no application has been submitted at this time. It was agreed that it would not be possible to submit a grant application for FireSmart this year since the deadline is Monday, September 30, 2024. It was suggested that an application be considered for next year (John Stothers indicated that from his experience there will likely be ongoing options for other FireSmart opportunities).

- **Flood Hazard Identification and Mapping Program (FHIMP)**

Michelle Hendry spoke to this grant opportunity and suggested that this grant was better suited for a regional submission. Further discussions would be beneficial. Application submission dates:

Two funding streams:

1. For proposals where any funds are requested prior to February 2025, applications will be accepted until 4:30 pm EST on October 9, 2024. This may include multi-year projects.
2. Where funds are not requested until or after February 2025, applications may be submitted through April 2027. This funding stream will remain open until that time, or until all funding has been allocated. Both single year and multi-year project proposals are eligible.

- **Emergency Preparedness Grant (Round 2)**
David Creasor, Public Works Manager committed to applying for the Community Emergency Preparedness grant based on last year's application made by Maneesh Kulal, Treasurer and Councilor Janice Bray.

9. Review of Public Information

- Eva Fincham reviewed the public information activities she has been performing which includes postings on Facebook and upcoming e-newsletters. The EMPC expressed its thanks for the high quality of her work.
- CEMC Kathy Whitman asked to be included in the out reach to staff and Committees for content for any hard copy newsletters. Michelle Hendry committed to letting Paula Macri know.

10. Recommendations to Council

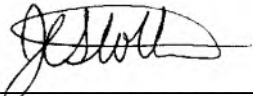
- See item 2 above

11. Next Meeting and Adjournment

WHEREAS the business of this Meeting has concluded.

BE IT RESOLVED THAT this Meeting be adjourned at 6:51 p.m. until the next meeting of Thursday, November 28, 2024 at 5:00 p.m. or at the call of the chair.

Carried



**Chairperson,
John Stothers, Alternate CEMC**

ACCOUNTS PAYABLE

**Municipality of Whitestone
List of Accounts for Approval**

Date Printed
11-28-2024 4:35 PM

Batch: 2024-00204 to 2024-00225

Bank Code- AP - AP-GENERAL OPER

COMPUTER CHEQUE

Payment # Invoice #	Date	Vendor Name GL Account	GL Transaction Description	Detail Amount	Payment Amount
37488	11-05-2024	VOID - Cheque Confirmation			
37489	11-05-2024	VOID - Cheque Confirmation			
37490	11-05-2024	VOID - Cheque Confirmation			
37491 174591	11-06-2024	Bell Canada - Public Access			
		16-787 - Recreation - Public Pa	Pay Telephone	50.88	
		11-210-2 - A/R HST Receivable	HST Tax Code	5.62	
		99-999-1 - HST (Statistical) Non	HST Tax Code	6.50 NL	56.50
37492	11-06-2024	VOID - Cheque Printing			
37493 5806	11-06-2024	Ben Prichard Professional Corp removal of tax arrears Certificate			
		16-120 - Admin - Legal Expense	legal fees	254.40	
		16-120 - Admin - Legal Expense	document registration	84.23	
		11-210-2- A/R HST Receivable	HST Tax Code	28.10	
		99-999-1 - HST (Statistical) Non	HST Tax Code	32.50 NL	366.73
37494 Oct. 14/24	11-06-2024	Eva Fincham			
		16-126 - Admin - Communication	Social posts - July - Septem	1,885.00	1,885.00
37495 198242	11-06-2024	Cunningham Swan Lawyers			
		16-120 - Admin - Legal Expense	legal services	610.56	
		11-210-2 - A/R HST Receivable	HST Tax Code	67.44	
		99-999-1 - HST (Statistical) Non	HST Tax Code	78.00 NL	678.00
198222		16-120 - Admin - Legal Expense	legal services	559.68	
		11-210-2- A/R HST Receivable	HST Tax Code	61.82	
		99-999-1 - HST (Statistical) Non	HST Tax Code	71.50 NL	621.50
198224		16-120 - Admin - Legal Expense	legal services	686.88	
		11-210-2 - A/R HST Receivable	HST Tax Code	75.87	
		99-999-1 - HST (Statistical) Non	HST Tax Code	87.75 NL	762.75
198238		16-120 - Admin - Legal Expense	legal services	457.92	
		11-210-2 - A/R HST Receivable	HST Tax Code	50.58	
		99-999-1 - HST (Statistical) Non	HST Tax Code	58.50 NL	508.50
198236		16-120 - Admin - Legal Expense	legal services	966.72	
		11-210-2- A/R HST Receivable	HST Tax Code	106.78	
		99-999-1 - HST (Statistical) Non	HST Tax Code	123.50 NL	1,073.50
			Payment Total:		3,644.25
37496 72961	11-06-2024	inline Reference Check Inc.			
		16-131 - Admin - HR Contingenc	reference check	752.52	
		11-210-2- A/R HST Receivable	HST Tax Code	83.12	
		99-999-1 - HST (Statistical) Non	HST Tax Code	96.14 NL	835.64
37497 Nov 4/24	11-06-2024	Jan Hill			
		16-790 - Recreation Cmttee-Pro	expenses re Christmas Cra	209.30	
		11-210-2- A/R HST Receivable	HST Tax Code	23.11	
		99-999-1 - HST (Statistical) Non	HST Tax Code	26.73 NL	232.41
37498	11-06-2024	Karl Leng			

Municipality of Whitestone
List of Accounts for Approval
 Batch: 2024-00204 to 2024-00225

Date Printed
 11-28-2024 4:35 PM

COMPUTER CHEQUE

Payment #	Date	Vendor Name	GL Account	GL Transaction Description	Detail Amount	Payment Amount
	Oct 24	RDD	15-329 - Roads Damage Deposi	Return of Rd Damage dep.	1,000.00	1,000.00
37499	11-06-2024	Service Ontario				
		Licence Renew	16-396 - Misc MTO Vehicle Plat	plate renew. BW73875, 701	4,917.00	4,917.00
		Nov 24 Licence	16-396 - Misc MTO Vehicle Plat	renewal of licence 919879	15.00	15.00
		Nov 24 L Renew	16-396 - Misc MTO Vehicle Plat	lic. renewal #AP78752,BC2	4,025.00	4,025.00
				Payment Total:		8,957.00
37500	11-06-2024	Harris Lake Marina				
	Oct 24/24		16-485 - Harris Lake Marina Dep	2024 garbage disposal	2,849.29	
			11-210-2 - A/R HST Receivable	HST Tax Code	314.71	
			99-999-1 - HST (Statistical) Non	HST Tax Code	364.00 NL	3,164.00
37501	11-06-2024	Parry Sound Area Planning Brd				
	24-040		16-841 - Parry Sound Area Plan	2024 Municipal Levy	5,000.00	5,000.00
37502	11-06-2024	PSD Citywide Inc.				
	22374		19-110-1 - AMP Consultan Phas	2025 Asset Mgmt Plan, leve	8,853.14	
			11-210-2 - A/R HST Receivable	HST Tax Code	977.86	
			99-999-1 - HST (Statistical) Non	HST Tax Code	1,131.00 NL	9,831.00
37503	11-06-2024	Simcoe Fence Company				
	3571		16-731-6 - 2211 HWY 124 Prop	fencing	1,017.60	
			19-810-1 - 2211 HWY 124 Lanc	fencing	6,108.87	
			11-210-2 - A/R HST Receivable	HST Tax Code	787.15	
			99-999-1 - HST (Statistical) Non	HST Tax Code	910.42 NL	7,913.62
37504	11-06-2024	Sun Life Assurance Company of Canada				
	00223495		16-094 - Council Health Benefit	EAP - council	39.69	
			11-210-2 - A/R HST Receivable	HST Tax Code	4.38	
			99-999-1 - HST (Statistical) Non	HST Tax Code	5.07 NL	44.07
37505	11-06-2024	Weeks Construction Inc.				
	99418		16-375 - Gravel-Summer Mainte	granular A	1,454.74	
			11-210-2 - A/R HST Receivable	HST Tax Code	160.69	
			99-999-1 - HST (Statistical) Non	HST Tax Code	185.85 NL	1,615.43
	99415		19-813-1 - Boat Launches	granular A	1,517.70	
			11-210-2 - A/R HST Receivable	HST Tax Code	167.64	
			99-999-1 - HST (Statistical) Non	HST Tax Code	193.89 NL	1,685.34
				Payment Total:		3,300.77
37506	11-06-2024	MHBC Planning LTD Lutz - CRA				
	5034845		16-843 - Planning & Developme	consulting fees	480.31	
			11-210-2 - A/R HST Receivable	HST Tax Code	53.05	
			99-999-1 - HST (Statistical) Non	HST Tax Code	61.36 NL	533.36
37507	11-13-2024	James Robbins				
	Permit Refund		15-720 - Licences/Permits	75% refund of permit fee-7E	419.00	419.00
37508	11-13-2024	Canadian Tire				
	Nov 6/24		16-210 - Fire - Miscellaneous	water	22.45	22.45
37509	11-13-2024	Minister of Finance-Policing				
	3328102412570		16-274 - Policing Levy	September Policing	34,007.00	34,007.00
37510	11-13-2024	Bell Mobility				
	Oct 2024		16-212 - Fire - Radio Tower & Ai	Fire Tower	119.77	
			11-210-2 - A/R HST Receivable	HST Tax Code	13.23	
			99-999-1 - HST (Statistical) Non	HST Tax Code	15.30 NL	133.00

Municipality of Whitestone
List of Accounts for Approval
Batch: 2024-00204 to 2024-00225

COMPUTER CHEQUE

Payment #	Date	Vendor Name	GL Transaction Description	Detail Amount	Payment Amount
Invoice #		GL Account			
Nov 2024		16-212 - Fire - Radio Tower & Ai	Fire Tower	119.77	
		11-210-2 - A/R HST Receivable	HST Tax Code	13.23	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	15.30 NL	133.00
			Payment Total:		266.00
37511	11-13-2024	Muskoka Millwrighting & Machining Ltd			
54189		16-404-3 - 2020 Freightliner Sn	supplies	647.24	
		11-210-2 - A/R HST Receivable	HST Tax Code	71.49	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	82.69 NL	718.73
37512	11-13-2024	MAP Sundridge			
890581		16-404 - 2017 Freightliner Singl	outstanding balance owing	5.82	
		11-210-2 - A/R HST Receivable	HST Tax Code	0.64	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	0.74 NL	6.46
37513	11-20-2024	Taurus Offset Inc			
02024184		16-238 - Station 1 - Supplies	medical first responder	166.84	
		11-210-2 - A/R HST Receivable	HST Tax Code	18.42	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	21.31 NL	185.26
37514	11-26-2024	1502701 Ontario Ltd.			
Nov. 18-refund		16-843 - Planning & Developme	Partial refund of MV deposit	297.79	297.79
37515	11-26-2024	Canadian Tire			
11960		16-258 - Station 2 - Supplies	supplies	28.45	
		11-210-2 - A/R HST Receivable	HST Tax Code	3.14	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	3.63 NL	31.59
37516	11-26-2024	Brent Duprey			
Nov. 19 - RDD		15-329 - Roads Damage Deposi	Return of Road Damage De	1,000.00	1,000.00
37517	11-26-2024	Jeff Flanagan			
Nov. 25/24		16-302 - Roads-Office-Wages/B	Boots Allowance	190.28	
		16-302 - Roads-Office-Wages/B	Clothing Allowance	147.03	
		11-210-2 - A/R HST Receivable	HST Tax Code	37.26	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	43.09 NL	374.57
37518	11-26-2024	MHBC Planning LTD			
5035115		16-843 - Planning & Developme	Building & Bylaw - Sept - Or	343.44	
		11-210-2 - A/R HST Receivable	HST Tax Code	37.94	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	43.88 NL	381.38
5035116		16-843 - Planning & Developme	Trailer By-law Review - Opti	371.93	
		11-210-2 - A/R HST Receivable	HST Tax Code	41.09	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	47.52 NL	413.02
5035117		16-843 - Planning & Developme	Berry Shore - Side Road All	190.80	
		11-210-2 - A/R HST Receivable	HST Tax Code	21.08	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	24.38 NL	211.88
5035118		16-843 - Planning & Developme	Jennings/Johnson Rd. Allov	190.80	
		11-210-2 - A/R HST Receivable	HST Tax Code	21.08	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	24.38 NL	211.88
5035119		16-843 - Planning & Developme	Lutz - Municipal Road Allow	278.31	
		11-210-2 - A/R HST Receivable	HST Tax Code	30.75	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	35.56 NL	309.06
5035120		16-843 - Planning & Developme	Kelly - Minor Variance	811.03	
		11-210-2 - A/R HST Receivable	HST Tax Code	89.58	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	103.61 NL	900.61

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COMPUTER CHEQUE

Payment #	Date	Vendor Name	GL Transaction Description	Detail Amount	Payment Amount
Invoice #		GL Account			
5035121		16-843 - Planning & Developme	Mirynech - Minor Variance	424.85	
		11-210-2 - A/R HST Receivable	HST Tax Code	46.93	
		99-999-1 - HST (Statistical) Non	HST Tax Code	54.28	NL 471.78
5035122		16-843 - Planning & Developme	Chaput - Minor Variance	406.02	
		11-210-2 - A/R HST Receivable	HST Tax Code	44.85	
		99-999-1 - HST (Statistical) Non	HST Tax Code	51.87	NL 450.87
5035113		16-843 - Planning & Developme	Planning Serv. - Overview &	241.68	
		11-210-2 - A/R HST Receivable	HST Tax Code	26.70	
		99-999-1 - HST (Statistical) Non	HST Tax Code	30.88	NL 268.38
			Payment Total:		3,618.86
37519	11-26-2024	Muskoka Millwrighting & Machining Ltd			
54277		16-404-3 - 2020 Freightliner Sn	Supply labour & materials	300.19	
		11-210-2 - A/R HST Receivable	HST Tax Code	33.16	
		99-999-1 - HST (Statistical) Non	HST Tax Code	38.35	NL 333.35
54279		16-404-3 - 2020 Freightliner Sn	Repair plow mount from wir	223.87	
		11-210-2 - A/R HST Receivable	HST Tax Code	24.73	
		99-999-1 - HST (Statistical) Non	HST Tax Code	28.60	NL 248.60
54307		16-404-3 - 2020 Freightliner Sn	Repair plow mount part #2	223.87	
		11-210-2 - A/R HST Receivable	HST Tax Code	24.73	
		99-999-1 - HST (Statistical) Non	HST Tax Code	28.60	NL 248.60
			Payment Total:		830.55
37520	11-26-2024	Tim Tilson			
Nov. 25/24		16-302 - Roads-Office-Wages/B	Clothing Allowance	138.38	
		11-210-2 - A/R HST Receivable	HST Tax Code	15.28	
		99-999-1 - HST (Statistical) Non	HST Tax Code	17.67	NL 153.66
37521	11-26-2024	Wendy Schroeder			
Nov. 25/24		16-123 - Admin - Volunteer Appi	Vol. & Staff Apprec. Din-Sui	600.00	600.00
			Total Computer Cheque:		89,296.27

ONLINE BANKING

Payment #	Date	Vendor Name	GL Transaction Description	Detail Amount	Payment Amount
Invoice #		GL Account			
OB-040	11-13-2024	Hydro One Networks Inc.-All			
Nov 2024		16-743 - Pavilion - Hydro	Pavilion	90.06	
		16-743 - Pavilion - Hydro	Pavilion	-17.08	
		16-705 - Dunchurch Hall - Hydr	Dunchurch Hall	415.68	
		16-705 - Dunchurch Hall - Hydr	Dunchurch Hall	-78.84	
		16-439 - Roads - Street Lights	Roads - Street Lights	17.36	
		16-439 - Roads - Street Lights	Roads - Street Lights	-3.29	
		16-439 - Roads - Street Lights	Roads - Street Lights	312.24	
		16-439 - Roads - Street Lights	Roads - Street Lights	-59.22	
		16-323 - Garage - Hydro	Garage	198.41	
		16-323 - Garage - Hydro	Garage	-37.63	
		16-232 - Station 1 - Hydro	Station 1	846.98	
		16-232 - Station 1 - Hydro	Station 1	-160.64	
		16-251 - Station 2 - Hydro	Station 2	64.77	
		16-251 - Station 2 - Hydro	Station 2	-12.28	
		16-719 - Maple Is. Hall - Heat/H	Maple Is. Hall	108.90	
		16-719 - Maple Is. Hall - Heat/H	Maple Is. Hall	-20.65	
		16-719 - Maple Is. Hall - Heat/H	Maple Is. - Street lights	37.55	
		16-719 - Maple Is. Hall - Heat/H	Maple Is. - Street lights	-5.09	

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Payment # Invoice #	Date	Vendor Name GL Account	GL Transaction Description	Detail Amount	Payment Amount
		16-731-3 - 2125 HWY 124 - Hyd	2125 Hwy 124	46.83	
		16-731-3 - 2125 HWY 124 - Hyd	2125 Hwy 124	-8.88	
		11-210-2 - A/R HST Receivable	HST Tax Code	236.24	
		99-999-1 - HST (Statistical) Non	HST Tax Code	273.23	NL 1,971.42
OB-041	11-13-2024	Municipality Of McDougall			
25566		16-471 - Auld Landfill - Bulk Wa:	Aulds	456.21	
		16-459 - York Landfill - Bulk Wa:	York Landfill	441.14	
		16-471 - Auld Landfill - Bulk Wa:	Aulds	339.76	1,237.11
OB-042	11-26-2024	Minister Of Finance			
Oct Admin Remi		12-332 - Employer Health Tax	EHT - Oct. 1 - 30 Admin Re	1,797.08	1,797.08
OB-043	11-26-2024	Receiver General			
Nov F&C Remit		12-331 - Payroll Deductions	Nov. 1-30/24 Fire/Council R	2,231.27	2,231.27
Oct Admin Remi		12-331 - Payroll Deductions	Oct 1-30 Admin Remittance	23,098.71	23,098.71
			Payment Total:		25,329.98
OB-044	11-27-2024	TD Visa			
Visa - Nov MK		16-104 - Admin - Training Exper	Municipal Finance Officers ,	76.32	
		16-104 - Admin - Training Exper	Municipal Finance Officers ,	-1,068.48	
		16-118 - Admin - Financial Expe	Annual Cash Back credit	-15.33	
		11-210-2 - A/R HST Receivable	HST Tax Code	-109.59	
		99-999-1 - HST (Statistical) Non	HST Tax Code	-126.75	NL -1,117.08
OB-045	11-27-2024	TD Visa			
Visa - Nov Lib		11-223 - Due to Due (from) Libr	November Visa - Library	1,407.77	1,407.77
OB-046	11-27-2024	TD Visa			
Visa Nov MH		16-710 - Dunchurch Hall -High S	Starlink	142.46	
		16-790 - Recreation Cmttee-Pro	Amazon	32.56	
		16-790 - Recreation Cmttee-Pro	Amazon	55.31	
		16-790 - Recreation Cmttee-Pro	Amazon	98.16	
		16-790 - Recreation Cmttee-Pro	Amazon	93.69	
		16-790 - Recreation Cmttee-Pro	Amazon	41.17	
		16-790 - Recreation Cmttee-Pro	Amazon	15.76	
		16-790 - Recreation Cmttee-Pro	Amazon	81.40	
		16-790 - Recreation Cmttee-Pro	EDU-Child Care License	100.00	
		16-126 - Admin - Communicati	Mailchimp	37.60	
		16-115 - Admin - Computer Sup	Google	285.74	
		16-118 - Admin - Financial Expe	Overlimit fee	29.00	
		16-118 - Admin - Financial Expe	Annual Cash Back credit	-246.54	
		11-210-2 - A/R HST Receivable	HST Tax Code	97.64	
		99-999-1 - HST (Statistical) Non	HST Tax Code	112.92	NL 863.95
OB-047	11-27-2024	TD Visa			
Visa Nov WS		19-110 - Community Centre Cor	PC-Canada	2,611.54	
		19-110 - Community Centre Cor	PC-Canada	2,611.54	
		19-110 - Community Centre Cor	PC-Canada	370.65	
		16-092 - Council - Miscellaneous:	Tim Hortons	18.99	
		16-092 - Council - Miscellaneous:	Tim Hortons	14.79	
		16-126 - Admin - Communicati	ZOOM	53.93	
		16-123 - Admin - Volunteer Appl	Vistaprint	48.22	
		16-790 - Recreation Cmttee-Pro	Amazon	23.40	
		16-104 - Admin - Training Exper	Roma	1,363.59	
		16-790 - Recreation Cmttee-Pro	Amazon	211.84	

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ONLINE BANKING

Payment # Invoice #	Date	Vendor Name GL Account	GL Transaction Description	Detail Amount	Payment Amount
		16-790 - Recreation Cmttee-Pro	Amazon	166.38	
		16-790 - Recreation Cmttee-Pro	Amazon	16.69	
		16-790 - Recreation Cmttee-Pro	Amazon	249.19	
		16-790 - Recreation Cmttee-Pro	Amazon	193.33	
		16-281 - Bld Official - Supplies	Orderline	310.35	
		16-281 - Bld Official - Supplies	Home Depot	50.86	
		16-123 - Admin - Volunteer App	Vistaprint	9.69	
		16-092 - Council - Miscellaneous	Hazeltons	95.63	
		16-790 - Recreation Cmttee-Pro	Well.ca	445.65	
		16-118 - Admin - Financial Expe	Annual Cash Back Credit	-51.09	
		11-130 - Chequing Account	payment	-8,000.00	
		11-210-2 - A/R HST Receivable	HST Tax Code	957.32	
		99-999-1 - HST (Statistical) Non	HST Tax Code	1,107.21	NL 1,772.49
OB-048	11-27-2024	Municipality Of McDougall			
25511		16-471 - Auld Landfill - Bulk Wa:	Household waste - Aulds	471.28	
		16-459 - York Landfill - Bulk Wa:	Household waste - York	378.12	
		16-471 - Auld Landfill - Bulk Wa:	Household waste - Aulds	378.12	
		16-459 - York Landfill - Bulk Wa:	Household waste - York	426.07	1,653.59
					Total Online Banking: 34,916.31

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Payment # Invoice #	Date	Vendor Name GL Account	GL Transaction Description	Detail Amount	Payment Amount
2579	11-12-2024	A.J. Stone Company Ltd.			
0000186990		16-225 - Fire - Hose Replaceme	supplies	1,594.85	
		16-252 - Station 2 - Minor Purch	supplies	862.16	
		11-210-2 - A/R HST Receivable	HST Tax Code	271.39	
		99-999-1 - HST (Statistical) Non	HST Tax Code	313.89	NL 2,728.40
2580	11-12-2024	Nigel Black			
Oct 25- expense		16-131 - Admin - HR Contingen	mileage to/from St. John's a	81.00	
		16-131 - Admin - HR Contingen	Hotel - St. John's	161.71	
		16-131 - Admin - HR Contingen	St. John's airport parking	63.87	
		16-131 - Admin - HR Contingen	Flight for two	1,419.92	
		16-131 - Admin - HR Contingen	car rental	165.15	
		16-131 - Admin - HR Contingen	rental vehicle gas	198.96	
		16-131 - Admin - HR Contingen	Hotel in Parry Sound	446.71	
		16-131 - Admin - HR Contingen	meals - Tims	13.41	
		16-131 - Admin - HR Contingen	meals - Stacked Pancake H	38.42	
		16-131 - Admin - HR Contingen	meals - Stacked Pancake H	8.53	
		16-131 - Admin - HR Contingen	meals - Fionn Maccool's	48.34	
		16-131 - Admin - HR Contingen	meals - Fionn Maccool's - ti	9.66	
		11-210-2 - A/R HST Receivable	HST Tax Code	308.83	
		99-999-1 - HST (Statistical) Non	HST Tax Code	357.20	NL 2,964.51
2581	11-12-2024	Bob Whitman			
Oct 15/24		16-269 - Cell Phone	cell phone for 2024	400.00	400.00
2582	11-12-2024	George Comrie			
Nov 2024 Dinne		16-092 - Council - Miscellaneous	Reimbursement-Council Dir	593.26	
		16-092 - Council - Miscellaneous	Council Dinner with Blacks-	98.82	
		11-210-2 - A/R HST Receivable	HST Tax Code	65.53	

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Payment # Invoice #	Date	Vendor Name GL Account	EFT GL Transaction Description	Detail Amount	Payment Amount
		99-999-1 - HST (Statistical) Non	HST Tax Code	75.79 NL	757.61
Nov4/24 Mileage		16-091 - Council - Travel	Mileage to/from Baxter War	175.00	175.00
			Payment Total:		932.61
2583	11-12-2024	Deborah Comrie			
Oct 29/24		16-790 - Recreation Cmtee-Pro	Canadian Tire	183.66	
		16-790 - Recreation Cmtee-Pro	No Frills	85.91	
		16-790 - Recreation Cmtee-Pro	No Frills	23.98	
		16-790 - Recreation Cmtee-Pro	Duck Rock	85.99	
		16-790 - Recreation Cmtee-Pro	Duck Rock	21.06	
		16-790 - Recreation Cmtee-Pro	Crafts & Things	155.64	
		16-790 - Recreation Cmtee-Pro	D&D Beyond	131.43	
		11-210-2 - A/R HST Receivable	HST Tax Code	49.28	
		99-999-1 - HST (Statistical) Non	HST Tax Code	57.00 NL	736.95
2584	11-12-2024	Fowler Construction Co Ltd			
81436		19-813-1 - Boat Launches	curshed asphalt	190.65	
		11-210-2 - A/R HST Receivable	HST Tax Code	21.06	
		99-999-1 - HST (Statistical) Non	HST Tax Code	24.36 NL	211.71
2585	11-12-2024	Freightliner North Bay			
IN12027		16-404 - 2017 Freightliner Singl	parts	1,335.96	
		11-210-2 - A/R HST Receivable	HST Tax Code	147.56	
		99-999-1 - HST (Statistical) Non	HST Tax Code	170.67 NL	1,483.52
IN12049		16-404 - 2017 Freightliner Singl	Parts	147.78	
		11-210-2 - A/R HST Receivable	HST Tax Code	16.32	
		99-999-1 - HST (Statistical) Non	HST Tax Code	18.88 NL	164.10
			Payment Total:		1,647.62
2586	11-12-2024	Gin-Cor Industries			
88030		16-404 - 2017 Freightliner Singl	full trip wing hinge assembly	1,158.19	
		16-404-3 - 2020 Freightliner Sn	full trip wing hinge assembly	1,158.25	
		11-210-2 - A/R HST Receivable	HST Tax Code	255.86	
		99-999-1 - HST (Statistical) Non	HST Tax Code	295.93 NL	2,572.30
2587	11-12-2024	Glen Martin Limited			
403257-1		16-702 - Dunchurch Hall - Suppl	air freshner	105.36	
		11-210-2 - A/R HST Receivable	HST Tax Code	11.64	
		99-999-1 - HST (Statistical) Non	HST Tax Code	13.46 NL	117.00
403762		16-702 - Dunchurch Hall - Suppl	supplies	130.93	
		11-210-2 - A/R HST Receivable	HST Tax Code	14.46	
		99-999-1 - HST (Statistical) Non	HST Tax Code	16.73 NL	145.39
			Payment Total:		262.39
2588	11-12-2024	Hicks Morley LLP			
710537		16-120 - Admin - Legal Expense	legal services	797.80	
		11-210-2 - A/R HST Receivable	HST Tax Code	88.12	
		99-999-1 - HST (Statistical) Non	HST Tax Code	101.92 NL	885.92
2589	11-12-2024	Ideal Supply Company Ltd.			
699970		16-775 - 2016 Facilities Truck - I	parts	78.21	
		11-210-2 - A/R HST Receivable	HST Tax Code	8.64	
		99-999-1 - HST (Statistical) Non	HST Tax Code	9.99 NL	86.85
700024		16-775 - 2016 Facilities Truck - I	parts	96.33	
		11-210-2 - A/R HST Receivable	HST Tax Code	10.64	
		99-999-1 - HST (Statistical) Non	HST Tax Code	12.31 NL	106.97
703077		16-404-3 - 2020 Freightliner Sn	parts	820.80	

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Payment # Invoice #	Date	Vendor Name GL Account	EFT GL Transaction Description	Detail Amount	Payment Amount
		11-210-2 - A/R HST Receivable	HST Tax Code	90.66	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	104.86	NL 911.46
706053		16-320 - Garage - Mtc/Supplies/	supplies	66.64	
		11-210-2 - A/R HST Receivable	HST Tax Code	7.36	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	8.51	NL 74.00
			Payment Total:		1,179.28
2590	11-12-2024	Iron Mountain Canada			
JXGM665		16-110 - Admin - Office Supplies	shredding	41.48	
		11-210-2 - A/R HST Receivable	HST Tax Code	4.58	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	5.30	NL 46.06
2591	11-12-2024	Janice Bray			
Oct 23/24		16-210 - Fire - Miscellaneous	reimb - fire call- food for fire	84.43	
		11-210-2 - A/R HST Receivable	HST Tax Code	9.33	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	10.79	NL 93.76
2592	11-12-2024	Local Authority Services Ltd.			
MGBP0000076€		16-110 - Admin - Office Supplies	office supplies	32.75	
		11-210-2 - A/R HST Receivable	HST Tax Code	3.61	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	4.18	NL 36.36
MGBP0000076€		16-110 - Admin - Office Supplies	office supplies	383.20	
		11-210-2 - A/R HST Receivable	HST Tax Code	42.33	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	48.96	NL 425.53
MGBP0000076€		16-110 - Admin - Office Supplies	office supplies	168.16	
		11-210-2 - A/R HST Receivable	HST Tax Code	18.57	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	21.48	NL 186.73
			Payment Total:		648.62
2593	11-12-2024	Law N Mowers			
October 2024		16-275 - By-Law Enforcement	By-law enforcement	2,529.45	2,529.45
2594	11-12-2024	Mac Lang (Sundridge) Limited			
208612		16-407-1 - 2022 1 Ton- Mainten.	service invoice	160.27	
		11-210-2 - A/R HST Receivable	HST Tax Code	17.71	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	20.48	NL 177.98
2595	11-12-2024	Magnetawan Building Centre Ltd			
101-150603		16-110 - Admin - Office Supplies	water	25.96	25.96
103-135340		16-404-3 - 2020 Freightliner Sn	batteries	14.23	
		11-210-2 - A/R HST Receivable	HST Tax Code	1.57	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	1.82	NL 15.80
103-135341		16-320 - Garage - Mtc/Supplies/	marker paint	6.10	
		11-210-2 - A/R HST Receivable	HST Tax Code	0.67	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	0.78	NL 6.77
104-111572		16-110 - Admin - Office Supplies	admin supplies	40.69	
		11-210-2 - A/R HST Receivable	HST Tax Code	4.50	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	5.20	NL 45.19
			Payment Total:		93.72
2596	11-12-2024	McDougall Energy			
7461646		16-423 - 2010 Grader - Fuel	Dyed Diesel LS	1,333.85	
		11-210-2 - A/R HST Receivable	HST Tax Code	147.33	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	170.40	NL 1,481.18
7641647		16-394-2 - 2018 Dodge Ram 20	Regular Gas	305.28	
		16-408-1 - 2022 1 tTone Fule	Regular Gas	356.16	
		16-776 - 2016 Facilities Truck - I	Regular Gas	169.90	

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		11-210-2 - A/R HST Receivable	HST Tax Code	91.82	
		99-999-1 - HST (Statistical) Non	HST Tax Code	106.20 NL	923.16
				Payment Total:	2,404.34
2597	11-12-2024	North Bay Parry Sound District			
Nov 2024 Levy		16-549 - Health Unit Operating (November 2024 Levy	2,657.58	2,657.58
2598	11-12-2024	My-Tech Information Technology			
Oct 31/24		16-115 - Admin - Computer Sup	IT support	1,169.43	
		11-210-2 - A/R HST Receivable	HST Tax Code	129.17	
		99-999-1 - HST (Statistical) Non	HST Tax Code	149.40 NL	1,298.60
2599	11-12-2024	Near North Industrial Solution			
96356		16-404-3 - 2020 Freightliner Sn	supplies	177.57	
		11-210-2 - A/R HST Receivable	HST Tax Code	19.61	
		99-999-1 - HST (Statistical) Non	HST Tax Code	22.68 NL	197.18
2600	11-12-2024	Near North Laboratories Inc.			
105415		16-779 - Water Testing	coliform	21.98	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.43	
		99-999-1 - HST (Statistical) Non	HST Tax Code	2.81 NL	24.41
2601	11-12-2024	Purolator Courier Ltd			
530088240		16-222-1 - Fire-Turnout/Repair/C	courier services	11.92	
		11-210-2 - A/R HST Receivable	HST Tax Code	1.31	
		99-999-1 - HST (Statistical) Non	HST Tax Code	1.52 NL	13.23
2602	11-12-2024	Parry Sound Auto Parts Co Ltd			
1-3047202		16-404-3 - 2020 Freightliner Sn	tank rental	88.53	
		11-210-2 - A/R HST Receivable	HST Tax Code	9.78	
		99-999-1 - HST (Statistical) Non	HST Tax Code	11.31 NL	98.31
2603	11-12-2024	Michael Skof, Prosecutor			
Oct 31/24		16-120 - Admin - Legal Expense	legal services	881.50	
		11-210-2 - A/R HST Receivable	HST Tax Code	97.36	
		99-999-1 - HST (Statistical) Non	HST Tax Code	112.61 NL	978.86
2604	11-12-2024	Trans Canada Safety Star Life			
58594		16-202 - Fire - Training	fit testing	1,015.06	
		11-210-2 - A/R HST Receivable	HST Tax Code	112.12	
		99-999-1 - HST (Statistical) Non	HST Tax Code	129.68 NL	1,127.18
2605	11-12-2024	Whitmell, Ron			
Oct. 26/24		16-501-1 - Staking Fees	staking fees	525.00	525.00
2606	11-19-2024	Air Automotive Tracking			
WS2411		16-310 - Roads-Supplies GPS M	November wireless	254.40	
		11-210-2 - A/R HST Receivable	HST Tax Code	28.10	
		99-999-1 - HST (Statistical) Non	HST Tax Code	32.50 NL	282.50
2607	11-19-2024	ABC Overhead Garage Doors			
25797		16-239 - Station 1 - Building Mtc	service of door	1,050.78	
		16-239 - Station 1 - Building Mtc	service of door	0.00	
		11-210-2 - A/R HST Receivable	HST Tax Code	116.06	
		99-999-1 - HST (Statistical) Non	HST Tax Code	134.24 NL	1,166.84
2608	11-19-2024	Adams Bros Construction Ltd			
177163		16-459 - York Landfill - Bulk Wa:	Empty & return bins - York	264.58	

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Payment # Invoice #	Date	Vendor Name GL Account	EFT GL Transaction Description	Detail Amount	Payment Amount
		16-471 - Auld Landfill - Bulk Wa:	Empty & return bins - Aulds	712.32	
		11-210-2 - A/R HST Receivable	HST Tax Code	107.90	
		99-999-1 - HST (Statistical) Non	HST Tax Code	124.80	NL 1,084.80
2609	11-19-2024	A.J. Stone Company Ltd.			
0000186105		16-202-1 - Fire-New Recruits	supplies	198.35	
		11-210-2 - A/R HST Receivable	HST Tax Code	21.91	
		99-999-1 - HST (Statistical) Non	HST Tax Code	25.34	NL 220.26
0000186468		16-202-1 - Fire-New Recruits	supplies	260.20	
		11-210-2 - A/R HST Receivable	HST Tax Code	28.74	
		99-999-1 - HST (Statistical) Non	HST Tax Code	33.24	NL 288.94
			Payment Total:		509.20
2610	11-19-2024	Canadian National Non Freight			
91765050		16-414 - Bunny Trail RR Crossir	Bunny Trail	403.50	403.50
2611	11-19-2024	Freightliner North Bay			
IN12058		16-404 - 2017 Freightliner Singl	parts	153.10	
		11-210-2 - A/R HST Receivable	HST Tax Code	16.91	
		99-999-1 - HST (Statistical) Non	HST Tax Code	19.56	NL 170.01
2612	11-19-2024	Gin-Cor Industries			
88302		16-404-3 - 2020 Freightliner Sn	parts	567.77	
		11-210-2 - A/R HST Receivable	HST Tax Code	62.71	
		99-999-1 - HST (Statistical) Non	HST Tax Code	72.53	NL 630.48
2613	11-19-2024	Glen Martin Limited			
409138		16-258 - Station 2 - Supplies	supplies	210.10	
		11-210-2 - A/R HST Receivable	HST Tax Code	23.21	
		99-999-1 - HST (Statistical) Non	HST Tax Code	26.84	NL 233.31
2614	11-19-2024	Griffith Bros. Service Centre			
86353		16-407-1 - 2022 1 Ton- Mainten.	flatbed service	292.97	
		11-210-2 - A/R HST Receivable	HST Tax Code	32.36	
		99-999-1 - HST (Statistical) Non	HST Tax Code	37.43	NL 325.33
2615	11-19-2024	Ideal Supply Company Ltd.			
763254		16-775 - 2016 Facilities Truck - I	supplies	71.42	
		11-210-2 - A/R HST Receivable	HST Tax Code	7.89	
		99-999-1 - HST (Statistical) Non	HST Tax Code	9.12	NL 79.31
763242		16-394-1 - 2018 Dodge Ram M	supplies	71.42	
		11-210-2 - A/R HST Receivable	HST Tax Code	7.89	
		99-999-1 - HST (Statistical) Non	HST Tax Code	9.12	NL 79.31
752627		16-404 - 2017 Freightliner Singl	supplies	37.13	
		11-210-2 - A/R HST Receivable	HST Tax Code	4.10	
		99-999-1 - HST (Statistical) Non	HST Tax Code	4.74	NL 41.23
737740		16-404 - 2017 Freightliner Singl	supplies	723.76	
		11-210-2 - A/R HST Receivable	HST Tax Code	79.94	
		99-999-1 - HST (Statistical) Non	HST Tax Code	92.46	NL 803.70
737199		16-404-3 - 2020 Freightliner Sn	supplies	600.37	
		11-210-2 - A/R HST Receivable	HST Tax Code	66.31	
		99-999-1 - HST (Statistical) Non	HST Tax Code	76.70	NL 666.68
736875		16-404-3 - 2020 Freightliner Sn	supplies	23.81	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.63	
		99-999-1 - HST (Statistical) Non	HST Tax Code	3.04	NL 26.44
			Payment Total:		1,696.67

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		EFT			
Payment #	Date	Vendor Name			
Invoice #		GL Account	GL Transaction Description	Detail Amount	Payment Amount
2616	11-19-2024	Inservus Management Systems			
2055		16-222-1 - Fire-Turnout/Repair/	equipment	120.59	
		11-210-2 - A/R HST Receivable	HST Tax Code	13.35	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	15.44 NL	133.94
2617	11-19-2024	Local Authority Services Ltd.			
MGB000007637		16-337 - Bridges/Culverts-Good	supplies	7,116.68	
		11-210-2 - A/R HST Receivable	HST Tax Code	786.07	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	909.17 NL	7,902.75
MGBP00000763		16-303 - Roads-Office-Supplies/	supplies	25.94	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.86	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	3.31 NL	28.80
			Payment Total:		7,931.55
2618	11-19-2024	Magnetawan Building Centre Ltd			
104-111665		19-714-4 - Street Light Comunity	supplies	85.90	
		11-210-2 - A/R HST Receivable	HST Tax Code	9.48	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	10.97 NL	95.38
2619	11-19-2024	Moore Propane Limited			
158015303		16-704 - Dunchurch Hall - Heatin	liquid propane	518.64	
		11-210-2 - A/R HST Receivable	HST Tax Code	57.29	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	66.26 NL	575.93
2620	11-19-2024	Near North Industrial Solution			
96396		16-404-3 - 2020 Freightliner Sn	supplies	156.79	
		11-210-2 - A/R HST Receivable	HST Tax Code	17.32	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	20.03 NL	174.11
2621	11-19-2024	Parry Sound Home Hardware			
285785		16-238 - Station 1 - Supplies	antifreeze	20.31	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.24	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	2.59 NL	22.55
184784		16-404-3 - 2020 Freightliner Sn	antifreeze	20.31	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.24	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	2.59 NL	22.55
			Payment Total:		45.10
2622	11-19-2024	RS Rescue			
1681		16-210 - Fire - Miscellaneous	supplies	1,193.21	
		16-233 - Station 1 - Minor Purch	supplies	1,350.80	
		11-210-2 - A/R HST Receivable	HST Tax Code	280.99	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	325.00 NL	2,825.00
2623	11-19-2024	Vianet			
Nov 204		16-321 - Garage - High Speed In	Internet	106.80	
		16-720 - Maple Is. Hall - Teleph	Internet	106.80	
		16-457-1 - York Landfill - Interne	Internet	160.72	
		11-210-2 - A/R HST Receivable	HST Tax Code	41.35	
		99-999-1 - HST (Statistical) Non-	HST Tax Code	47.82 NL	415.67
2624	11-19-2024	Whitmell, Ron			
Nov 5/24		16-501-1 - Staking Fees	staking fee and maintenanc	55.00	
		16-506 - Fairholme Cemetery - I	Home Depot	69.96	
		16-506 - Fairholme Cemetery - I	Canadian Tire	79.35	
		16-506 - Fairholme Cemetery - I	mileage to Hardware suppli	60.20	
		11-210-2 - A/R HST Receivable	HST Tax Code	16.50	

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Payment #	Date	Vendor Name	EFT	Detail Amount	Payment Amount
Invoice #		GL Account	GL Transaction Description		
		99-999-1 - HST (Statistical) Non	HST Tax Code	19.08 NL	281.01
2625	11-19-2024	Xplore (Aulds)			
INV54113032		16-479-1 - Aulds Landfill - Intern	Internet	86.49	
		11-210-2 - A/R HST Receivable	HST Tax Code	9.55	
		99-999-1 - HST (Statistical) Non	HST Tax Code	11.05 NL	96.04
2626	11-26-2024	A.J. Stone Company Ltd.			
10074970-0		16-202 - Fire - Training	replacement parts	790.68	
		11-210-2 - A/R HST Receivable	HST Tax Code	87.33	
		99-999-1 - HST (Statistical) Non	HST Tax Code	101.01 NL	878.01
10073215-0		16-202-1 - Fire-New Recruits	bunker gear	6,333.55	
		11-210-2 - A/R HST Receivable	HST Tax Code	699.57	
		99-999-1 - HST (Statistical) Non	HST Tax Code	809.12 NL	7,033.12
			Payment Total:		7,911.13
2627	11-26-2024	George Comrie			
Nov 16/24		16-091 - Council - Travel	mileage - Canadore College	84.00	84.00
2628	11-26-2024	Gin-Cor Industries			
88310		16-404-3 - 2020 Freightliner Sn	parts	295.37	
		11-210-2 - A/R HST Receivable	HST Tax Code	32.62	
		99-999-1 - HST (Statistical) Non	HST Tax Code	37.73 NL	327.99
2629	11-26-2024	Glen Martin Limited			
409511		16-238 - Station 1 - Supplies	supplies	156.38	
		11-210-2 - A/R HST Receivable	HST Tax Code	17.27	
		99-999-1 - HST (Statistical) Non	HST Tax Code	19.98 NL	173.65
2630	11-26-2024	Ideal Supply Company Ltd.			
770394		16-409 - 2007 International-Mair	invoice #3487531 dated Jan	-31.53	
		16-409 - 2007 International-Mair	invoice #5811045 dated No	-22.88	
		11-210-2 - A/R HST Receivable	HST Tax Code	-6.01	
		99-999-1 - HST (Statistical) Non	HST Tax Code	-6.95 NL	-60.42
792444		16-409 - 2007 International-Mair	credit - invoice #5811045 d	-68.66	
		11-210-2 - A/R HST Receivable	HST Tax Code	-7.58	
		99-999-1 - HST (Statistical) Non	HST Tax Code	-8.77 NL	-76.24
766100		16-784 - Mower Expense	smal engin fuel	179.10	
		11-210-2 - A/R HST Receivable	HST Tax Code	19.78	
		99-999-1 - HST (Statistical) Non	HST Tax Code	22.88 NL	198.88
766438		16-404-3 - 2020 Freightliner Sn	fuse holder	5.22	
		11-210-2 - A/R HST Receivable	HST Tax Code	0.58	
		99-999-1 - HST (Statistical) Non	HST Tax Code	0.67 NL	5.80
767678		16-404 - 2017 Freightliner Singl	sealed beam	14.74	
		11-210-2 - A/R HST Receivable	HST Tax Code	1.63	
		99-999-1 - HST (Statistical) Non	HST Tax Code	1.88 NL	16.37
771473		16-404 - 2017 Freightliner Singl	rubber tractor housing	18.31	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.02	
		99-999-1 - HST (Statistical) Non	HST Tax Code	2.34 NL	20.33
772013		16-404 - 2017 Freightliner Singl	parts	20.88	
		11-210-2 - A/R HST Receivable	HST Tax Code	2.31	
		99-999-1 - HST (Statistical) Non	HST Tax Code	2.67 NL	23.19
773388		16-404 - 2017 Freightliner Singl	parts	88.47	
		11-210-2 - A/R HST Receivable	HST Tax Code	9.77	
		99-999-1 - HST (Statistical) Non	HST Tax Code	11.30 NL	98.24

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Payment #	Date	Vendor Name	EFT	Detail Amount	Payment Amount
Invoice #		GL Account	GL Transaction Description		
773403		16-404-3 - 2020 Freightliner Sn	parts	428.12	
		11-210-2 - A/R HST Receivable	HST Tax Code	47.28	
		99-999-1 - HST (Statistical) Non	HST Tax Code	54.69 NL	475.40
777696		16-404-3 - 2020 Freightliner Sn	parts	207.51	
		11-210-2 - A/R HST Receivable	HST Tax Code	22.92	
		99-999-1 - HST (Statistical) Non	HST Tax Code	26.51 NL	230.43
778448		16-404 - 2017 Freightliner Singl	parts	112.42	
		11-210-2 - A/R HST Receivable	HST Tax Code	12.42	
		99-999-1 - HST (Statistical) Non	HST Tax Code	14.36 NL	124.84
786495		16-404 - 2017 Freightliner Singl	parts	74.00	
		11-210-2 - A/R HST Receivable	HST Tax Code	8.17	
		99-999-1 - HST (Statistical) Non	HST Tax Code	9.45 NL	82.17
			Payment Total:		1,138.99
2631	11-26-2024	Kidd's Home Hardware			
2949712		16-452 - York Landfill - Mainten	parts	43.99	
		11-210-2 - A/R HST Receivable	HST Tax Code	4.86	
		99-999-1 - HST (Statistical) Non	HST Tax Code	5.62 NL	48.85
2632	11-26-2024	Momentum Conferencing			
0173766		16-126 - Admin - Communicatio	Conference Calling	11.26	
		11-210-2 - A/R HST Receivable	HST Tax Code	1.25	
		99-999-1 - HST (Statistical) Non	HST Tax Code	1.44 NL	12.51
2633	11-26-2024	Near North Laboratories Inc.			
105612		16-779 - Water Testing	coliform	43.96	
		11-210-2 - A/R HST Receivable	HST Tax Code	4.86	
		99-999-1 - HST (Statistical) Non	HST Tax Code	5.62 NL	48.82
2634	11-26-2024	Purolator Courier Ltd			
545076360		16-222-1 - Fire-Turnout/Repair/K	courier services	32.71	
		11-210-2 - A/R HST Receivable	HST Tax Code	3.61	
		99-999-1 - HST (Statistical) Non	HST Tax Code	4.18 NL	36.32
2635	11-26-2024	Parry Sound Fuels			
871081		16-256 - Station 2 - Heating	premium furnace oil	235.25	
		11-210-2 - A/R HST Receivable	HST Tax Code	25.98	
		99-999-1 - HST (Statistical) Non	HST Tax Code	30.05 NL	261.24
2636	11-26-2024	Sands Canada Inc.			
00724066		16-258 - Station 2 - Supplies	parts	151.55	
		11-210-2 - A/R HST Receivable	HST Tax Code	16.74	
		99-999-1 - HST (Statistical) Non	HST Tax Code	19.36 NL	168.29
00724092		16-258 - Station 2 - Supplies	supplies	258.00	
		11-210-2 - A/R HST Receivable	HST Tax Code	28.50	
		99-999-1 - HST (Statistical) Non	HST Tax Code	32.96 NL	286.50
			Payment Total:		454.79
2637	11-26-2024	Telizon Inc.			
0631912024111		16-109 - Admin - Telephone	long distance - Admin	7.31	
		16-237 - Station 1 - Telephone	long distance - Station 1	0.74	
		16-803 - Library - Expenses	long distance - Station 1	0.24	
		11-210-2 - A/R HST Receivable	HST Tax Code	0.92	
		99-999-1 - HST (Statistical) Non	HST Tax Code	1.06 NL	9.21
2638	11-26-2024	Whitmell, Ron			
Nov 14/24		16-501-1 - Staking Fees	staking fees	55.00	55.00

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Payment # Invoice #	Date	Vendor Name GL Account	EFT		Payment Amount
			GL Transaction Description	Detail Amount	
2639	11-26-2024	Wendy Schroeder			
Nov 15/24		16-102 - Admin - Travel Expens	lunch for Ashley D.'s last da	142.38	
		16-102 - Admin - Travel Expens	tip	23.72	
		11-210-2 - A/R HST Receivable	HST Tax Code	15.73	
		99-999-1 - HST (Statistical) Non	HST Tax Code	18.19	NL 181.83
			Total EFT:		<u>57,256.67</u>
			Total AP:		<u>181,469.25</u>

Report prepared for Council November-28-24



Janice Barnes , Asst. to the Treasurer

STAFF REPORTS



Municipality of Whitestone

Report to Council

Prepared for: Council

Department: Public Works

Agenda Date: December 10, 2024

Report No: PW-2024-13

Subject: York Street Landfill Update

Recommendation:

THAT the Council of the Municipality of Whitestone receive report PW-2024-13 (York Street Landfill Update) for information.

Background:

The York Street Landfill has been operational for over 60 years. Azimuth Environmental Consulting Inc.'s November 26, 2024, report summarizes its current environmental monitoring status, operational aspects, and remaining lifespan. The report highlights a proposed phased closure, potential expansion, and several outstanding compliance requirements identified by the MECP (Ministry of Environment, Conservation & Parks). A recent MECP inspection of the York Street Landfill. The Inspection Report issued, which requires immediate action most notably that the Certificate of Requirement be registered on the site.

Analysis:

The Azimuth report indicates that leachate migration is contained within the on-site wetland, but subtle upward trends in chloride levels warrant ongoing monitoring. The report emphasizes that the landfill's remaining lifespan (5-14 years) could be extended through several actions:

Progressive Closure: Implementing a phased approach proves to be more efficient and cost-effective compared to undertaking a large-scale project in a single year. This strategy enables Public Works to allocate focused time each year, thereby minimizing disruptions to their other responsibilities. In 2025, efforts will concentrate on closing the north slope, with a budget of \$60,000, along with additional funds allocated for part-time staffing to operate equipment. The closure of the east side is scheduled for 2026, which will also include an increase in the part-time staff.

Excavation of Imported Fill: Removal of previously imported blast rock and sand from the waste footprint will increase available landfill space, potentially adding several years to the operational lifespan.

Westward Expansion Potential: Begin exploring options and initiating the process to expand the landfill footprint to the west in 2025/2026.

Continued Support of Waste Diversion Options: Supporting recycling programs and continuing to send bulky waste to other facilities, such as the McDougall Landfill, will reduce the amount of waste deposited at York Street Landfill.

MECP Requires a Certificate of Requirement be Registered on Title: This requires a plan of survey, showing the waste disposal area, and further professional activities to be completed with our environmental consultant. The budget for this is \$20,000.

Conclusion

The York Street Landfill requires a multifaceted approach to ensure its safe and efficient closure while maintaining compliance with MECP regulations.

The combination of progressive closure, excavation of and removal of imported fill from the waste footprint, waste diversion strategies, and potential westward expansion will be the most effective way to extend the landfill's life and manage costs.

Financial Considerations

The phased approach is fiscally responsible. To support the phased closure plan, the draft budget includes \$20,000 for the Certificate of Requirement, \$60,000 for the 2025 North Slope closure, and \$30,000 for the 2026 east-side closure, primarily accomplished by Public Works personnel.

Further costs associated with excavation and potential westward expansion will be assessed in 2025 and spread over the project timeline, minimizing the budgetary impact on any single year. Cost savings should be realized due to the increased use of internal resources from Public Works.

Recommendations

\$20,000 budget for 2025 for the MECP Certificate of Requirement and related professional services.

Consideration for 2025 budget of \$60,000 for the North Slope closure; commencement of excavation work to recover imported fill materials.

Consideration for 2026 budget of \$28,000 for the East Side closure. Authorize the initiation of the MECP application for westward expansion of the landfill footprint.

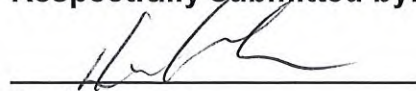
Link to Strategic Plan:

5. Maintenance of our Infrastructure

2. Fiscal Responsibility and Accountability

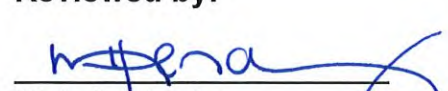
To be financially responsible and accountable in delivering municipal services efficiently and cost effectively within the community's economic framework

Respectfully submitted by:



David Creasor
Manager of Public Works

Reviewed by:



Michelle Hendry
CAO/Clerk

Attachment 1 – Technical Memorandum 2024 Dunchurch Landfill Monitoring Program Summary



Technical Memorandum

To: David Creasor, Municipality of Whitestone

Re: 2024 Dunchurch Landfill Monitoring Program Summary

From: Colin Ross, Azimuth Environmental Consulting Inc.

Project: 24-011

Date: November 26, 2024

The purpose of this memorandum is to provide a brief summary of the current status of the Dunchurch Landfill Site (Site) with respect to the environmental monitoring and compliance, lifespan and some operational items. This Site has been operated by the Municipality of Whitestone (Municipality) since 2000, while operations originated more than 60 years ago.

ENVIRONMENTAL MONITORING

The monitoring program was completed in 2024 with site visits completed on April 23rd, August 14th and October 29th. The work completed included ground water samples collected from seven monitoring wells. Samples were also collected from three surface water locations. It is noted that this monitoring program matches what was proposed in the Design and Operations Plan and Environmental Compliance Approval (ECA) # A521501, with the exception of samples not able to be collected at MW107-S and MW107-D as these wells had previously been damaged and plugged due to active operations in the area of the monitor. Work was completed at MW107D to try and repair this well, but the well had a high sediment load which kept plugging the sample tubing. Additional equipment will be brought to the Site in April 2025 to attempt to remove the sediment. The following provides a summary of the environmental monitoring program for 2024, while a formal monitoring report is not due to the Ministry of Environment, Conservation & Parks (MECP) until March 31st, 2027, summarizing the 2024 – 2026 monitoring data.

Ground Water:

The ground water quality collected from the seven monitoring wells during 2024 indicated results very similar to previous years with the exception of a very subtle but steady increasing chloride trend at MW103. Leachate influence is apparent immediately north (MW104) of the landfill, which now represents the leachate quality at the Site given the dedicated leachate monitors MW107-S & D being damaged. Given that MW104-S & D are located immediately downgradient of the toe of waste, they are



considered representative locations for tracking leachate changes at the Site over time, as well prior to entering the adjacent wetland feature. Subtle upwards trends are noted at these locations as well, however, are quite muted, especially in recent years. This is likely due to the fact that the active waste filling is not in proximity to the downgradient toe of waste.

Overall, the consistency in data and lack of meaningful leachate influence beyond MW104 would confirm attenuation is active within the forested wetland downgradient of the waste mound, where the most distant boundary monitoring wells (MW101 /102) do not indicate any leachate influence. Based on the local geology, including observed bedrock outcrop ridges that surround the landfill, it has been interpreted that ground water flow is north into the forested wetland and then west, bound between large bedrock outcrops north and south of the Site. Ground water flow within this shallow bedrock trough is very slow owing to the clay soils which underlie the wetland.

Compliance for ground water is established through MECP Guideline B-7 (Reasonable Use Policy [RUP]). The criteria are calculated using both background concentrations and Ontario Drinking Water Quality Standards (ODWQS). Based on the previously established RUP values for the Site relating to leachate indicator parameters, RUP is met for all parameters at downgradient monitors with the exception of iron and manganese, which are consistently above ODWQS. However, the use of iron and manganese as leachate indicators is open to some interpretation in a peat-rich wetland environment downgradient of the landfill. Wetland conditions are present in all of the downgradient monitoring well locations such that anaerobic / reducing conditions are created which can increase the dissolution potential for abundant earth elements such as iron, manganese or aluminum creating elevated parameter concentrations. Similarly, it is noted that DOC is not utilized as a RUP parameter given that it exceeds ODWQS in the background water quality such that its natural elevation does not allow for RUP values to be calculated.

Surface Water:

Surface water samples were collected from the three established locations during the spring, summer and fall monitoring events, although the summer event usually does not permit sample collection due to dry locations and dry conditions which were also observed in the fall of 2024 such that only spring samples were collected. SW-1 is the background location and represents surface water at Booth Road before it flows towards past the waste mound. SW-2 is located near the waste mound, while SW-3 is located at the downstream end of the Site. Although no defined surface water flows are observed north of the landfill in the wetland, the majority of the area is typically saturated, likely due to the limited overburden depth and poor drainage created by the numerous bedrock ridges that are present on the property. Water quality at these



locations indicates that leachate impacts are not observed at SW-1 (background), while leachate influence is observed at SW-2 and SW-3, and concentrations are noted to decline with distance from the waste area.

SW-3, which represents the interpreted downgradient / downstream property boundary of the landfill has indicated measurable leachate influence, although concentrations are largely reduced from those observed closer to the waste mound (SW2) indicating that attenuation is occurring within the forested wetland area. Compliance criteria, namely Provincial Water Quality Objectives (PWQO) were exceeded at SW2 for boron, iron and total phosphorus. However, the concentrations were all found within the historical concentration range observed in the upstream location SW-1 with the exception of boron. Despite the elevated boron concentrations, caution should be exercised when evaluating boron compliance with PWQO. Given the interim nature of the PWQO criteria for boron, MECP Standards Branch indicate that given the limited toxicology dataset that was utilized during development of the criteria that the Canadian Water Quality Guidelines (CWQG) for the Protection of Aquatic Life (CCME, 2003) value is more appropriate to use as it utilized a more robust toxicological dataset and was developed by the MECP. As such, the CWQG value for boron for long term exposure is 1.5 mg/L, which is met at all downstream surface water stations for the period of record at the Site.

Regardless of these exceedances, the results at the downstream boundary location (SW3) indicated no exceedances in 2024, confirming attenuation processes are active within the on-site wetland area limiting potential for off-site impacts.

OPERATIONS

Annual Fill Rate / Site Capacity:

Similar to previous years, a total station survey was completed on the waste mound such that cut and fill calculations could be completed using previous year's surveys. These calculations indicated that the amount of waste and fill material accepted between October 2023 and October 2024 was 725 m³, which is slightly above the previous 5 year average of 450 m³, but well within the historical range which has been noted to be above 1,000 m³ in some years. It should be noted that Site activities completed by the Municipality in 2024 included removal of a former clean fill area that was located within the waste mound. This material represented mainly sand fill and potential blast rock that was deposited historically at the Site, likely associated with local road or highway reconstruction projects. The amount of material removed was estimated based on the annual survey to be 525 m³. This material was removed from the active area, but left on Site with the intent of using this material for future interim cover material, thus removing the need for importation of material into the Site.



Based on inspection of the area of fill removal, it would appear that there is potential additional material be removed, which would not result in significant changes to the current waste mound. It is recommended that the Municipality undertake additional excavation and removal work in 2025 to increase the available capacity and lifespan of the Site. Given the limited excavations completed in 2024 were able to recover ~1 year of capacity, it is interpreted that a few extra years may still be able to be recovered with additional excavation work in 2025. Given that some of the material may include blast rock, properly sized equipment and access routes may need to be created to excavate and transport the material out of the waste area.

Given the current (October 2024) waste volume of 32,600 m³, remaining capacity of the Site is 5,800 m³ and an average annual fill rate of ~400 to 1,000 m³, the Site has an estimated remaining lifespan of approximately 5 to 14 years. The Site capacity may be further extended if additional clean fill material is removed from the waste area in 2025. This potential increase will be evaluated as part of the 2025 Site survey scheduled to be completed in October.

Additional items for consideration that would extend the lifespan of the Site would be to increase diversion of materials through increased recycling programs, transferring some more bulky materials to other landfills (i.e., McDougall Landfill) or shifting acceptance of some materials to the Aulds Road Site. It is understood that this has already begun with some construction and yard wastes being accepted only at Aulds Road, which has had some measurable reduction in annual volumes at the Site in recent years.

Expansion of the approved waste volume / footprint could be explored at the Site. Although spatial limitations exist at the Site, including property boundaries to the east and south, along with the wetland to the north, there is potential for a small expansion to possibly occur to the west of the current waste footprint. Buffers will need to be maintained to the wetland feature and adjacent property, but it is interpreted that there could be room to expand, while maintaining similar operations at the Site.

Potential issues relating to this option would be that the Site is located in close proximity to the community of Dunchurch such that there would be resistance from the local residents due to concerns with odour, bears, rodents or other nuisance factors.

Additional survey information was collected in 2024 in the area to the west such that some potential waste mound configurations could be explored to determine how much capacity could be increased under an expanded waste footprint at the Site.



Site Inspections:

An inspection of the Site was completed during each Site visit. The monitoring well network appeared to be in good working order, with the exception of MW107, of which the shallow monitor MW107-S has become plugged since the extension was added in 2020, while the MW107-D has a broken riser pipe within the casing which makes it difficult to purge and sample. It is unlikely the shallow monitoring well can be repaired given the plug or break in monitor is >3 m below ground surface. However, attempts were made to stabilize the pipe for MW107-D in 2024. Sampling in October still could not be completed due to elevated sediment present within the well that likely occurred when the pipe was broken / repaired. Azimuth will attempt to clean out monitoring well during the April 2025 monitoring event with different equipment, but it is possible that this monitor may not be able to be rehabilitated. As noted previously, the remaining monitoring network is considered sufficient to evaluate the leachate and ground water quality surrounding the waste mound. However, the MECP may recommend that the leachate monitors be replaced. Regardless, if not in use, these wells should be properly decommissioned, which can be completed once direction is provided from the MECP.

As discussed with Municipality over the past several years, it has been recommended that additional cover material be added to the north slope of the landfill to ensure all non active waste areas are covered. The surface water quality adjacent to the landfill indicates that increased leachate runoff may be impacting the downstream water quality in proximity to the waste mound, as such, this action may provide mitigation. Also, as the ECA requires this to be covered and a recent MECP Site inspection had included this as a requirement, the Municipality should move forward with formal grading and capping of this area. Given this area has reached capacity as per the Site design, it would be recommended that this area have formal closure procedures initiated. This would include grading of the north slope, as well as all remaining non active area (i.e., east slope) to the design slopes of 3:1. Once those grades have been achieved, O.Reg. 347 requirements for final capping of a landfill include the addition of a low permeability soil (silt / clay) with a minimum depth of 600 mm to limit infiltration and leachate generation. Atop this final cover, a 150 mm thick layer of topsoil should be applied with seeding such that vegetation is established to reduce potential for erosion.

In addition to the items noted above the MECP had identified a few other items needing to be addressed as outlined in their March 2024 inspection report. These included the following:

North Slope Cover Material Addition: Discussed above.

Registering of Landfill Site on Property Title: It is understood that the Municipality is in



the process of satisfying this requirement.

Removal of All Wind Entrained Waste / Litter Surrounding Waste Footprint: The Municipality had begun this work in the fall of 2024.

Replacement of Entrance Sign: It is understood that the Municipality is in the process of updating the entrance sign to include the following as per the ECA requirement.

- a. the name of the Site and Owner;
- b. the number of the Approval;
- c. the normal hours of operation;
- d. the allowable and prohibited waste types;
- e. a warning against unauthorized access and dumping outside the Site;
- f. the telephone number to which complaints may be directed; and
- g. a twenty-four (24) hour emergency telephone number (if different from above).

Ensure Adequate Firefighting & Contingency Spill Equipment is Available at Site: It is understood that the Municipality had completed this task.

Site Closure / Post Closure Use:

Beyond some of the activities and recommendations made for the north and northeastern slopes to address uncovered waste material, as well as the potential for extending the lifespan through some operational changes or Site expansion, consideration should be given to the ultimate closure of the Site as a landfill. Given the Site is currently licensed as a landfill, utilizing the Site as a waste transfer station represents a logical succession plan post-closure for the following reasons.

- The majority of infrastructure is already in place for waste transfer operations;
- The location is proximal to the more populated area of the municipality;
- Existing forested and wetland buffers in place to mitigate off-site impacts;
- Likely limited alternative land use for the Site; and,
- Obtaining an ECA from MECP for a waste transfer station on an existing licensed landfill will not require a number of studies that would be on an alternative site. These include environmental, noise, air, traffic, stormwater studies, as well as others potentially, depending on location.

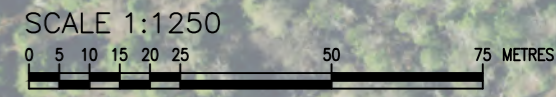
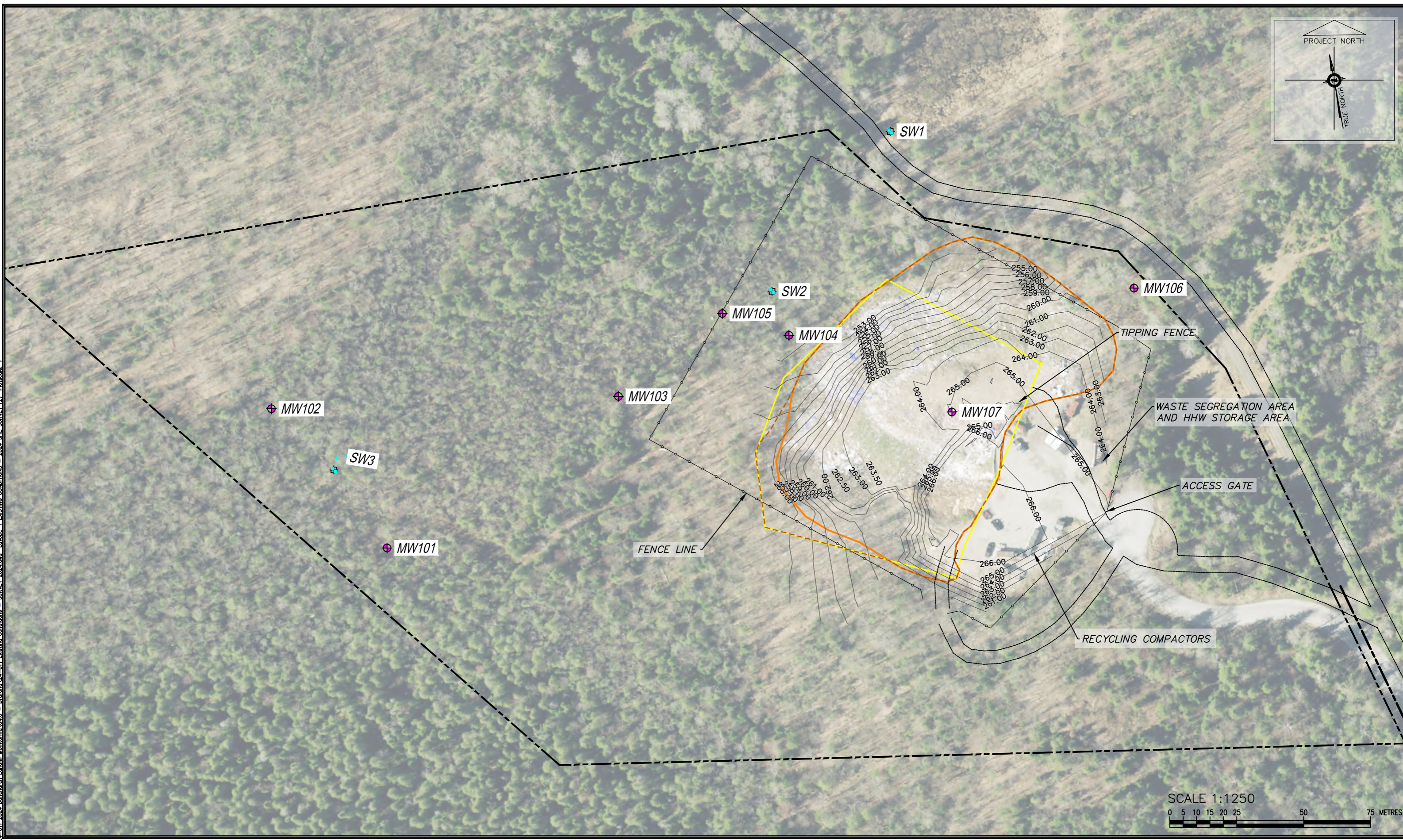
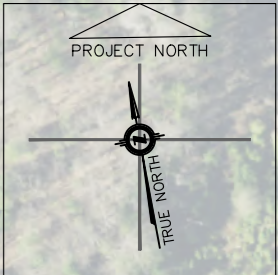
Other municipalities have taken this approach with their old landfill sites with wastes diverted either outside of their municipality (i.e., McDougall Landfill) or to an alternative municipal site (i.e., Aulds Road Landfill) using either municipal resources for transport or outsourcing this to a private contractor. Beyond the existing diversion & bin areas which already exist at the Site (i.e., household recyclables, metal, electronic waste), the



Site could be converted to a full waste transfer station with the addition of two roll-off bins for household wastes and two roll-off bins for larger bulky wastes.

The post-closure land use and closure activities are generally established through a closure plan, which is mandated by the current ECA to be completed at least two years prior to the anticipated closure for the Site. The specifics of this document include plan for termination of operations at the Site, application of final cover, post closure maintenance, environmental monitoring program, inspections and end use of the Site. As such, the first component would be to establish the post closure use (i.e., waste transfer station, passive use, other), then a Site plan with proposed land use and associated contours of the waste mound would need to be established following both those previously presented in the Design and Operations Plan as well the applicable provincial regulations for landfills (O.Reg. 347).

As noted above, it has been recommended that some of this work be initiated now following on the MECP recommendation to cover the northern slope. A progressive closure of the Site could be completed over a period of time leading up to final closure of the Site such that the costs associated with closure can be spread out over a longer period of time which would also make it more feasible to be done using Municipality resources (i.e., equipment, labour, cover material), rather than a one-time larger capital expense that would need to be outsourced.

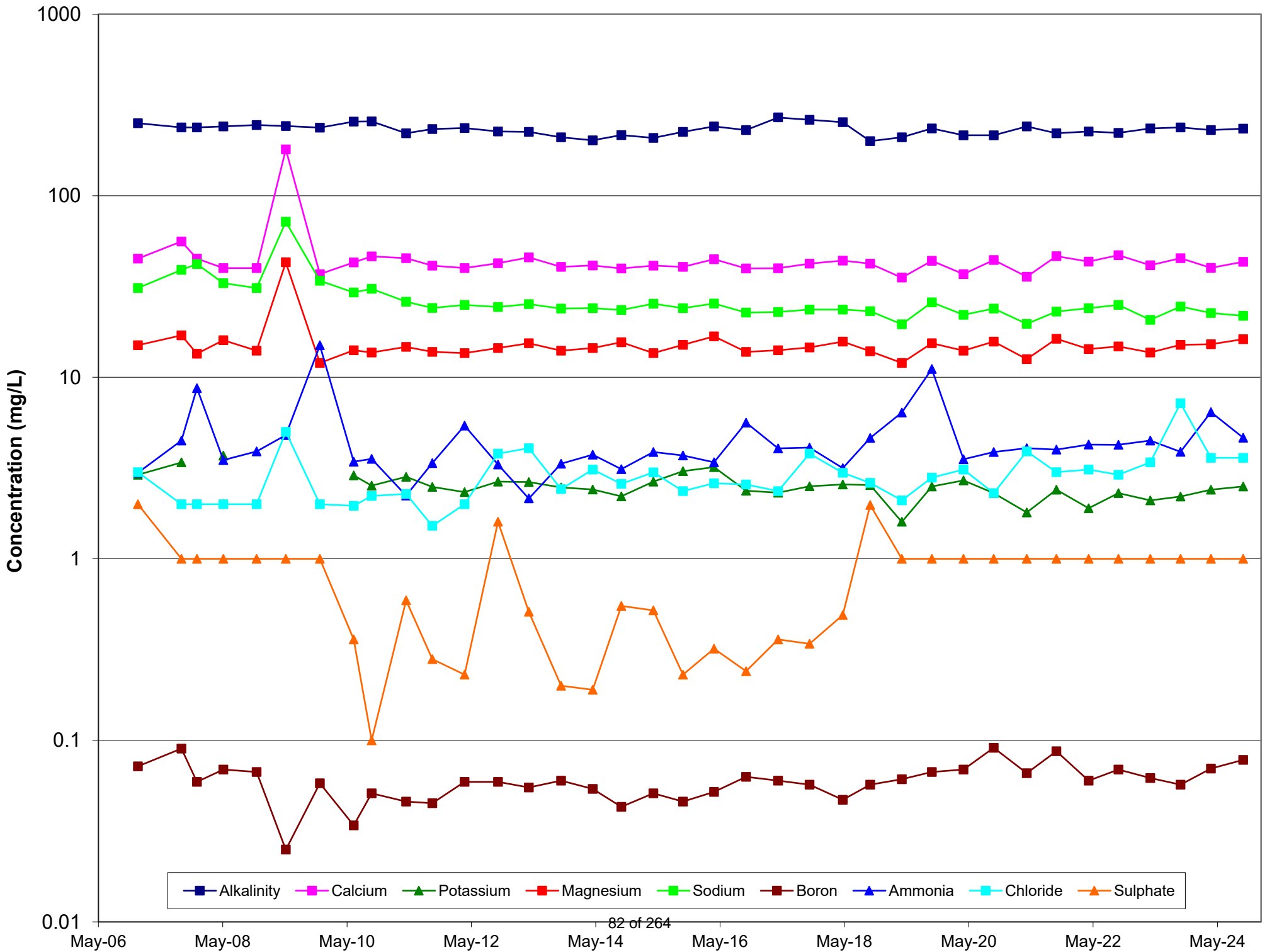


LEGEND:	
	APPROX. PROPERTY BOUNDARY
	CURRENT WASTE AREA
	FUTURE WASTE AREA
	PROPOSED WASTE FOOTPRINT
	MONITORING WELL LOCATIONS
	SURFACE WATER MONITORING LOCATIONS
	100.00 — 0.5m CONTOURS (AZIMUTH, 2024)

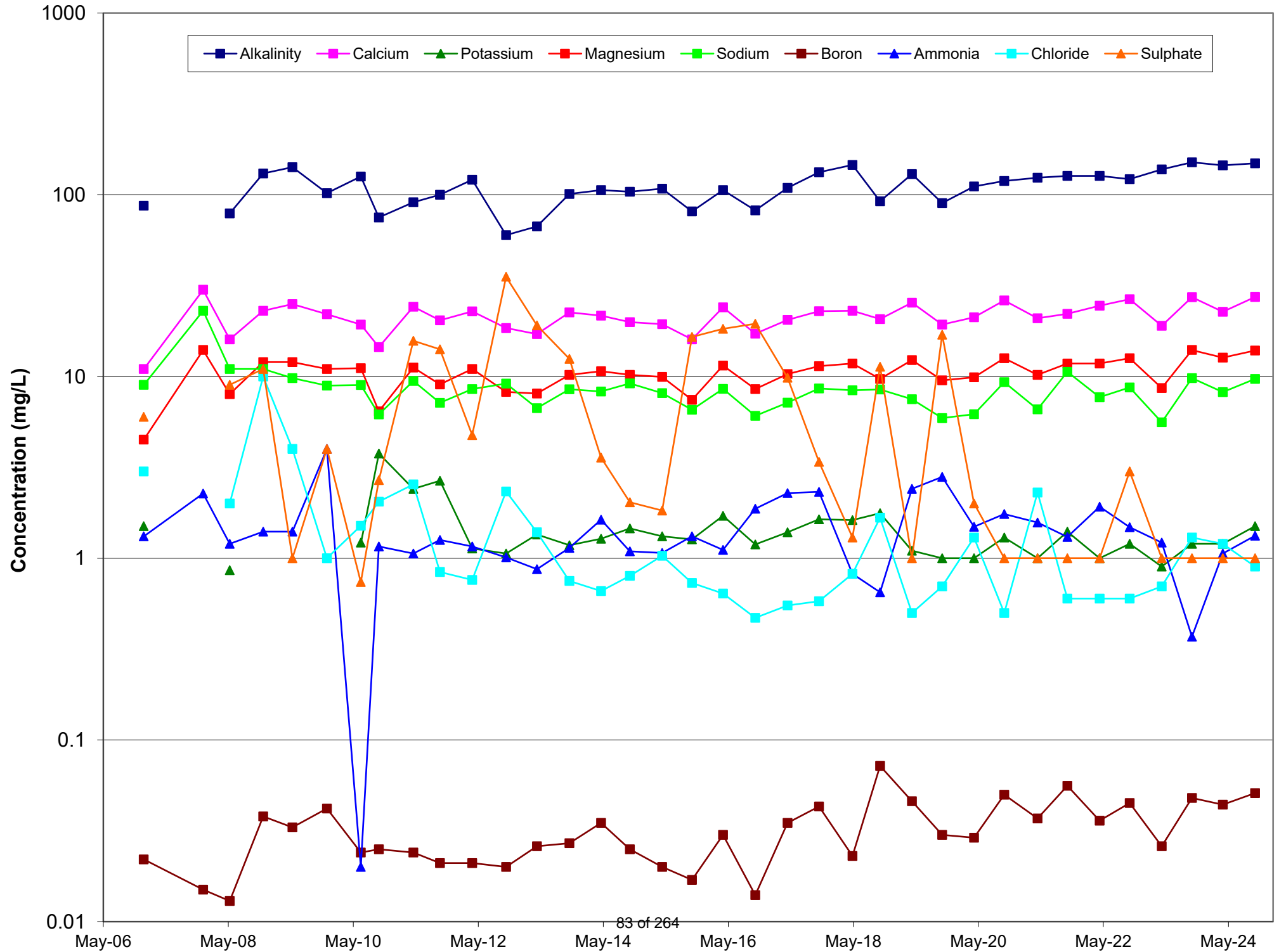
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PROJECT NO.:	24-011	
REFERENCE:	ESRI	

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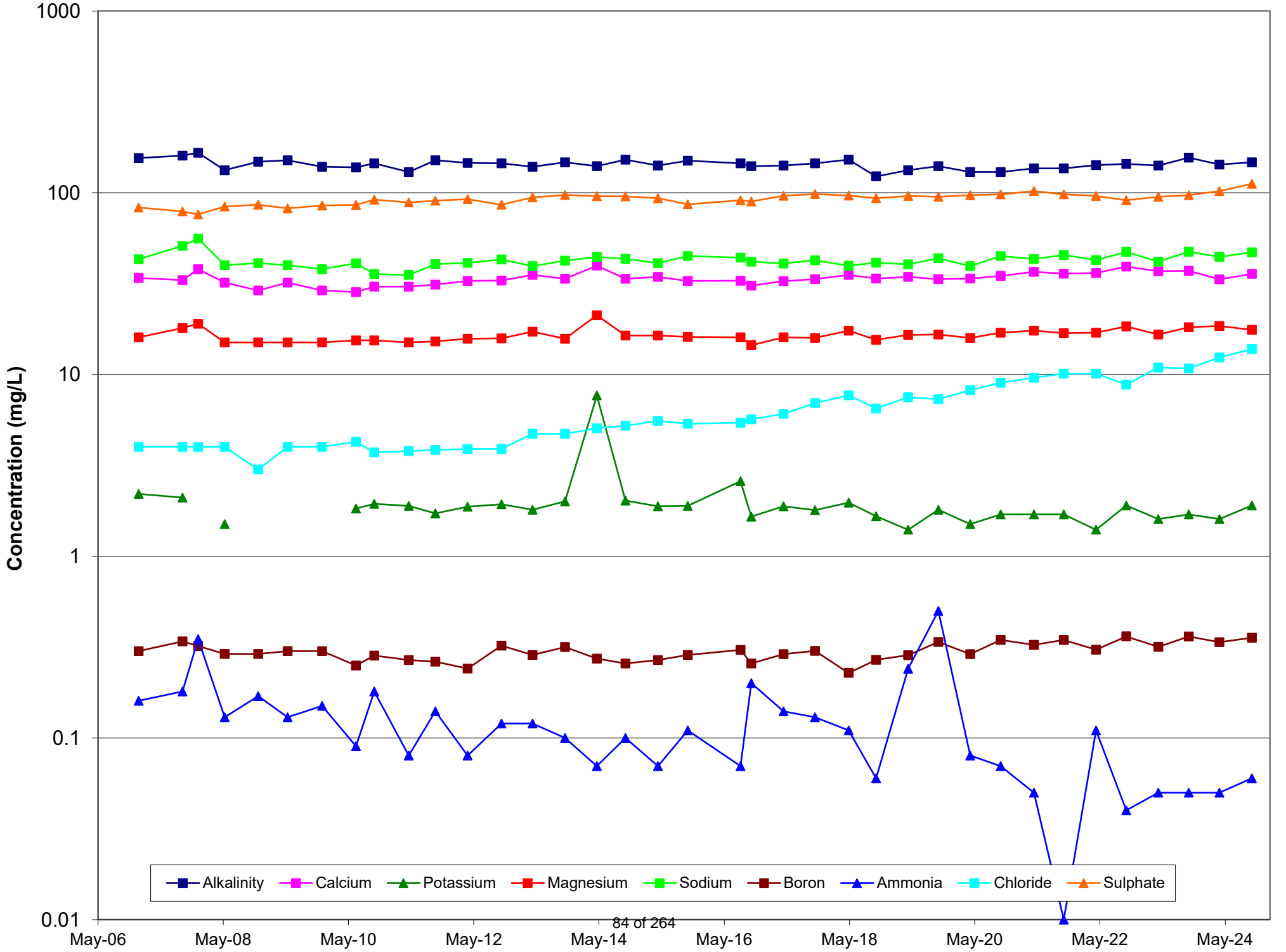
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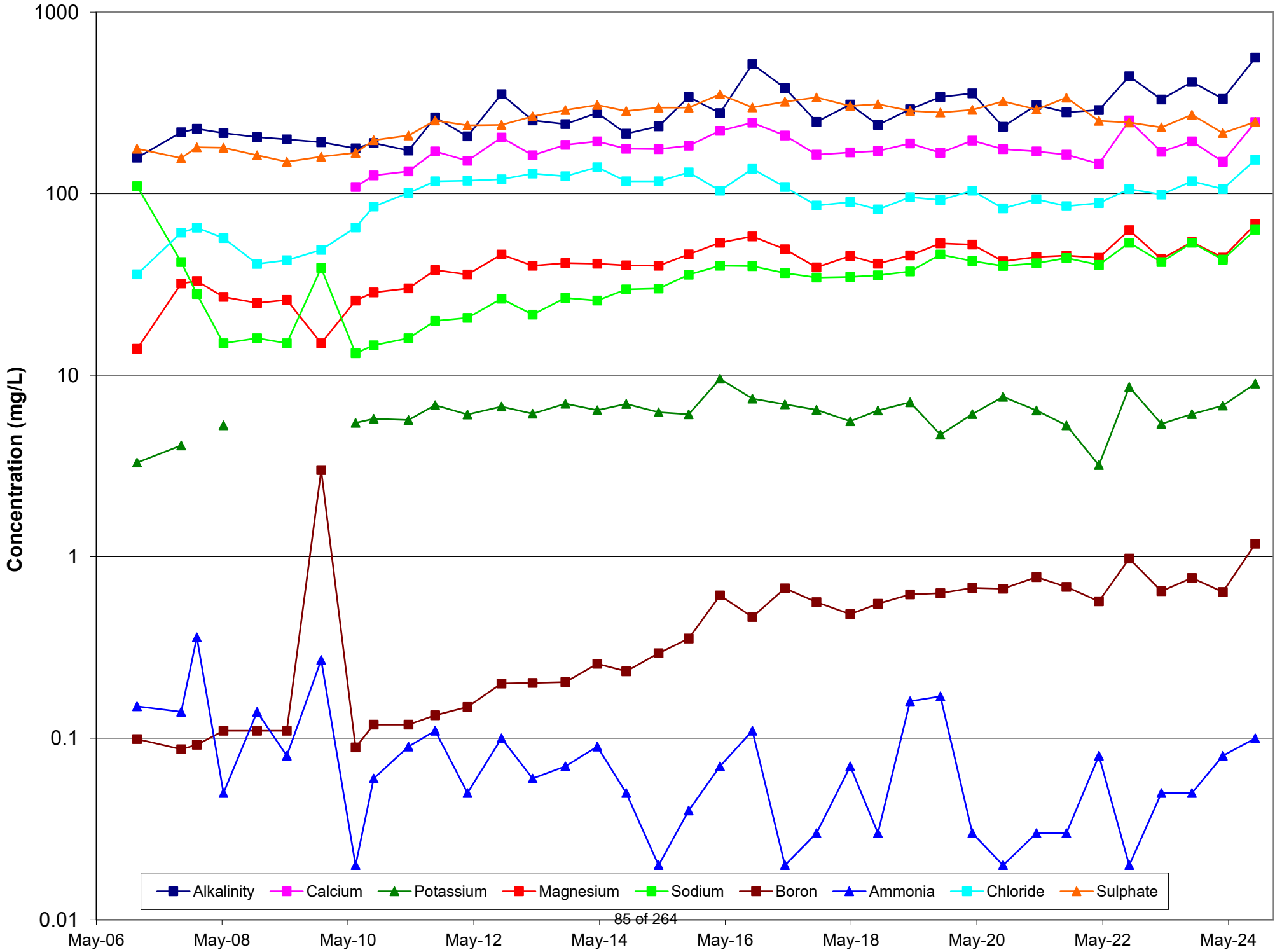
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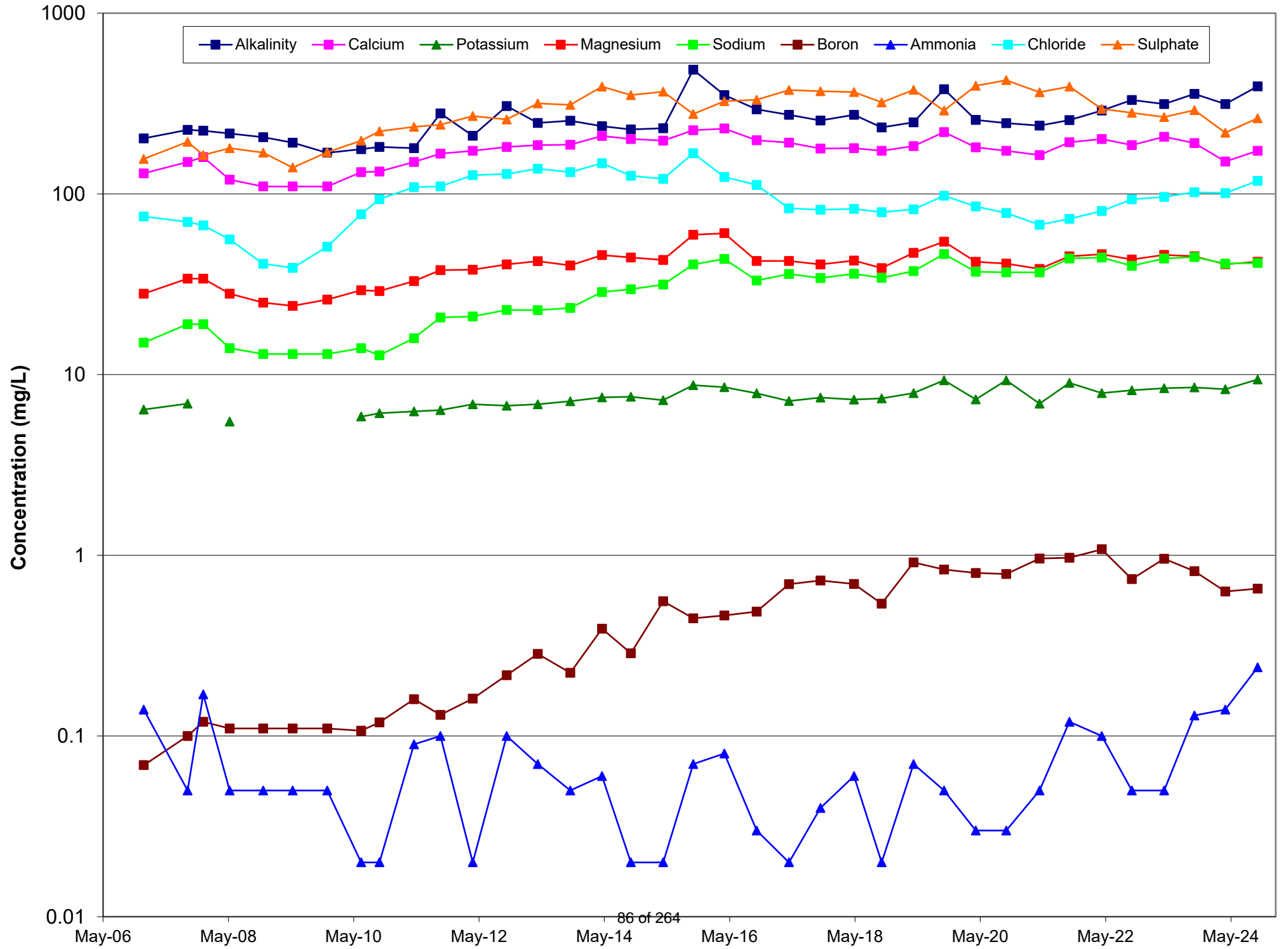
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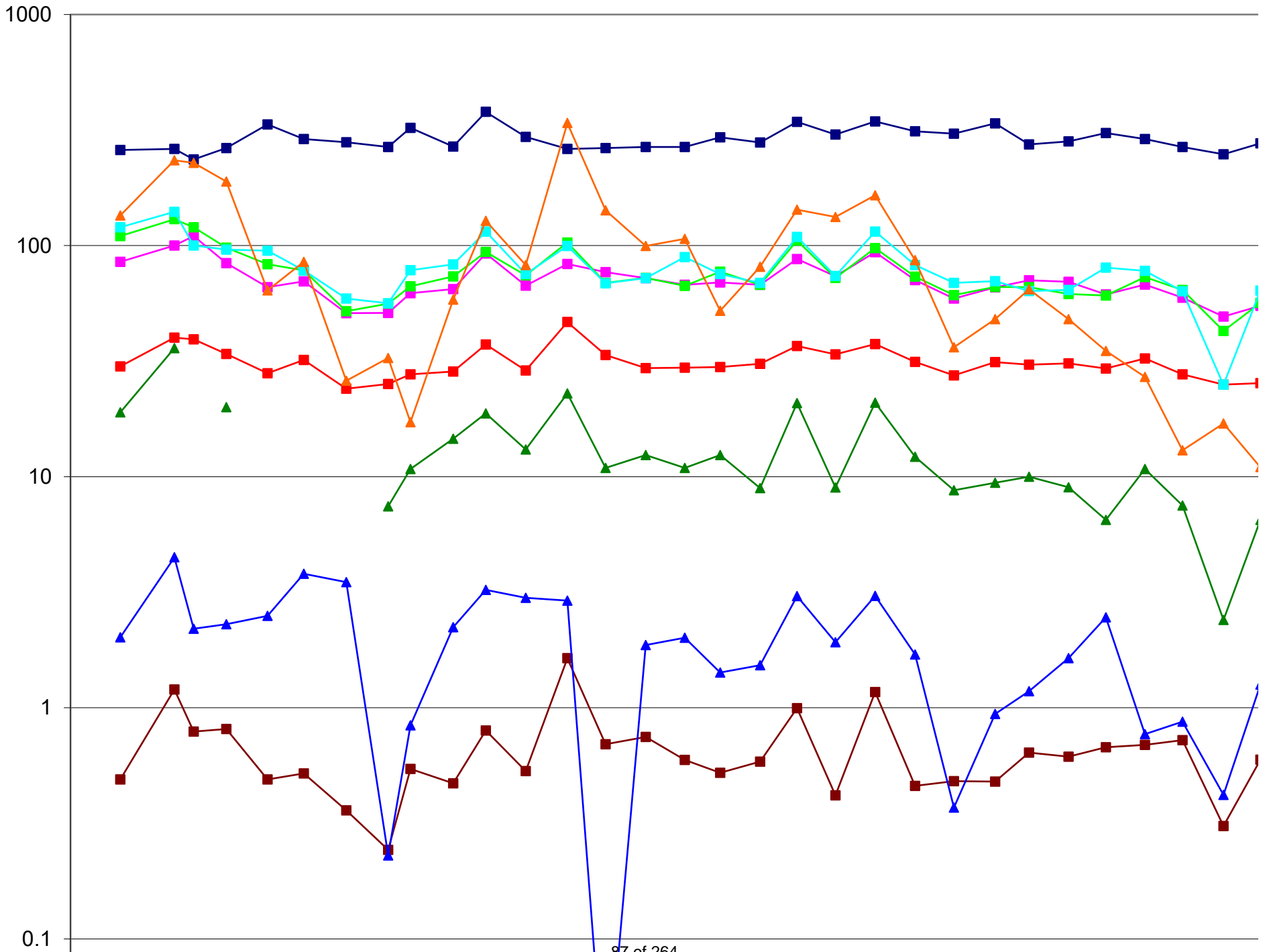
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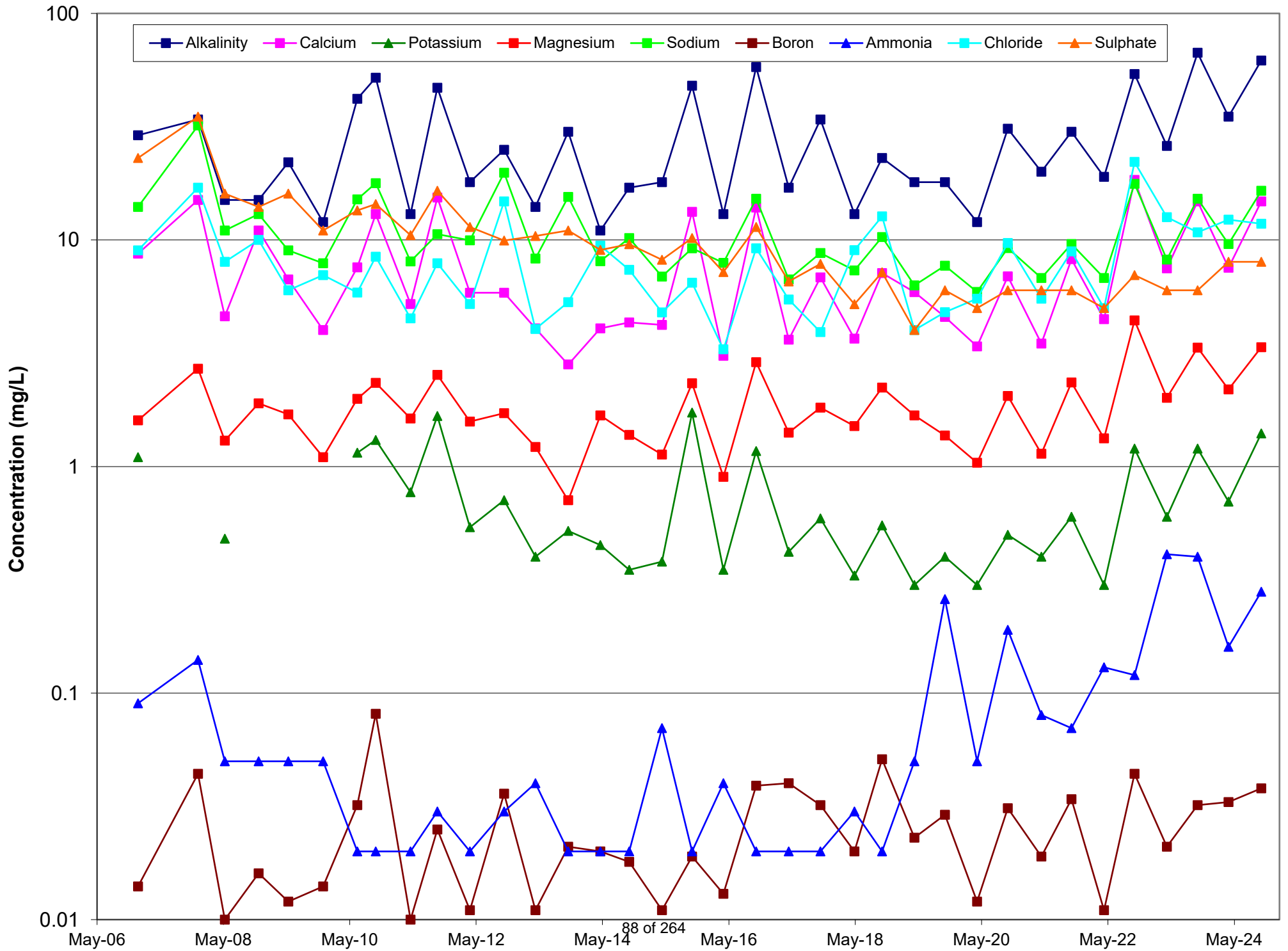
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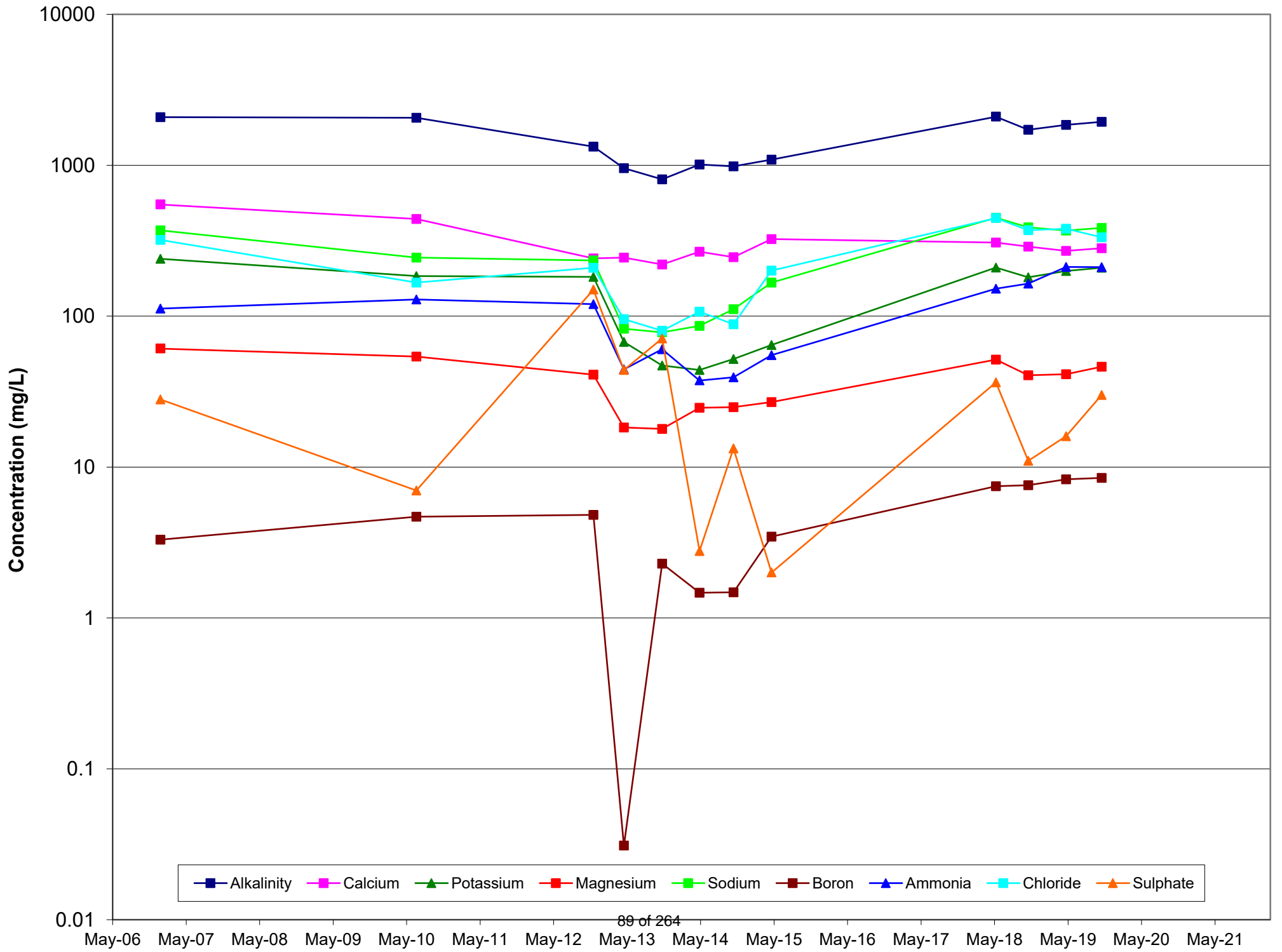
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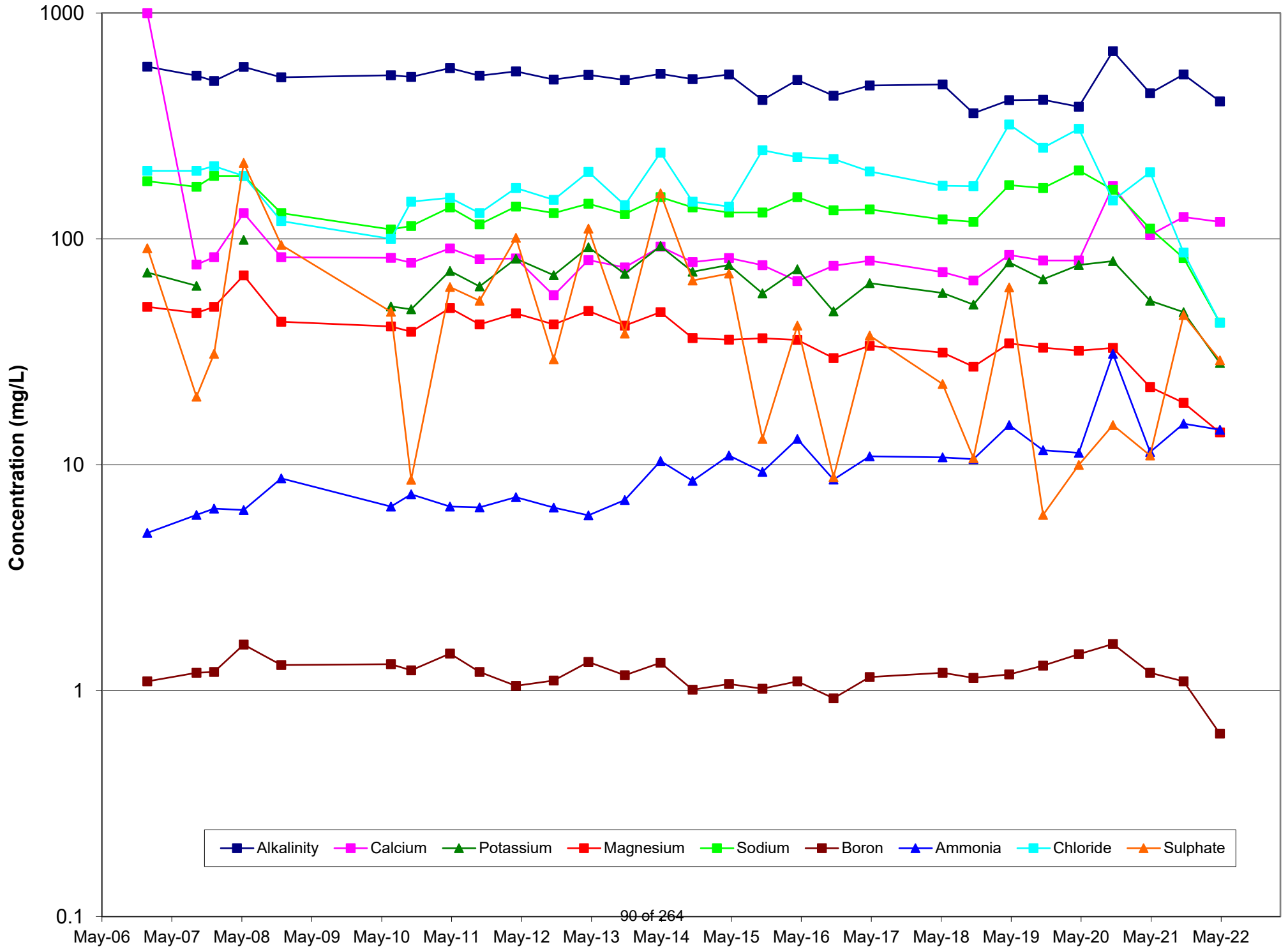
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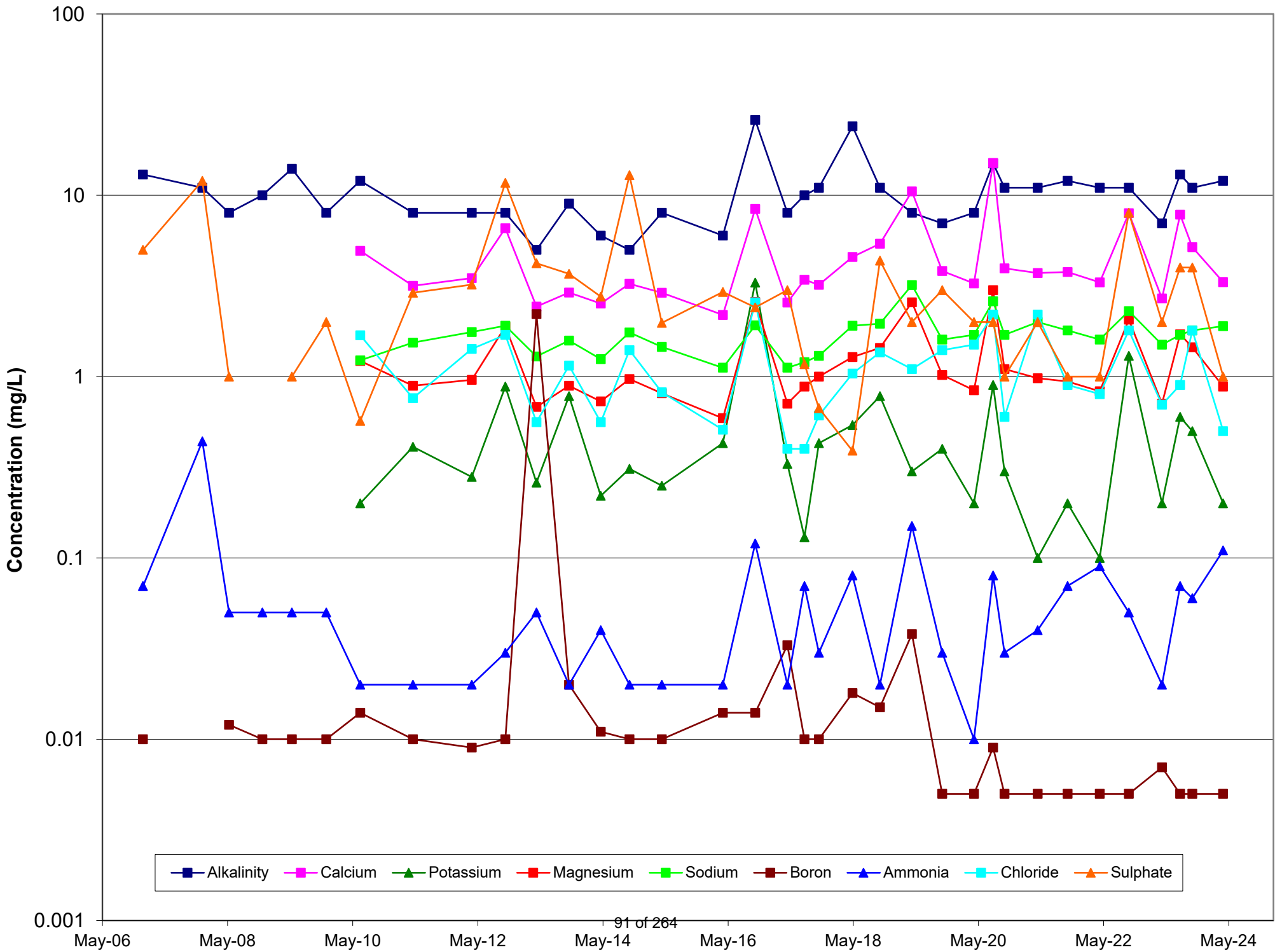
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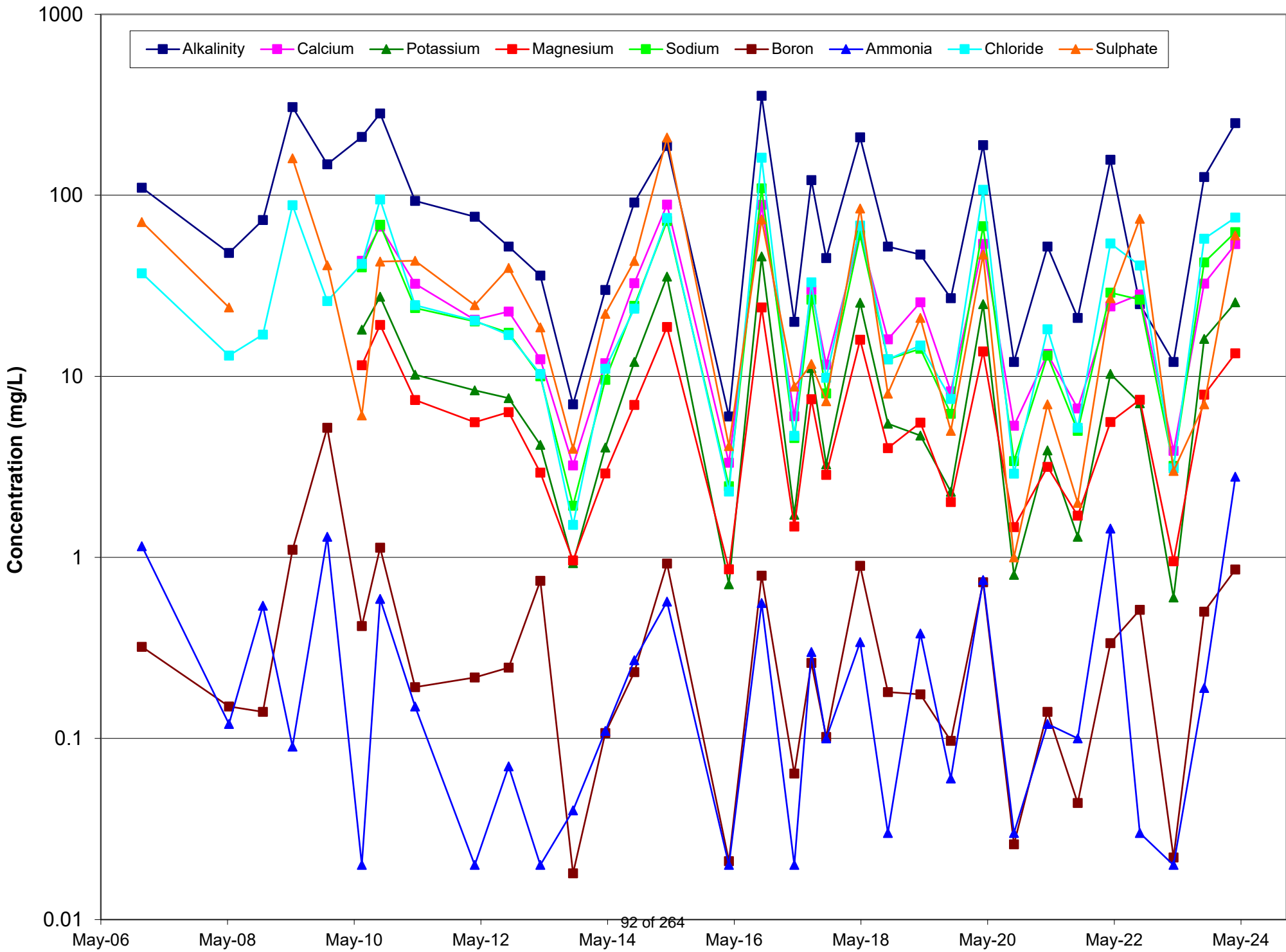
MW-107D



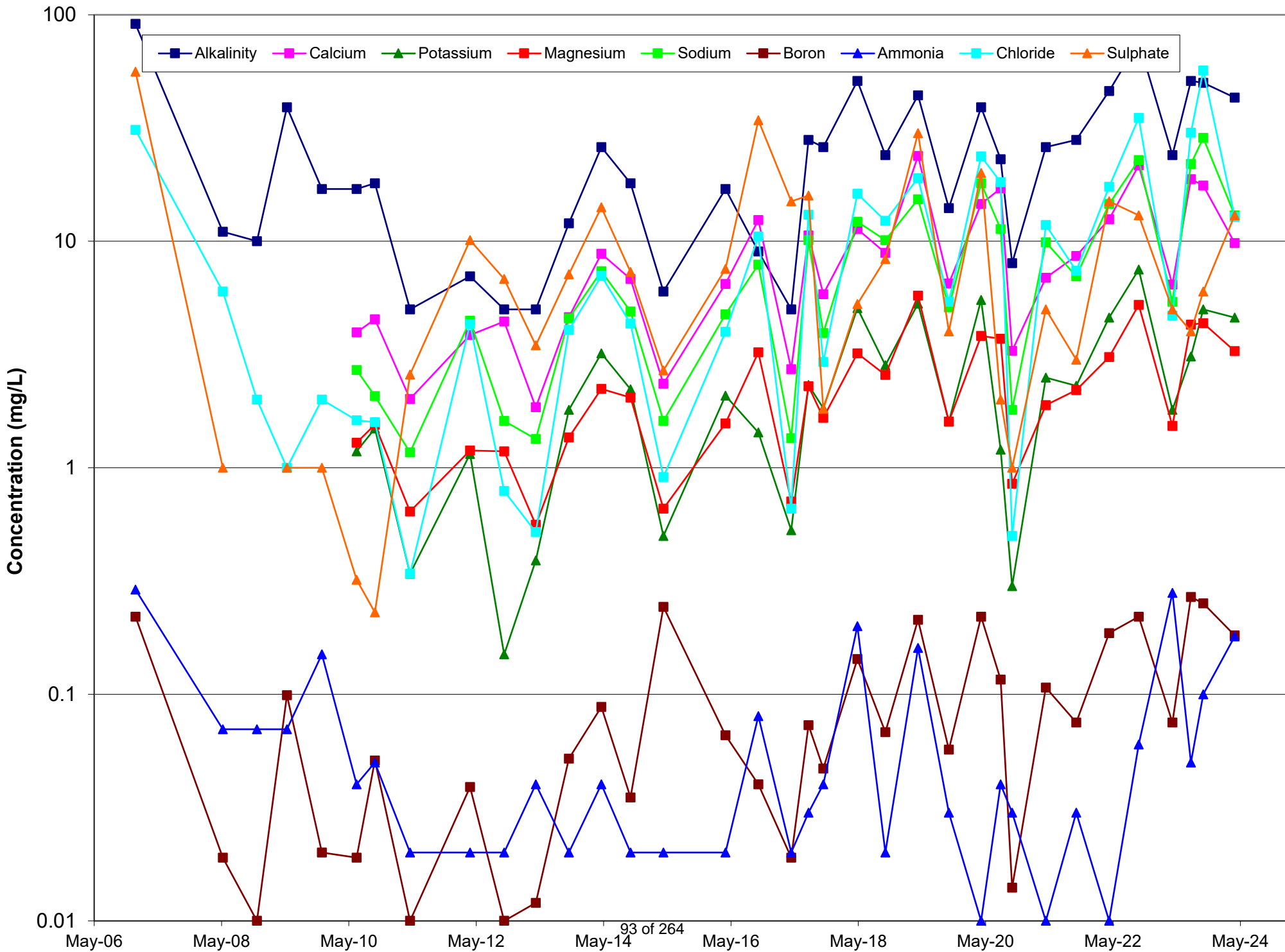
SW-1



SW-2



SW-3



Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards		MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101		
				Objective	Type	Sampled on: 2014-05-06	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-10-25	Sampled on: 2019-04-30	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-10-22	Sampled on: 2021-05-04
						Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
Saturation pH		N/A	-	-		7.31	7.28	7.31	7.26	7.19	7.27	7.2	7.19	7.18	7.32	7.56	7.42	7.53	7.45	7.5
pH		N/A	-	6.5 - 8.5	OG	8.1	7.51	8.13	7.98	7.69	7.8	7.78	7.26	7.61	7.8	7.03	7.44	7.07	7.26	7.98
Langlier Index		N/A	-	-		0.79	0.23	0.82	0.72	0.5	0.53	0.58	0.07	0.43	0.48	-0.532	0.0192	-0.461	-0.194	0.483
Alkalinity (as CaCO3)		mg/L	265	500	OG	202	216	208	225	241	230	270	262	254	200	210	235	215	215	241
Bicarbonate (as CaCO3)	HCO ₃ ⁻²	mg/L	-	-		202	216	208	225	241	230	270	262	254	200	210	235	215	215	241
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hydroxide		mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		420	428	406	427	454	432	464	440	430	463	423	458	439	445	459
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride	Cl ⁻	mg/L	129	250	AO	3.1	2.59	2.99	2.36	2.61	2.57	2.36	3.8	2.98	2.62	2.1	2.8	3.1	2.3	3.9
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.06	0.08
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromide	Br ⁻	mg/L	-	-		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.4	<0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ⁻²	mg/L	253	500	AO	0.19	0.55	0.52	0.23	0.32	0.24	0.36	0.34	0.49	1.98	<1	<1	<1	<1	1
Calcium	Ca	mg/L	-	-		41.3	39.7	41.2	40.6	44.7	39.8	39.9	42.3	43.9	42.3	35.4	43.8	37	44.3	35.8
Magnesium	Mg	mg/L	-	-		14.5	15.6	13.6	15.1	16.8	13.8	14.1	14.6	15.7	13.9	12	15.4	14	15.7	12.6
Sodium	Na	mg/L	105	200	*AO	24	23.5	25.4	24	25.5	22.7	22.9	23.6	23.6	23.1	19.6	25.9	22.1	23.9	19.7
Potassium	K	mg/L	-	-		2.41	2.21	2.66	3.04	3.2	2.37	2.31	2.51	2.57	2.55	1.6	2.5	2.7	2.3	1.8
Ammonia as N	NH ₃ -N	mg/L	-	-		3.75	3.12	3.87	3.71	3.4	5.62	4.06	4.1	3.16	4.63	6.39	11.1	3.53	3.87	4.07
Phosphate as P	PO ₄ ⁻³	mg/L	-	-		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	20	39.9	<0.002	0.065	0.036
Total Phosphorus	P	mg/L	-	-		7.22	0.32	29.5	2.47	17.3	16.4	8.58	8.4	0.26	9.68	31.5	104	38.6	0.8	52.5
Reactive Silica	Si	mg/L	-	-		46.8	51.7	36.2	55	42.1	50.7	40.5	47.7	49.5	50.6	40.7	51.1	43.4	54.4	43.7
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	4.4	5.6	5.1	4.4	6.1	6.7	5.4	5.6	4.2	5.1	5.3	5.8	4.6	6.1	8.1
Colour		Colour Units	-	5	AO	5	<5	7	7	7	8	7	9	9	<5	5	7	4	7	6
Turbidity		NTU	-	5	AO	11600	129	50000	4510	21900	9420	13100	7740	8070	23600	35200	53900	12400	11800	13400
Aluminum	Al	mg/L	0.12	0.1	OG	<0.004	<0.004	<0.004	0.009	0.004	2.43	0.117	0.037	0.006	0.006	0.07	0.02	0.03	0.04	0.03
Arsenic	As	mg/L	0.006	0.025	IMAC	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0009	0.0013	0.0012	0.0015	0.0011
Barium	Ba	mg/L	0.27	1	MAC	0.15	0.144	0.158	0.222	0.173	0.226	0.173	0.136	0.131	0.122	0.124	0.181	0.146	0.168	0.126
Boron	B	mg/L	1.27	5	IMAC	0.054	0.043	0.051	0.046	0.052	0.063	0.06	0.057	0.047	0.057	0.061	0.067	0.069	0.091	0.066
Cadmium	Cd	mg/L	0.0013	0.005	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC	<0.003	<0.003	<0.003	<0.003	<0.003	0.007	<0.003	<0.003	0.003	<0.003	<0.001	<0.001	<0.001	0.001	<0.001
Copper	Cu	mg/L	0.5	1	AO	<0.002	<0.002	<0.002	<0.002	<0.002	0.012	<0.002	<0.002	<0.002	<0.002	0.0009	0.0004	0.0027	0.0009	0.0008
Iron	Fe	mg/L	0.2	0.3	AO	11	10.3	10.9	12.2	7.4	16	12.3	6.04	7.41	4.16	9.04	11.4	1.88	13	10.6
Lead	Pb	mg/L	0.003	0.01	MAC	<0.001	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.001	<0.001	0.00013	0.00003	0.00033	0.00006	0.00003
Manganese	Mn	mg/L	0.04	0.05	AO	1.19	1.15	1.16	1.36	1.3	1.38	1.42	1.05	1.25	1.17	1.09	1.4	0.975	1.3	1.21
Mercury	Hg	mg/L	0.0003	0.001	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Molybdenum	Mo	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0001	0.0002	0.0002	0.0001	0.0001
Nickel	Ni	mg/L	-	-		<0.003	<0.003	<0.003	<0.003	<0.003	0.008	<0.003	<0.003	<0.003	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	Se	mg/L	0.003	0.01	MAC	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-	-		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		0.343	0.313	0.305	0.373	0.311	0.327	0.344	0.337	0.305	0.313	0.29	0.367	0.314	0.378	0.303
Thallium	Tl	mg/L	-	-		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	0.088	0.007	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium	U	mg/L	0.005	0.02	IMAC	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00008	0.0001	0.00026	0.00007	<0.00005
Vanadium	V	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	0.009	<0.002	<0.002	0.006	<0.002	0.0004	0.0003	0.0011	0.0004	0.0003
Zinc	Zn	mg/L	2.5	5	AO	<0.005	<0.005	<0.005	0.006	0.007	0.025	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	278	260	236	256	240	272	248	236	242	262	206	247	215	219	237
Total Hardness (as CaCO3)		mg/L	264	500	AO	163	163	159	164	181	156	158	166	174	163	138	173	150	175	141
% Difference/Ion Balance		%	-	-		5.7	1.8	4.1	0.895	1.5	1.16	9.82	6.56	3.76	6.15	1.29	6.8	0.284	3.28	3.34
Biochemical Oxygen Demand	BOD	mg/L	-	-		12	14	16	5	7	8	12	<5	6	14	13	13	14	8	12
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		4.41	3.6	3.76	3.87	7.9	5.71	4.38	4.39	3.11	4.6	15.9	24.1	18.6	3.6	33.1
Chemical Oxygen Demand	COD	mg/L	-	-		1														

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards		MW-101	MW-101	MW-101	MW-101	MW-101	MW-101	MW-101
				Objective	Type	Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-10-29
						Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon
Saturation pH		N/A	-	-		7.42	7.44	7.41	7.44	7.4	7.47	7.43
pH		N/A	-	6.5 - 8.5	OG	7.1	6.88	7.1	7.22	6.91	7.09	7.63
Langlier Index		N/A	-	-		-0.32	-0.561	-0.314	-0.224	-0.49	-0.378	0.202
Alkalinity (as CaCO3)		mg/L	265	500	OG	221	226	222	235	238	230	234
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		221	226	222	235	238	230	234
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		< 5	< 5	< 5	< 5	<5	<5	<5
Hydroxide		mg/L	-	-		< 5	< 5	< 5	< 5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		449	449	442	458	443	450	436
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	< 0.1	< 0.1	< 0.1	< 0.1	0.8	<0.1	<0.1
Chloride	Cl ⁻	mg/L	129	250	AO	3	3.1	2.9	3.4	7.2	3.6	3.6
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	< 0.05	0.11	< 0.05	0.08	0.27	<0.05	<0.05
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Bromide	Br ⁻	mg/L	-	-		< 0.4	< 0.4	< 0.4	< 0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	< 1	< 1	< 1	< 1	1	< 1	< 1
Calcium	Ca	mg/L	-	-		46.5	43.4	47	41.4	45.3	40.1	43.2
Magnesium	Mg	mg/L	-	-		16.3	14.3	14.8	13.7	15.1	15.2	16.2
Sodium	Na	mg/L	105	200	*AO	23	24	25	20.7	24.5	22.6	21.8
Potassium	K	mg/L	-	-		2.4	1.9	2.3	2.1	2.2	2.4	2.5
Ammonia as N	NH ₃ -N	mg/L	-	-		4	4.26	4.25	4.48	3.88	6.42	4.64
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		0.056	0.408	0.039	0.702	0.03	0.008	0.192
Total Phosphorus	P	mg/L	-	-		41.8	27.4	21.6	2.39	51.9	29.2	57.1
Reactive Silica	Si	mg/L	-	-		57.6	52.9	59.9	52.6	50.7	55.9	55.3
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	6.3	6.1	5.3	5.6	6.8	5.5	5.4
Colour		Colour Units	-	5	AO	5	5	5	6	16	6	4
Turbidity		NTU	-	5	AO	12700	29600	35900	9920	37800	30200	39300
Aluminum	Al	mg/L	0.12	0.1	OG	0.19	0.04	0.16	< 0.01	0.05	0.01	0.02
Arsenic	As	mg/L	0.006	0.025	IMAC	0.0014	0.0008	0.0011	0.001	0.0007	0.0012	0.0014
Barium	Ba	mg/L	0.27	1	MAC	0.194	0.142	0.172	0.155	0.149	0.17	0.163
Boron	B	mg/L	1.27	5	IMAC	0.087	0.06	0.069	0.062	0.057	0.07	0.078
Cadmium	Cd	mg/L	0.0013	0.005	MAC	< 0.000015	< 0.000015	0.000027	< 0.000010	<0.000015	<0.000015	<0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC	0.001	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
Copper	Cu	mg/L	0.5	1	AO	0.0016	0.0007	0.0043	0.0003	0.0006	0.0005	0.0009
Iron	Fe	mg/L	0.2	0.3	AO	13.7	10.6	11.6	12.9	5.56	11.2	13.8
Lead	Pb	mg/L	0.003	0.01	MAC	0.00094	0.00003	0.00024	< 0.00002	0.00004	0.00004	0.00003
Manganese	Mn	mg/L	0.04	0.05	AO	1.4	1.48	1.49	1.33	1.34	1.34	1.26
Mercury	Hg	mg/L	0.0003	0.001	MAC	< 0.00002	< 0.00002	< 0.00002	< 0.00002	<0.00002	<0.00002	<0.00002
Molybdenum	Mo	mg/L	-	-		0.0002	0.0002	0.0002	0.0001	0.0003	0.0002	<0.0001
Nickel	Ni	mg/L	-	-		< 0.01	< 0.01	< 0.01	< 0.01	0.0008	0.0009	0.0007
Selenium	Se	mg/L	0.003	0.01	MAC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-	-		< 0.0001	< 0.0001	< 0.0001	< 0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		0.392	0.352	0.363	0.343	0.354	0.376	0.371
Thallium	Tl	mg/L	-	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-	-		< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		0.014	< 0.005	0.011	< 0.005	<0.005	<0.005	<0.005
Uranium	U	mg/L	0.005	0.02	IMAC	0.00013	0.00013	0.00014	< 0.00005	0.00017	0.00012	<0.00005
Vanadium	V	mg/L	-	-		0.0015	0.0002	0.0005	0.0003	0.0002	0.0002	0.0003
Zinc	Zn	mg/L	2.5	5	AO	< 0.005	< 0.005	0.012	< 0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	230	240	244	236	252	235	250
Total Hardness (as CaCO3)		mg/L	264	500	AO	183	167	187	160	175	163	175
% Difference/Ion Balance		%	-	-		5.88	7.55	11.6	0.976	1.96	2.61	7.69
Biochemical Oxygen Demand	BOD	mg/L	-	-		15	12	< 3	< 3	<3	6	4
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		29.1	19.5	18	5.4	30.5	12.2	36.8
Chemical Oxygen Demand	COD	mg/L	-	-		678	308	402	134	1170	322	3270
Phenols		mg/L	-	-		< 0.002	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
pH (Field)						7.05	6.98	6.81	7.12	7.12	6.63	6.83
Temperature (Field)		°C				8.1	5.9	7.6	6.1	6.1	6.3	8.8
Conductivity (Field)		µS/cm				570	483	371	502	502	416	373

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets

**When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.

† Where nitrate and nitrite are present, their total should not exceed 10 mg/L.

Bold and highlighted indicates ODWQS exceedance

Bold italic and underlined indicates RUP exceedances

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

AO - Aesthetic Objective

OG - Operational Guideline

ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards		MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	
				Objective	Type	Sampled on: 2014-05-06	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-10-25	Sampled on: 2019-04-30	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-10-22	Sampled on: 2021-05-04
				AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Saturation pH		N/A	-	-		7.84	7.85	7.84	8.07	7.77	8.02	7.85	7.69	7.64	7.9	7.86	8.13	8	7.89	7.97
pH		N/A	-	6.5 - 8.5	OG	7.41	7.55	8.08	7.32	6.99	7.27	7.61	7.06	7.18	7.4	7.01	7	7.01	7.43	7.5
Langlier Index		N/A	-	-		-0.43	-0.3	0.24	-0.75	-0.78	-0.75	-0.24	-0.63	-0.46	-0.5	-0.853	-1.13	-0.991	-0.457	-0.469
Alkalinity (as CaCO3)		mg/L	265	500	OG	106	104	108	81	106	82	109	133	146	92	130	90	111	119	124
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		106	104	108	81	106	82	109	133	146	92	130	90	111	119	124
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hydroxide		mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		218	234	224	195	247	198	239	241	248	233	255	219	230	248	242
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	<0.05	<0.05	<0.05	<0.05	0.28	<0.05	<0.05	0.1	<0.05	0.19	<0.1	0.2	<0.1	<0.1	0.2
Chloride	Cl ⁻	mg/L	129	250	AO	0.66	0.8	1.03	0.73	0.64	0.47	0.55	0.58	0.82	1.67	<0.5	0.7	1.3	<0.5	2.3
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	0.06	<0.05	0.16	0.1	<0.05	0.1	<0.05	<0.05	0.05	<0.05	0.05	0.07	0.13	0.2	0.16
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	0.06
Bromide	Br ⁻	mg/L	-	-		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.4	<0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	3.58	2.03	1.83	16.5	18.3	19.5	9.84	3.39	1.3	11.3	<1	17	2	<1	1
Calcium	Ca	mg/L	-	-		21.6	19.9	19.4	16	24	17.2	20.5	22.9	23	20.7	25.5	19.3	21.2	26.2	20.9
Magnesium	Mg	mg/L	-	-		10.7	10.2	9.96	7.44	11.5	8.52	10.3	11.4	11.8	9.69	12.3	9.53	9.9	12.6	10.2
Sodium	Na	mg/L	105	200	*AO	8.27	9.17	8.11	6.56	8.55	6.07	7.18	8.59	8.4	8.49	7.5	5.9	6.2	9.3	6.6
Potassium	K	mg/L	-	-		1.28	1.46	1.32	1.27	1.71	1.19	1.39	1.64	1.62	1.77	1.1	1	1	1.3	1
Ammonia as N	NH ₃ -N	mg/L	-	-		1.63	1.09	1.07	1.32	1.11	1.87	2.28	2.32	0.82	0.65	2.41	2.8	1.49	1.75	1.57
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		<0.10	<0.10	0.47	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	20.1	17.8	0.557	1.26	0.912
Total Phosphorus	P	mg/L	-	-		12.4	0.09	0.62	7.94	0.06	16.6	20.5	24.6	0.2	0.14	36	42.7	39	24	12.5
Reactive Silica	Si	mg/L	-	-		36.7	43.5	35.4	39.9	39	41.9	45.9	43	38.9	45.1	35.3	35.3	31	42.8	30
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	37.1	7.7	7.3	76	33.1	57.5	49.8	54.3	6.9	10.8	9.1	10.8	7.2	5.6	6.2
Colour		Colour Units	-	5	AO	34	15	18	20	27	42	25	20	40	<5	13	76	37	19	12
Turbidity		NTU	-	5	AO	1080	27600	12500	9040	18600	133	11500	10800	22800	45200	20600	16400	5150	10600	6150
Aluminum	Al	mg/L	0.12	0.1	OG	0.054	0.02	0.07	0.084	0.069	0.279	0.233	0.023	0.033	0.024	0.03	0.03	0.03	0.03	0.46
Arsenic	As	mg/L	0.006	0.025	IMAC	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0006	0.0007	0.0003	0.0007	0.0007
Barium	Ba	mg/L	0.27	1	MAC	0.071	0.048	0.048	0.072	0.079	0.056	0.08	0.084	0.067	0.074	0.068	0.075	0.073	0.087	0.079
Boron	B	mg/L	1.27	5	IMAC	0.035	0.025	0.02	0.017	0.03	0.014	0.035	0.043	0.023	0.072	0.046	0.03	0.029	0.05	0.037
Cadmium	Cd	mg/L	0.0013	0.005	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015
Chromium	Cr	mg/L	0.0134	0.05	MAC	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.001	<0.001	<0.001	0.001	0.001
Copper	Cu	mg/L	0.5	1	AO	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0008	0.0005	0.0017	0.0021	0.0062
Iron	Fe	mg/L	0.2	0.3	AO	3.55	1.94	5.57	1.73	3.42	1.55	4.29	4.02	4.64	3.04	8.02	3.18	4.78	1.86	6.53
Lead	Pb	mg/L	0.003	0.01	MAC	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	0.00007	0.00004	0.00008	0.00008	0.00054
Manganese	Mn	mg/L	0.04	0.05	AO	0.506	0.521	0.416	0.388	0.588	0.352	0.568	0.653	0.524	0.641	0.635	0.442	0.536	0.608	0.528
Mercury	Hg	mg/L	0.0003	0.001	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Molybdenum	Mo	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	Ni	mg/L	-	-		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	Se	mg/L	0.003	0.01	MAC	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-	-		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		0.18	0.171	0.13	0.129	0.189	0.116	0.175	0.22	0.158	0.163	0.203	0.162	0.157	0.216	0.168
Thallium	Tl	mg/L	-	-		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		<0.002	<0.002	0.002	<0.002	<0.002	0.009	0.006	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	0.013
Uranium	U	mg/L	0.005	0.02	IMAC	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00006	0.00007	<0.00005	0.00019	0.00018
Vanadium	V	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.006	<0.002	0.0007	0.0013	0.0011	0.0011	0.0034
Zinc	Zn	mg/L	2.5	5	AO	0.006	<0.005	<0.005	<0.005	0.014	0.006	<0.005	0.006	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	324	274	290	262	272	284	322	208	196	264	128	115	116	122	126
Total Hardness (as CaCO3)		mg/L	264	500	AO	98	91.7	89.5	70.6	107	78	93.6	104	106	91.6	114	87	94	117	94
% Difference/Ion Balance		%	-	-		5.3	4.5	0.2	4.58	2	1.97	0.547	1.69	7.04	3.57	4.23	4.82	4.96	7.88	1.5
Biochemical Oxygen Demand	BOD	mg/L	-	-		8	8	<5	<5	6	<5	<5	<5	11	<3	7	7	7	<3	5
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		2.62	1.51	1.21	2.05	4.4	2.6	3	3.0							

Results of General Ground Water Chemistry

Parameter			Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102	MW-102
							Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-10-29
							Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
							Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon
Objective	Type												
Saturation pH		N/A	-	-			7.94	7.89	7.87	7.96	7.79	7.88	7.79
pH		N/A	-	6.5 - 8.5	OG		6.85	6.81	7.02	7.01	6.84	7	7.41
Langlier Index		N/A	-	-			-1.09	-1.08	-0.85	-0.954	-0.946	-0.876	-0.382
Alkalinity (as CaCO3)		mg/L	265	500	OG		127	127	122	138	151	145	149
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-			127	127	122	138	151	145	149
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-			< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hydroxide		mg/L	-	-			< 5	< 5	< 5	< 5	< 5	< 5	< 5
Electrical Conductivity		uS/cm	-	-			252	249	260	264	270	280	281
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC		< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2	< 0.1
Chloride	Cl ⁻	mg/L	129	250	AO		0.6	0.6	0.6	0.7	1.3	1.2	0.9
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC		0.14	0.1	0.12	0.11	1.31	< 0.05	0.78
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC		< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	0.26
Bromide	Br ⁻	mg/L	-	-			< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO		< 1	< 1	3	< 1	< 1	< 1	< 1
Calcium	Ca	mg/L	-	-			22.1	24.5	26.6	19	27.3	22.7	27.4
Magnesium	Mg	mg/L	-	-			11.8	11.8	12.6	8.64	14	12.7	13.9
Sodium	Na	mg/L	105	200	*AO		10.6	7.7	8.7	5.6	9.8	8.2	9.7
Potassium	K	mg/L	-	-			1.4	1	1.2	0.9	1.2	1.2	1.5
Ammonia as N	NH ₃ -N	mg/L	-	-			1.31	1.92	1.48	1.22	0.37	1.06	1.33
Phosphate as P	PO ₄ ³⁻	mg/L	-	-			0.434	1.76	0.259	0.501	0.249	0.149	0.286
Total Phosphorus	P	mg/L	-	-			42.2	23.3	8.91	6.64	13.2	8.29	8.51
Reactive Silica	Si	mg/L	-	-			28.7	36.4	48.1	28.4	45.8	39.2	45.5
Dissolved Organic Carbon	DOC	mg/L	-	5	AO		6.5	5.8	9.2	5	8.4	4.8	8.2
Colour		Colour Units	-	5	AO		11	10	16	13	18	13	18
Turbidity		NTU	-	5	AO		14200	10900	7420	5840	4460	2790	2620
Aluminum	Al	mg/L	0.12	0.1	OG		0.02	0.03	0.02	0.13	0.03	0.01	0.02
Arsenic	As	mg/L	0.006	0.025	IMAC		0.0013	0.0007	0.0004	0.0006	0.0008	0.0011	0.001
Barium	Ba	mg/L	0.27	1	MAC		0.069	0.079	0.082	0.071	0.077	0.048	0.08
Boron	B	mg/L	1.27	5	IMAC		0.056	0.036	0.045	0.026	0.048	0.044	0.051
Cadmium	Cd	mg/L	0.0013	0.005	MAC		0.000021	< 0.000015	< 0.000010	< 0.000010	< 0.000015	< 0.000015	< 0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC		< 0.001	0.003	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Copper	Cu	mg/L	0.5	1	AO		0.0075	0.0008	0.0028	0.0005	0.0005	0.0006	0.0004
Iron	Fe	mg/L	0.2	0.3	AO		0.008	6.59	4.54	5.55	5.22	6.1	5.74
Lead	Pb	mg/L	0.003	0.01	MAC		0.00107	0.00004	0.00009	0.00007	< 0.00002	0.00007	< 0.00002
Manganese	Mn	mg/L	0.04	0.05	AO		0.373	0.61	0.625	0.489	0.637	0.572	0.603
Mercury	Hg	mg/L	0.0003	0.001	MAC		< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Molybdenum	Mo	mg/L	-	-			< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel	Ni	mg/L	-	-			< 0.01	< 0.01	< 0.01	< 0.01	0.0008	0.0007	0.0008
Selenium	Se	mg/L	0.003	0.01	MAC		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silver	Ag	mg/L	-	-			< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Strontium	Sr	mg/L	-	-			0.184	0.19	0.197	0.149	0.212	0.21	0.22
Thallium	Tl	mg/L	-	-			< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tin	Sn	mg/L	-	-			< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	Ti	mg/L	-	-			< 0.005	< 0.005	< 0.005	0.008	< 0.005	< 0.005	< 0.005
Uranium	U	mg/L	0.005	0.02	IMAC		0.00041	0.0001	0.00006	0.00005	0.00006	0.00005	0.00009
Vanadium	V	mg/L	-	-			0.0076	0.0008	0.0007	0.001	0.0006	0.0007	0.0007
Zinc	Zn	mg/L	2.5	5	AO		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO		125	132	133	124	158	141	156
Total Hardness (as CaCO3)		mg/L	264	500	AO		104	110	122	83	126	109	126
% Difference/Ion Balance		%	-	-			2.34	8.92	10.9	10.8	1.43	0.747	4.38
Biochemical Oxygen Demand	BOD	mg/L	-	-			5	4	< 3	< 3	4	5	7
Total Kjeldahl Nitrogen	TKN	mg/L	-	-			36.8	23.3	7.7	4.7	9.6	5.4	8.2
Chemical Oxygen Demand	COD	mg/L	-	-			1120	778	934	338	760	273	469
Phenols		mg/L	-	-			< 0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (Field)							7.23	7.15	6.65	6.64	6.64	6.87	6.91
Temperature (Field)		°C					8.4	6.5	9	5.8	5.8	6.5	9.8
Conductivity (Field)		µS/cm					390	203	225	286	286	285	227

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets

**When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.

† Where nitrate and nitrite are present, their total should not exceed 10 mg/L.

Bold and highlighted indicates ODWQS exceedance

Bold italic and underlined indicates RUP exceedances

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

AO - Aesthetic Objective

OG - Operational Guideline

ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards		MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103		
				Objective	Type	Sampled on: 2014-05-06	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-10-20	Sampled on: 2016-08-23	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-10-25	Sampled on: 2019-04-30	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-10-22	Sampled on: 2021-05-04
				AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	Caduceon	Caduceon	Caduceon	Caduceon	Caduceon
Saturation pH		N/A	-	-		7.44	7.47	7.49	7.48	7.5	7.55	7.51	7.5	7.44	7.57	7.78	7.77	7.8	7.79	7.74
pH		N/A	-	6.5 - 8.5	OG	7.92	8.19	8.22	8.03	8.2	7.99	8	7.43	7.48	7.99	7.81	7.93	7.62	7.87	8.15
Langlier Index		N/A	-	-		0.48	0.72	0.73	0.55	0.7	0.44	0.49	-0.07	0.04	0.42	0.0287	0.159	-0.181	0.0841	0.407
Alkalinity (as CaCO3)		mg/L	265	500	OG	140	152	141	150	145	140	141	145	152	123	133	140	130	130	136
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		140	152	141	150	145	140	141	145	152	123	133	140	130	130	136
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hydroxide		mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		460	485	463	481	516	469	507	485	468	515	489	492	486	493	496
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	0.5	0.4	<0.05	0.53	0.59	0.46	0.4	0.48	0.46	0.44	0.3	0.5	<0.1	0.3	0.5
Chloride	Cl ⁻	mg/L	129	250	AO	5.06	5.22	5.55	5.36	5.42	5.67	6.07	6.96	7.67	6.49	7.5	7.3	8.2	9	9.6
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	<0.10	<0.05	<0.05	<0.10	0.16	<0.05	0.13	<0.05	0.11	<0.05	0.14	0.15	0.17	0.14	0.06
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09
Bromide	Br ⁻	mg/L	-	-		<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.4	<0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	95.8	95.5	93.4	86.4	90.9	89.6	96.3	98.3	96.5	93.3	96	95	97	98	102
Calcium	Ca	mg/L	-	-		39.7	33.6	34.4	32.7	32.8	30.8	32.6	33.5	35.3	33.7	34.4	33.5	33.7	34.9	36.7
Magnesium	Mg	mg/L	-	-		21.2	16.4	16.4	16.1	16	14.5	16	15.9	17.4	15.5	16.5	16.6	15.9	17	17.4
Sodium	Na	mg/L	105	200	*AO	44.3	43.3	41	44.9	43.9	41.7	40.8	42.5	39.6	41.2	40.4	43.6	39.4	44.8	43.2
Potassium	K	mg/L	-	-		7.67	2.02	1.88	1.89	2.59	1.65	1.88	1.79	1.97	1.66	1.4	1.8	1.5	1.7	1.7
Ammonia as N	NH ₃ -N	mg/L	-	-		0.07	0.1	0.07	0.11	0.07	0.2	0.14	0.13	0.11	0.06	0.24	0.5	0.08	0.07	0.05
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		<0.20	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.29	17.9	0.123	0.124	0.064
Total Phosphorus	P	mg/L	-	-		<0.02	0.04	0.04	0.05	0.04	7.06	5.01	1.83	<0.02	0.02	8.4	35.3	7.38	9.12	18.8
Reactive Silica	Si	mg/L	-	-		19.6	19.5	18.2	23.9	22	22.3	19.9	20.3	17.8	21.3	18.9	20.9	17.7	21.6	20.4
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	2.8	2.9	5.5	3.4	5.6	2.9	3.2	2.4	2.3	1.8	2.8	2.5	1.7	1.8	3
Colour		Colour Units	-	5	AO	<5	7	6	<5	6	<5	<5	<5	8	<5	3	4	<2	5	4
Turbidity		NTU	-	5	AO	8180	18900	19300	430	5220	4340	5820	2610	6600	3.9	7390	28700	4430	7370	7010
Aluminum	Al	mg/L	0.12	0.1	OG	0.008	0.005	0.01	0.014	0.019	0.236	0.08	0.188	0.005	0.004	0.07	0.02	0.02	0.03	0.29
Arsenic	As	mg/L	0.006	0.025	IMAC	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0005	0.0011	0.0004	0.0008	0.0007
Barium	Ba	mg/L	0.27	1	MAC	0.04	0.036	0.027	0.043	0.035	0.041	0.042	0.052	0.039	0.036	0.032	0.033	0.039	0.039	0.038
Boron	B	mg/L	1.27	5	IMAC	0.273	0.257	0.268	0.286	0.305	0.257	0.289	0.301	0.228	0.269	0.285	0.337	0.289	0.346	0.325
Cadmium	Cd	mg/L	0.0013	0.005	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.001	<0.001	<0.001	0.004	<0.001
Copper	Cu	mg/L	0.5	1	AO	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0006	0.0001	0.0015	0.0014	0.0019
Iron	Fe	mg/L	0.2	0.3	AO	0.106	0.25	0.74	0.69	0.69	0.41	0.09	0.29	0.07	0.14	0.459	1.02	0.072	0.151	1.36
Lead	Pb	mg/L	0.003	0.01	MAC	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	0.00007	<0.00002	0.00004	0.00006	0.00039
Manganese	Mn	mg/L	0.04	0.05	AO	0.53	0.822	0.748	0.928	0.862	0.657	1.09	0.791	0.778	0.455	1.06	0.902	0.948	0.732	0.947
Mercury	Hg	mg/L	0.0003	0.001	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	
Molybdenum	Mo	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0009	0.0014	0.0012	0.0008	0.0011
Nickel	Ni	mg/L	-	-		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	Se	mg/L	0.003	0.01	MAC	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-	-		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		0.391	0.468	0.391	0.43	0.41	0.406	0.428	0.521	0.434	0.39	0.467	0.488	0.469	0.492	0.554
Thallium	Tl	mg/L	-	-		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		<0.002	0.005	<0.002	<0.002	<0.002	0.015	0.004	0.014	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	0.014
Uranium	U	mg/L	0.005	0.02	IMAC	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00018	0.00028	0.0003	0.00014	0.00025
Vanadium	V	mg/L	-	-		<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.005	<0.002	0.0004	0.0005	0.0007	0.0007	0.0023
Zinc	Zn	mg/L	2.5	5	AO	<0.005	<0.005	<0.005	<0.005	0.008	0.021	<0.005	0.007	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	336	292	276	296	296	292	272	286	300	279	285	279	285	285	295
Total Hardness (as CaCO3)		mg/L	264	500	AO	186	151	153	148	148	137	147	149	160	148	154	152	150	157	163
% Difference/Ion Balance		%	-	-		8.2	2.3	0.2	0.143	0.562	2.66	2.57	2.85	3.17	1.97	0.505	0.907	0.62	2.54	1.45
Biochemical Oxygen Demand	BOD	mg/L	-	-		7	<5	<5	<5	<5	<5	<5	<5	<5	10	5	4	4	<3	3
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		0.51	0.34	0.6	0.34	0.61	0.19	0.22	0.28	0.18	<0.10	2.1	10.1	2.3	3.9	8
Chemical Oxygen Demand	COD	mg/L	-	-		12	8	16	19	21	<5	<5	<5	9	160	230				

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	MW-103	
					Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-10-29	
					Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	
				Objective	Type	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon
Saturation pH		N/A	-	-		7.75	7.73	7.69	7.73	7.68	7.76	7.72
pH		N/A	-	6.5 - 8.5	OG	7.42	7.03	7.73	7.54	7.15	7.51	7.8
Langlier Index		N/A	-	-		-0.333	-0.701	0.0386	-0.185	-0.53	-0.253	0.079
Alkalinity (as CaCO3)		mg/L	265	500	OG	136	142	144	141	156	143	147
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		136	142	144	141	156	143	147
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		< 5	< 5	< 5	< 5	<5	<5	<5
Hydroxide		mg/L	-	-		< 5	< 5	< 5	< 5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		493	512	522	506	523	529	524
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	< 0.1	< 0.1	0.4	< 0.1	0.5	0.2	0.1
Chloride	Cl ⁻	mg/L	129	250	AO	10.1	10.1	8.8	10.9	10.8	12.4	13.8
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	0.11	0.08	0.11	0.14	0.17	0.1	0.15
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Bromide	Br ⁻	mg/L	-	-		< 0.4	< 0.4	< 0.4	< 0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	98	96	91	95	97	102	112
Calcium	Ca	mg/L	-	-		35.9	36.1	39.2	37	37.2	33.4	35.8
Magnesium	Mg	mg/L	-	-		16.9	17	18.4	16.6	18.2	18.5	17.6
Sodium	Na	mg/L	105	200	*AO	45.4	42.6	47.2	41.7	47.3	44.4	47
Potassium	K	mg/L	-	-		1.7	1.4	1.9	1.6	1.7	1.6	1.9
Ammonia as N	NH ₃ -N	mg/L	-	-		< 0.01	0.11	0.04	0.05	<0.05	<0.05	0.06
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		0.03	0.282	0.067	0.093	0.012	0.012	0.021
Total Phosphorus	P	mg/L	-	-		6.82	14.6	9.17	1.43	7.03	7.36	14.8
Reactive Silica	Si	mg/L	-	-		22.3	20.3	25.7	21.4	23.5	22	22.4
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	2.7	2.5	2.3	1.7	4.2	2.6	3.5
Colour		Colour Units	-	5	AO	5	< 2	4	2	2	4	2
Turbidity		NTU	-	5	AO	2370	9260	7730	2270	4040	7460	12700
Aluminum	Al	mg/L	0.12	0.1	OG	0.03	0.03	0.25	0.09	0.03	0.01	0.05
Arsenic	As	mg/L	0.006	0.025	IMAC	0.0008	0.0003	0.0008	0.0004	0.0014	0.0006	0.0009
Barium	Ba	mg/L	0.27	1	MAC	0.035	0.031	0.044	0.035	0.032	0.027	0.033
Boron	B	mg/L	1.27	5	IMAC	0.346	0.306	0.362	0.317	0.361	0.336	0.356
Cadmium	Cd	mg/L	0.0013	0.005	MAC	< 0.000015	< 0.000015	< 0.000010	< 0.000010	<0.000015	<0.000015	<0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
Copper	Cu	mg/L	0.5	1	AO	0.0008	0.0006	0.0046	0.0005	0.0005	0.0008	0.0007
Iron	Fe	mg/L	0.2	0.3	AO	0.881	0.31	0.954	0.765	1.18	0.748	1.17
Lead	Pb	mg/L	0.003	0.01	MAC	0.00003	0.00005	0.00021	0.00007	<0.00002	0.00003	0.00004
Manganese	Mn	mg/L	0.04	0.05	AO	0.833	0.982	0.699	1.2	0.966	0.999	0.921
Mercury	Hg	mg/L	0.0003	0.001	MAC	< 0.00002	< 0.00002	< 0.00002	< 0.00002	<0.00002	<0.00002	<0.00002
Molybdenum	Mo	mg/L	-	-		0.0012	0.0011	0.0012	0.0008	0.0011	0.001	0.0012
Nickel	Ni	mg/L	-	-		< 0.01	< 0.01	< 0.01	< 0.01	0.0004	0.0006	0.0004
Selenium	Se	mg/L	0.003	0.01	MAC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-	-		< 0.0001	< 0.0001	< 0.0001	< 0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		0.536	0.498	0.526	0.518	0.506	0.565	0.534
Thallium	Tl	mg/L	-	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-	-		< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		< 0.005	< 0.005	0.022	0.008	<0.005	<0.005	<0.005
Uranium	U	mg/L	0.005	0.02	IMAC	0.00031	0.00011	0.00021	0.00008	0.0001	0.00007	0.00021
Vanadium	V	mg/L	-	-		0.0005	0.0002	0.0015	0.0006	0.0002	0.0001	0.0003
Zinc	Zn	mg/L	2.5	5	AO	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	291	290	295	289	309	301	319
Total Hardness (as CaCO3)		mg/L	264	500	AO	159	160	174	161	168	160	162
% Difference/Ion Balance		%	-	-		2.23	0.105	5.68	0.562	0.901	0.903	2.09
Biochemical Oxygen Demand	BOD	mg/L	-	-		< 3	3	< 3	< 3	4	< 3	4
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		35.3	5.5	4.5	0.4	3.3	2.8	5.3
Chemical Oxygen Demand	COD	mg/L	-	-		155	245	208	45	146	196	621
Phenols		mg/L	-	-		< 0.002	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
pH (Field)						7.28	7.8	7.65	7.62	7.62	7.84	7.14
Temperature (Field)		°C				8	5.6	9.5	5.8	5.8	6.2	9.8
Conductivity (Field)		µS/cm				640	430	400	505	505	424	408

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets

**When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.

† Where nitrate and nitrite are present, their total should not exceed 10 mg/L.

Bold and highlighted indicates ODWQS exceedance
 Bold italic and underlined indicates RUP exceedances

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

AO - Aesthetic Objective

OG - Operational Guideline

ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards	MW-104S	MW-104S	MW-104S	MW-104S	MW-104S	MW-104S	MW-104S	
					Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-10-29	
					Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	
					Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	
Objective	Type											
Saturation pH		N/A	-	-		6.83	6.86	6.46	6.73	6.6	6.79	6.37
pH		N/A	-	6.5 - 8.5	OG	7.77	7.39	7.48	7.79	7.74	7.8	7.9
Langlier Index		N/A	-	-		0.941	0.533	1.02	1.06	1.14	1.01	1.53
Alkalinity (as CaCO3)		mg/L	265	500	OG	281	289	443	330	413	333	562
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		281	289	443	330	413	333	562
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hydroxide		mg/L	-	-		< 5	< 5	< 5	< 5	< 5	< 5	< 5
Electrical Conductivity		uS/cm	-	-		1260	1260	1610	1320	1500	1310	1740
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	< 0.1	< 0.1	< 0.5	< 1	< 0.1	< 0.1	< 0.1
Chloride	Cl ⁻	mg/L	129	250	AO	85.4	88.8	106	98.9	117	106	154
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	< 0.05	< 0.05	< 0.3	< 0.5	< 0.05	< 0.05	< 0.05
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	0.06	< 0.05	< 0.3	< 0.5	< 0.05	< 0.05	< 0.05
Bromide	Br ⁻	mg/L	-	-		< 0.4	< 0.4	< 2	< 4	0.6	0.5	< 0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	338	252	247	232	272	216	249
Calcium	Ca	mg/L	-	-		164	146	253	170	194	150	248
Magnesium	Mg	mg/L	-	-		45.6	44.3	63	43.7	54.1	44.5	68
Sodium	Na	mg/L	105	200	*AO	44.2	40.5	53.7	42	53.7	43.3	63.3
Potassium	K	mg/L	-	-		5.3	3.2	8.6	5.4	6.1	6.8	9
Ammonia as N	NH ₃ -N	mg/L	-	-		0.03	0.08	0.02	0.05	< 0.05	0.08	0.1
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		0.01	0.188	0.01	0.025	< 0.002	0.002	< 0.002
Total Phosphorus	P	mg/L	-	-		0.82	0.77	3.1	0.73	0.66	9.71	0.48
Reactive Silica	Si	mg/L	-	-		19.7	16.3	27.9	18.5	22	19	25.8
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	7.4	8	2.7	5.8	7.8	9.6	7.3
Colour		Colour Units	-	5	AO	5	4	5	5	5	6	5
Turbidity		NTU	-	5	AO	552	630	1440	1330	425	3000	296
Aluminum	Al	mg/L	0.12	0.1	OG	0.08	0.07	0.24	0.05	0.28	0.06	0.08
Arsenic	As	mg/L	0.006	0.025	IMAC	0.0003	0.0003	0.0008	0.0003	0.0006	0.0004	0.0008
Barium	Ba	mg/L	0.27	1	MAC	0.144	0.109	0.225	0.137	0.192	0.128	0.23
Boron	B	mg/L	1.27	5	IMAC	0.682	0.568	0.976	0.646	0.765	0.639	1.18
Cadmium	Cd	mg/L	0.0013	0.005	MAC	< 0.000015	< 0.000015	< 0.000012	< 0.000012	< 0.000015	< 0.000015	< 0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC	0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Copper	Cu	mg/L	0.5	1	AO	0.0044	0.001	0.0025	0.0004	0.0015	0.0008	0.001
Iron	Fe	mg/L	0.2	0.3	AO	0.09	0.122	2.23	0.484	0.967	0.564	2.05
Lead	Pb	mg/L	0.003	0.01	MAC	0.00005	0.00005	0.00018	0.00006	0.00031	0.00004	< 0.00004
Manganese	Mn	mg/L	0.04	0.05	AO	0.191	0.289	1.14	0.519	0.644	0.512	1.27
Mercury	Hg	mg/L	0.0003	0.001	MAC	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Molybdenum	Mo	mg/L	-	-		0.0008	0.0008	0.0003	0.0005	0.0006	0.0004	0.0003
Nickel	Ni	mg/L	-	-		< 0.01	< 0.01	< 0.01	< 0.01	0.0045	0.0036	0.0048
Selenium	Se	mg/L	0.003	0.01	MAC	< 0.001	0.002	0.003	0.001	< 0.001	0.001	< 0.001
Silver	Ag	mg/L	-	-		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Strontium	Sr	mg/L	-	-		4.19	3.31	6.04	4.31	4.6	4.88	6.26
Thallium	Tl	mg/L	-	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tin	Sn	mg/L	-	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Titanium	Ti	mg/L	-	-		< 0.005	< 0.005	0.019	< 0.005	0.014	< 0.005	< 0.005
Uranium	U	mg/L	0.005	0.02	IMAC	0.00277	0.00323	0.00274	0.00288	0.00314	0.0025	0.00256
Vanadium	V	mg/L	-	-		0.0011	0.0009	0.0008	0.0006	0.0016	0.0007	0.0005
Zinc	Zn	mg/L	2.5	5	AO	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	851	749	1001	791	947	767	1130
Total Hardness (as CaCO3)		mg/L	264	500	AO	597	547	942	604	707	557	901
% Difference/Ion Balance		%	-	-		3.64	2.8	9.43	0.434	1.24	2.89	1.27
Biochemical Oxygen Demand	BOD	mg/L	-	-		< 3	< 3	< 3	< 3	< 3	< 3	< 3
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		1	0.8	2.2	0.2	0.9	5	1
Chemical Oxygen Demand	COD	mg/L	-	-		91	89	109	52	94	264	181
Phenols		mg/L	-	-		< 0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (Field)						6.96	7.32	7	6.9	6.9	7.17	6.74
Temperature (Field)		°C				9.6	5.9	5.7	5.7	5.7	6.4	9.8
Conductivity (Field)		µS/cm				1924	1130	1070	1250	1250	985	951

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets
 **When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.
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 Bold and highlighted indicates ODWQS exceedance
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MAC - Maximum Acceptable Concentration
 IMAC - Interim Maximum Acceptable Concentration
 AO - Aesthetic Objective
 OG - Operational Guideline
 ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards		MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	
				Objective	Type	Sampled on: 2014-05-06	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-10-25	Sampled on: 2019-04-30	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-10-22	Sampled on: 2021-05-04
				AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	Caduceon	Caduceon	Caduceon	Caduceon
Saturation pH		N/A	-	-		6.67	6.71	6.71	6.31	6.44	6.61	6.65	6.71	6.67	6.76	6.83	6.58	6.83	6.87	6.9
pH		N/A	-	6.5 - 8.5	OG	8.42	8.12	8.24	8.05	7.91	8.1	7.96	7.8	7.93	8.1	7.71	7.85	7.83	7.76	8.18
Langlier Index		N/A	-	-		1.75	1.41	1.53	1.74	1.47	1.49	1.31	1.09	1.26	1.34	0.878	1.27	0.995	0.886	1.28
Alkalinity (as CaCO3)		mg/L	265	500	OG	237	227	231	487	352	294	274	255	274	233	249	380	257	246	239
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		225	227	231	487	352	294	274	255	274	233	249	380	257	246	239
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		12	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hydroxide		mg/L	-	-		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		1480	1390	1350	1710	1520	1420	1440	1280	1210	1340	1370	1510	1410	1360	1270
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chloride	Cl ⁻	mg/L	129	250	AO	148	126	121	168	124	112	83.2	81.8	82.5	79.2	82.1	97.6	85.1	78.3	67.5
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.07	0.09	0.1	0.08	0.05
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.05
Bromide	Br ⁻	mg/L	-	-		<0.25	<0.25	<0.25	<0.25	0.41	<0.25	<0.25	<0.25	<0.25	<0.25	<0.4	0.5	<0.4	<0.4	<0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	393	352	368	277	326	332	376	370	366	321	377	289	397	426	365
Calcium	Ca	mg/L	-	-		209	201	197	225	230	198	192	178	179	173	184	220	181	173	164
Magnesium	Mg	mg/L	-	-		45.8	44.4	43.1	59.4	60.6	42.5	42.5	40.7	42.8	38.9	47.2	54.4	42.1	41.1	38.5
Sodium	Na	mg/L	105	200	*AO	28.6	29.7	31.5	40.7	43.7	33.2	36	34.2	36.1	34.3	37.4	46.5	37.1	36.8	36.8
Potassium	K	mg/L	-	-		7.49	7.55	7.21	8.74	8.52	7.88	7.15	7.47	7.27	7.38	7.9	9.3	7.3	9.3	6.9
Ammonia as N	NH ₃ -N	mg/L	-	-		0.06	0.02	<0.02	0.07	0.08	0.03	<0.02	0.04	0.06	<0.02	0.07	0.05	0.03	0.03	0.05
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.034	0.018	<0.002	0.007	<0.002	
Total Phosphorus	P	mg/L	-	-		<0.02	0.04	<0.02	0.03	0.04	0.05	0.02	0.02	<0.02	<0.02	0.03	0.07	0.05	0.04	0.05
Reactive Silica	Si	mg/L	-	-		15.1	16.9	17.8	20.8	17.4	19.3	19	16.8	15.7	18.4	15.2	19.1	14.7	15.9	14.1
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	8.5	9.3	10.2	8.9	9.7	8.3	10.1	9.3	9.2	8.9	7.2	7.9	7.1	5.8	6.8
Colour		Colour Units	-	5	AO	5	<5	12	7	7	6	8	6	18	<5	5	5	4	7	7
Turbidity		NTU	-	5	AO	3.3	0.5	4.4	2.7	884	3.8	5.1	6.4	0.8	1.6	6.7	9.5	12.2	12.2	2.2
Aluminum	Al	mg/L	0.12	0.1	OG	<0.004	<0.004	<0.004	0.007	<0.004	0.006	0.005	0.008	<0.004	0.006	0.1	0.11	0.08	0.09	0.09
Arsenic	As	mg/L	0.006	0.025	IMAC	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0001	0.0002	0.0002	0.0004	<0.0003
Barium	Ba	mg/L	0.27	1	MAC	0.1	0.11	0.089	0.153	0.161	0.096	0.069	0.081	0.065	0.072	0.066	0.085	0.066	0.074	0.069
Boron	B	mg/L	1.27	5	IMAC	0.393	0.287	0.557	0.448	0.465	0.488	0.693	0.725	0.694	0.54	0.913	0.834	0.799	0.788	0.959
Cadmium	Cd	mg/L	0.0013	0.005	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.000015	<0.000015	<0.000015	<0.000015	<0.000029
Chromium	Cr	mg/L	0.0134	0.05	MAC	<0.003	<0.003	0.004	0.005	<0.003	<0.003	<0.003	<0.003	0.004	<0.003	<0.001	0.001	<0.001	<0.001	<0.001
Copper	Cu	mg/L	0.5	1	AO	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.003	0.002	0.0011	0.0009	0.0018	0.0014	0.0014
Iron	Fe	mg/L	0.2	0.3	AO	0.13	0.01	0.18	0.3	0.18	0.31	<0.01	0.19	<0.01	<0.01	<0.005	<0.005	0.11	0.402	0.18
Lead	Pb	mg/L	0.003	0.01	MAC	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.00002	<0.00004	<0.00004	0.00007	<0.00009
Manganese	Mn	mg/L	0.04	0.05	AO	0.315	0.276	0.363	0.66	0.46	0.506	0.399	0.364	0.358	0.093	0.347	0.548	0.498	0.339	0.396
Mercury	Hg	mg/L	0.0003	0.001	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	
Molybdenum	Mo	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0002	0.0003	0.0004	0.0003	0.0005
Nickel	Ni	mg/L	-	-		<0.003	<0.003	<0.003	0.008	<0.003	0.003	<0.003	<0.003	<0.003	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	Se	mg/L	0.003	0.01	MAC	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
Silver	Ag	mg/L	-	-		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		5.98	5.01	5.19	6.6	4.97	6.47	4.38	4.45	3.81	4.17	4.9	6.04	4.36	4.62	4.36
Thallium	Tl	mg/L	-	-		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00005	<0.00005	<0.00005	<0.00005	0.00013
Tin	Sn	mg/L	-	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		0.003	0.018	0.006	0.005	0.005	0.004	0.003	0.006	0.006	0.003	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium	U	mg/L	0.005	0.02	IMAC	0.004	0.003	0.004	0.005	0.004	0.004	0.003	0.003	0.003	0.003	0.00218	0.00275	0.00255	0.00224	0.00211
Vanadium	V	mg/L	-	-		<0.002	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	0.0005	0.0006	0.0005	0.0007	0.0008
Zinc	Zn	mg/L	2.5	5	AO	<0.005	0.007	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	944	980	1050	1190	916	1050	968	846	908	982	885	946	904	913	823
Total Hardness (as CaCO3)		mg/L	264	500	AO	710	685	669	806	824	669	654	612	623	592	654	774	626	601	568
% Difference/Ion Balance		%	-	-		4.4	0.8	2.5	5.54	3.5	2.96	2.69	4.1	4.07	0.207	0.736	3.99	4.92	7.07	4.13
Biochemical Oxygen Demand	BOD	mg/L	-	-		<2	<5	<5	<5	<5	<5	<5	<5	<5	7	<3	<3	<3	<3	<3
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		0.68	0.65	0.95	0.44	1.1	0.53	0.55	0.58	0.4	0.34	0.6	0.5	0.6	0.6	0.7
Chemical Oxygen Demand	COD	mg/L	-	-		28														

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards		DUP									
						MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D	MW-104D
						Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-04-23	Sampled on: 2024-10-29	Sampled on: 2024-10-29	
						Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	
Saturation pH		N/A	-	-		6.81	6.73	6.7	6.68	6.66	6.81	6.79	6.66	6.69	
pH		N/A	-	6.5 - 8.5	OG	7.8	7.59	7.68	7.89	7.88	7.88	7.84	7.98	8	
Langlier Index		N/A	-	-		0.991	0.861	0.977	1.21	1.22	1.07	1.05	1.32	1.31	
Alkalinity (as CaCO3)		mg/L	265	500	OG	256	289	331	314	358	314	337	394	375	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		256	289	331	314	358	314	337	394	375	
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Hydroxide		mg/L	-	-		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Electrical Conductivity		uS/cm	-	-		1270	1310	1410	1320	1400	1280	1350	1430	1410	
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Chloride	Cl ⁻	mg/L	129	250	AO	72.7	80.5	93.3	96.1	102	101	96.9	118	118	
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	< 0.05	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Bromide	Br ⁻	mg/L	-	-		< 0.4	< 0.4	< 0.4	< 4	0.5	0.5	0.5	< 0.4	< 0.4	
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	393	295	281	266	291	218	245	262	254	
Calcium	Ca	mg/L	-	-		193	201	186	207	191	151	147	173	169	
Magnesium	Mg	mg/L	-	-		45.1	46.3	43.3	46	45.2	40.8	39.9	42.1	41.8	
Sodium	Na	mg/L	105	200	*AO	43.9	44.5	40	43.9	44.7	41.1	40	41.5	41.2	
Potassium	K	mg/L	-	-		9	7.9	8.2	8.4	8.5	8.3	8.1	9.4	9.4	
Ammonia as N	NH ₃ -N	mg/L	-	-		0.12	0.1	0.05	0.05	0.13	0.14	0.09	0.24	0.34	
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		0.006	0.11	0.004	< 0.002	< 0.002	< 0.002	0.004	0.012	< 0.002	
Total Phosphorus	P	mg/L	-	-		0.09	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.06	
Reactive Silica	Si	mg/L	-	-		14.6	17.7	19.6	18.6	17.7	18.2	18	17.5	17.4	
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	8.2	6.7	3.2	7.7	8.4	8.8	9.5	7.5	7.6	
Colour		Colour Units	-	5	AO	6	4	5	5	6	6	17	13	6	
Turbidity		NTU	-	5	AO	3.9	2.9	3.4	6.8	1.1	2.7	4.8	5.8	8.4	
Aluminum	Al	mg/L	0.12	0.1	OG	0.09	0.1	0.05	0.06	0.11	0.06	0.05	0.06	0.06	
Arsenic	As	mg/L	0.006	0.025	IMAC	0.0006	0.0002	0.0002	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	
Barium	Ba	mg/L	0.27	1	MAC	0.076	0.075	0.093	0.081	0.088	0.083	0.08	0.091	0.089	
Boron	B	mg/L	1.27	5	IMAC	0.969	1.08	0.738	0.956	0.817	0.63	0.623	0.654	0.645	
Cadmium	Cd	mg/L	0.0013	0.005	MAC	< 0.000015	< 0.000015	< 0.000012	< 0.000012	< 0.000015	< 0.000015	< 0.000015	< 0.000015	< 0.000015	
Chromium	Cr	mg/L	0.0134	0.05	MAC	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
Copper	Cu	mg/L	0.5	1	AO	0.0008	0.0008	0.0022	0.0005	0.0006	0.0016	0.0007	0.0007	0.0007	
Iron	Fe	mg/L	0.2	0.3	AO	< 0.005	0.329	0.136	0.485	0.222	0.264	0.254	0.101	0.095	
Lead	Pb	mg/L	0.003	0.01	MAC	0.00006	< 0.00004	0.00005	< 0.00004	< 0.00002	0.00004	0.00002	< 0.00002	0.00002	
Manganese	Mn	mg/L	0.04	0.05	AO	0.191	0.491	0.217	0.543	0.464	0.362	0.353	0.291	0.284	
Mercury	Hg	mg/L	0.0003	0.001	MAC	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	
Molybdenum	Mo	mg/L	-	-		0.0004	0.0003	0.0004	0.0004	0.0004	0.0003	0.0003	0.0005	0.0005	
Nickel	Ni	mg/L	-	-		< 0.01	< 0.01	< 0.01	< 0.01	0.0031	0.003	0.0028	0.0028	0.0027	
Selenium	Se	mg/L	0.003	0.01	MAC	< 0.001	0.002	0.002	0.002	< 0.001	0.001	0.001	< 0.001	< 0.001	
Silver	Ag	mg/L	-	-		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
Strontium	Sr	mg/L	-	-		4.9	4.77	5.31	5.11	4.89	5.5	5.34	5.49	5.43	
Thallium	Tl	mg/L	-	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	
Tin	Sn	mg/L	-	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Titanium	Ti	mg/L	-	-		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Uranium	U	mg/L	0.005	0.02	IMAC	0.00199	0.00325	0.00275	0.00329	0.00302	0.00281	0.00264	0.00307	0.00306	
Vanadium	V	mg/L	-	-		0.0019	0.0006	0.0013	0.0006	0.0008	0.0005	0.0005	0.0011	0.0011	
Zinc	Zn	mg/L	2.5	5	AO	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Total Dissolved Solids	TDS	mg/L	276	500	AO	911	850	851	857	898	750	780	884	859	
Total Hardness (as CaCO3)		mg/L	264	500	AO	668	693	643	706	663	546	531	606	595	
% Difference/Ion Balance		%	-	-		0.481	6.03	0.936	5.66	1.67	2.28	6.84	7.59	6.68	
Biochemical Oxygen Demand	BOD	mg/L	-	-		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		0.9	0.6	0.7	0.7	0.8	0.7	0.7	1	1	
Chemical Oxygen Demand	COD	mg/L	-	-		21	47	24	33	58	31	31	43	45	
Phenols		mg/L	-	-		< 0.002	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	0.002	
pH (Field)						7.19	7.76	6.8	7.21	7.21	7.14	7.17	6.7	6.7	
Temperature (Field)		°C				7.9	6.5	6.5	7.2	7.2	7	6.1	9.8	9.8	
Conductivity (Field)		µS/cm				1200	1089	807	1302	1302	960	107	880	880	

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets

**When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.

† Where nitrate and nitrite are present, their total should not exceed 10 mg/L.

Bold and highlighted indicates ODWQS exceedance

Bold italic and underlined indicates RUP exceedances

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

AO - Aesthetic Objective

OG - Operational Guideline

ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Reasonable Use Policy (RUP)	Ontario Drinking Water Quality Standards	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	MW-105	
					Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-10-29	
					Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	
					Objective	Type						
Saturation pH		N/A	-	-		7.27	7.3	7.24	7.31	7.25	7.3	7.18
pH		N/A	-	6.5 - 8.5	OG	7.25	7.08	7.25	7.44	7.31	7.46	7.7
Langlier Index		N/A	-	-		-0.0216	-0.22	0.0137	0.133	0.0616	0.159	0.519
Alkalinity (as CaCO3)		mg/L	265	500	OG	277	263	301	274	303	260	313
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	-		277	263	301	274	303	260	313
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	-		< 5	< 5	< 5	< 5	<5	<5	<5
Hydroxide		mg/L	-	-		< 5	< 5	< 5	< 5	<5	<5	<5
Electrical Conductivity		uS/cm	-	-		758	666	839	706	751	632	782
Fluoride	F ⁻	mg/L	0.45	1.5	**MAC	< 0.1	< 0.1	0.2	< 0.1	0.3	0.1	<0.1
Chloride	Cl ⁻	mg/L	129	250	AO	63.8	42	67.3	48.1	56.8	32.3	67.2
Nitrate as N	NO ₃ -N	mg/L	2.8	10	†MAC	0.06	0.08	0.08	0.09	0.62	<0.05	0.08
Nitrite as N	NO ₂ -N	mg/L	0.3	1	†MAC	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Bromide	Br ⁻	mg/L	-	-		< 0.4	< 0.4	< 0.4	< 0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ²⁻	mg/L	253	500	AO	11	12	16	16	14	14	15
Calcium	Ca	mg/L	-	-		54.8	54	54.7	50.9	54.1	54.6	61.1
Magnesium	Mg	mg/L	-	-		25.4	26.4	26	23.9	25.7	28.3	29.2
Sodium	Na	mg/L	105	200	*AO	56.5	46.9	48.2	41.9	57.9	62.9	65.6
Potassium	K	mg/L	-	-		6.5	2.6	3.2	2.5	6.4	7.7	6.2
Ammonia as N	NH ₃ -N	mg/L	-	-		1.26	0.39	0.52	1.06	1.49	0.43	1.53
Phosphate as P	PO ₄ ³⁻	mg/L	-	-		0.036	0.312	0.028	0.051	0.006	0.011	0.023
Total Phosphorus	P	mg/L	-	-		5.76	17	15.5	12.5	1.29	23.1	23.5
Reactive Silica	Si	mg/L	-	-		25	23.3	26.8	24	28.5	23.2	24.8
Dissolved Organic Carbon	DOC	mg/L	-	5	AO	10	7.3	4.4	5.7	7.9	12	10.4
Colour		Colour Units	-	5	AO	17	9	15	10	13	9	14
Turbidity		NTU	-	5	AO	5200	11000	6630	6070	136	15200	7580
Aluminum	Al	mg/L	0.12	0.1	OG	0.12	0.04	0.02	0.11	1.85	0.04	0.33
Arsenic	As	mg/L	0.006	0.025	IMAC	0.0006	0.0006	0.0007	0.0009	0.0008	0.0004	0.0007
Barium	Ba	mg/L	0.27	1	MAC	0.104	0.091	0.094	0.082	0	0.109	0.122
Boron	B	mg/L	1.27	5	IMAC	0.596	0.354	0.405	0.311	0.629	0.63	0.693
Cadmium	Cd	mg/L	0.0013	0.005	MAC	< 0.000015	< 0.000015	< 0.000010	< 0.000010	<0.000015	<0.000015	<0.000015
Chromium	Cr	mg/L	0.0134	0.05	MAC	0.001	< 0.001	0.001	< 0.001	<0.001	<0.001	0.001
Copper	Cu	mg/L	0.5	1	AO	0.0014	0.0007	0.0004	0.0004	0.0008	0.0007	0.0009
Iron	Fe	mg/L	0.2	0.3	AO	3.03	1.42	1.47	2.11	1.2	3.19	3.27
Lead	Pb	mg/L	0.003	0.01	MAC	0.00007	0.00003	0.00003	0.00005	0.00006	0.00002	0.00011
Manganese	Mn	mg/L	0.04	0.05	AO	1.55	1.88	1.2	1.97	1.37	1.64	1.6
Mercury	Hg	mg/L	0.0003	0.001	MAC	< 0.00002	< 0.00002	< 0.00002	< 0.00002	<0.00002	<0.00002	<0.00002
Molybdenum	Mo	mg/L	-	-		0.0002	0.0005	0.0004	0.0003	0.0006	0.0001	0.0003
Nickel	Ni	mg/L	-	-		< 0.01	< 0.01	< 0.01	< 0.01	0.001	0.0019	0.002
Selenium	Se	mg/L	0.003	0.01	MAC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-	-		< 0.0001	< 0.0001	< 0.0001	< 0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-	-		0.357	0.331	0.328	0.309	0.352	0.387	0.396
Thallium	Tl	mg/L	-	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-	-		< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-	-		0.007	< 0.005	< 0.005	0.007	0.103	<0.005	0.019
Uranium	U	mg/L	0.005	0.02	IMAC	0.00029	0.00037	0.00044	0.00039	0.00062	0.00011	0.00032
Vanadium	V	mg/L	-	-		0.0012	0.0004	0.0007	0.0008	0.0011	0.0004	0.0012
Zinc	Zn	mg/L	2.5	5	AO	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	276	500	AO	390	346	400	352	404	361	440
Total Hardness (as CaCO3)		mg/L	264	500	AO	241	244	243	226	241	253	273
% Difference/Ion Balance		%	-	-		1.32	3.3	6.82	4.23	1.78	12.5	2.01
Biochemical Oxygen Demand	BOD	mg/L	-	-		3	3	4	< 3	4	7	<3
Total Kjeldahl Nitrogen	TKN	mg/L	-	-		7	6.6	11.2	9.8	1.2	14.8	15.9
Chemical Oxygen Demand	COD	mg/L	-	-		252	533	608	337	375	662	952
Phenols		mg/L	-	-		< 0.002	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
pH (Field)						6.91	7.36	6.85	6.56	6.56	7.14	7.37
Temperature (Field)		°C				8.6	6.4	9.1	6.1	6.1	7	9.4
Conductivity (Field)		µS/cm				830	606	535	627	627	960	471

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets

**When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.

† Where nitrate and nitrite are present, their total should not exceed 10 mg/L.

Bold and highlighted indicates ODWQS exceedance

Bold italic and underlined indicates RUP exceedances

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

AO - Aesthetic Objective

OG - Operational Guideline

ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Objective	Type	Ontario Drinking Water Quality Standards	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106			
					Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:	Sampled on:
					2014-05-06	2014-10-21	2015-04-28	2015-10-20	2016-04-19	2016-10-25	2017-05-02	2017-11-02	2018-05-17	2018-10-25	2019-04-30	2019-10-24	2020-04-27	2020-10-22	2021-05-04	Sampled by:	Sampled by:
AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT			
Saturation pH		N/A	-			9.5	9.32	9.33	8.52	9.6	8.34	9.37	8.85	9.47	8.98	9.3	9.41	9.72	9	9.47	
pH		N/A	6.5 - 8.5	OG		6.58	6.77	7.23	7.26	6.43	7.16	6.69	6.42	6.24	6.71	6.29	6.52	6.29	6.31	7	
Langlier Index		N/A	-			-2.92	-2.55	-2.1	-1.26	-3.17	-1.18	-2.68	-2.43	-3.23	-2.27	-3.01	-2.89	-3.43	6.22	-2.47	
Alkalinity (as CaCO3)		mg/L	500	OG		11	17	18	48	13	58	17	34	13	23	18	12	31	20	20	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-			11	17	18	48	13	58	17	34	13	23	18	12	31	20	20	
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Hydroxide		mg/L	-			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Electrical Conductivity		uS/cm	-			86	88	85	140	67	176	66	93	72	123	74	78	62	117	78	
Fluoride	F ⁻	mg/L	1.5	**MAC		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	
Chloride	Cl ⁻	mg/L	250	AO		9.44	7.39	4.79	6.48	3.29	9.19	5.46	3.92	9.02	12.7	4	4.8	5.5	9.7	5.5	
Nitrate as N	NO ₃ -N	mg/L	10	†MAC		0.3	0.1	0.3	0.45	0.6	0.92	0.44	0.32	0.34	0.32	0.25	0.32	0.32	0.48	0.52	
Nitrite as N	NO ₂ -N	mg/L	1	†MAC		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	
Bromide	Br ⁻	mg/L	-			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.4	<0.4	<0.4	<0.4	<0.4	
Sulphate	SO ₄ ²⁻	mg/L	500	AO		9.03	9.57	8.17	10.2	7.22	11.4	6.56	7.84	5.2	7.2	4	6	5	6	6	
Calcium	Ca	mg/L	-			4.07	4.32	4.22	13.3	3.08	13.9	3.63	6.84	3.67	7.14	5.89	4.57	3.39	6.91	3.49	
Magnesium	Mg	mg/L	-			1.68	1.38	1.13	2.33	0.9	2.89	1.41	1.82	1.51	2.23	1.68	1.37	1.04	2.05	1.14	
Sodium	Na	mg/L	200	*AO		8.06	10.2	6.9	9.19	7.92	15.2	6.69	8.75	7.34	10.3	6.3	7.7	5.9	9.2	6.8	
Potassium	K	mg/L	-			0.45	0.35	0.38	1.73	0.35	1.17	0.42	0.59	0.33	0.55	0.3	0.4	0.3	0.5	0.4	
Ammonia as N	NH ₃ -N	mg/L	-			<0.02	<0.02	0.07	<0.02	0.04	<0.02	<0.02	<0.02	0.03	0.02	0.05	0.26	0.05	0.19	0.08	
Phosphate as P	PO ₄ ³⁻	mg/L	-			<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.061	0.066	0.027	0.144	0.053	
Total Phosphorus	P	mg/L	-			<0.02	0.03	0.04	0.26	0.23	0.16	0.03	0.09	0.02	<0.02	0.1	0.15	0.24	0.23	0.17	
Reactive Silica	Si	mg/L	-			10.9	13.5	11.7	11.7	10.1	12.1	9.33	12.6	10.6	11.1	6.48	8.43	9.5	10.4	11	
Dissolved Organic Carbon	DOC	mg/L	5	AO		3.6	5.8	4.8	12.4	7.4	9	6	7.2	4	6.5	7.3	4	7	5.7	6	
Colour		Colour Units	5	AO		<5	<5	9	8	12	29	12	9	5	<5	6	19	3	10	6	
Turbidity		NTU	5	AO		72.4	<0.5	60.5	1380	451	184	102	51.7	39.6	54.4	102	95.5	141	322	246	
Aluminum	Al	mg/L	0.1	OG		0.114	0.121	0.148	0.073	0.175	0.664	0.23	0.136	0.097	0.143	0.16	0.13	0.12	0.16	0.11	
Arsenic	As	mg/L	0.025	IMAC		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0002	0.0002	0.0001	0.0003	0.0001	
Barium	Ba	mg/L	1	MAC		0.013	0.017	0.011	0.028	0.007	0.032	0.013	0.02	0.015	0.023	0.014	0.013	0.008	0.019	0.013	
Boron	B	mg/L	5	IMAC		0.02	0.018	0.011	0.019	0.013	0.039	0.04	0.032	0.02	0.051	0.023	0.029	0.012	0.031	0.019	
Cadmium	Cd	mg/L	0.005	MAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000018	0.000019	0.000018	0.000022	0.000017	
Chromium	Cr	mg/L	0.05	MAC		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.001	<0.001	<0.001	0.001	<0.001	
Copper	Cu	mg/L	1	AO		0.002	0.003	0.003	0.006	0.004	0.01	0.004	0.004	0.004	0.005	0.0038	0.0052	0.0039	0.0055	0.0029	
Iron	Fe	mg/L	0.3	AO		0.02	<0.01	0.03	<0.01	<0.01	0.26	<0.01	<0.01	<0.01	<0.01	0.023	0.032	0.036	0.169	0.027	
Lead	Pb	mg/L	0.01	MAC		<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	0.00005	0.00008	0.00006	0.00014	<0.00002	
Manganese	Mn	mg/L	0.05	AO		0.009	0.02	0.012	0.053	0.005	0.038	0.006	0.013	0.006	0.097	0.017	0.009	0.013	0.052	0.008	
Mercury	Hg	mg/L	0.001	MAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	
Molybdenum	Mo	mg/L	-			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0009	
Nickel	Ni	mg/L	-			<0.003	<0.003	<0.003	0.003	<0.003	0.004	<0.003	<0.003	<0.003	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	
Selenium	Se	mg/L	0.01	MAC		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Silver	Ag	mg/L	-			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Strontium	Sr	mg/L	-			0.034	0.032	0.026	0.076	0.021	0.093	0.025	0.048	0.029	0.043	0.042	0.032	0.022	0.049	0.028	
Thallium	Tl	mg/L	-			<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Tin	Sn	mg/L	-			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Titanium	Ti	mg/L	-			<0.002	<0.002	0.002	<0.002	0.003	0.009	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Uranium	U	mg/L	0.02	IMAC		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00006	0.00009	<0.00005	0.00006	<0.00005	
Vanadium	V	mg/L	-			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	0.0003	0.0006	0.0004	0.0006	0.0005	
Zinc	Zn	mg/L	5	AO		<0.005	<0.005	<0.005	0.011	0.005	0.01	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Total Dissolved Solids	TDS	mg/L	500	AO		80	76	66	184	120	148	78	54	54	92	33	36	28	54	36	
Total Hardness (as CaCO3)		mg/L	500	AO		17	16.5	15.2	42.8	11.4	46.6	14.9	24.6	15.4	27	22	17	13	26	13	
% Difference/Ion Balance		%	-			0.5	1.7	5.2	3.25	3.4	2.98	5.02	4.82	0.776	0.61	10.9	4.8	0.582	5.93	11.7	
Biochemical Oxygen Demand	BOD	mg/L	-			<2	<5	<5	<5	<5	<5	<5	<5	<5	6	<3	<3	<3	<3	<3	
Total Kjeldahl Nitrogen	TKN	mg/L	-			0.32	0.18	0.19	0.3	1.2	0.3	0.32	0.27	0.14	<0.10	0.4	0.4	0.6	0.6	0.5	
Chemical Oxygen Demand	COD	mg/L	-			9	12	12	15	<5	11	11	<5	<5	10	22	26	23	<5	26	
Phenols																					

Results of General Ground Water Chemistry

		Ontario Drinking Water Quality Standards			MW-106	MW-106	MW-106	MW-106	MW-106	MW-106	MW-106
					Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26	Sampled on: 2023-05-02	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-10-29
					Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
					Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon
Parameter	Symbol	Units	Objective	Type							
Saturation pH		N/A	-		8.94	9.39	8.37	9.05	8.37	8.92	8.4
pH		N/A	6.5 - 8.5	OG	6.17	6.23	6.45	6.39	6.39	6.51	6.78
Langlier Index		N/A	-		-2.77	-3.16	-1.92	-2.66	-1.98	-2.41	-1.62
Alkalinity (as CaCO3)		mg/L	500	OG	30	19	54	26	67	35	62
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-		30	19	54	26	67	35	62
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-		< 5	< 5	< 5	< 5	<5	<5	<5
Hydroxide		mg/L	-		< 5	< 5	< 5	< 5	<5	<5	<5
Electrical Conductivity		uS/cm	-		116	71	216	113	178	132	176
Fluoride	F ⁻	mg/L	1.5	**MAC	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
Chloride	Cl ⁻	mg/L	250	AO	8.9	5	22.1	12.6	10.8	12.3	11.8
Nitrate as N	NO ₃ -N	mg/L	10	†MAC	0.51	0.23	0.54	0.38	0.39	0.16	0.81
Nitrite as N	NO ₂ -N	mg/L	1	†MAC	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	0.07
Bromide	Br ⁻	mg/L	-		< 0.4	< 0.4	< 0.4	< 0.4	<0.4	<0.4	<0.4
Sulphate	SO ₄ ⁻²	mg/L	500	AO	6	5	7	6	6	8	8
Calcium	Ca	mg/L	-		8.22	4.47	18.4	7.49	14.8	7.54	14.8
Magnesium	Mg	mg/L	-		2.35	1.33	4.42	2.01	3.35	2.19	3.36
Sodium	Na	mg/L	200	*AO	9.6	6.8	17.7	8.2	15.2	9.6	16.5
Potassium	K	mg/L	-		0.6	0.3	1.2	0.6	1.2	0.7	1.4
Ammonia as N	NH ₃ -N	mg/L	-		0.07	0.13	0.12	0.41	0.4	0.16	0.28
Phosphate as P	PO ₄ ⁻³	mg/L	-		0.054	0.163	0.07	0.178	0.324	0.081	0.166
Total Phosphorus	P	mg/L	-		0.19	0.12	0.4	0.34	0.46	0.2	0.7
Reactive Silica	Si	mg/L	-		10.4	9.29	12.1	8.27	8.8	7.18	9.7
Dissolved Organic Carbon	DOC	mg/L	5	AO	7.6	5.9	7.6	6.2	11	5.7	7.2
Colour		Colour Units	5	AO	24	5	17	6	19	8	240
Turbidity		NTU	5	AO	191	167	509	337	806	470	3730
Aluminum	Al	mg/L	0.1	OG	0.13	0.13	0.27	0.1	0.09	0.12	0.09
Arsenic	As	mg/L	0.025	IMAC	0.0002	0.0001	0.0002	0.0001	0.0002	0.0001	0.0002
Barium	Ba	mg/L	1	MAC	0.025	0.016	0.053	0.02	0.032	0.018	0.03
Boron	B	mg/L	5	IMAC	0.034	0.011	0.044	0.021	0.032	0.033	0.038
Cadmium	Cd	mg/L	0.005	MAC	0.000021	< 0.000015	0.000055	0.000021	0.000037	0.000019	0.000033
Chromium	Cr	mg/L	0.05	MAC	< 0.001	0.001	< 0.001	0.003	<0.001	<0.001	<0.001
Copper	Cu	mg/L	1	AO	0.0059	0.0052	0.0147	0.0031	0.0113	0.0051	0.0072
Iron	Fe	mg/L	0.3	AO	0.053	0.049	0.303	0.107	0.05	0.041	0.069
Lead	Pb	mg/L	0.01	MAC	0.00014	0.00003	0.00134	0.00003	0.00032	0.00006	0.00012
Manganese	Mn	mg/L	0.05	AO	0.023	0.005	0.056	0.009	0.092	0.005	0.052
Mercury	Hg	mg/L	0.001	MAC	< 0.00002	< 0.00002	< 0.00002	< 0.00002	<0.00002	<0.00002	<0.00002
Molybdenum	Mo	mg/L	-		0.0001	0.0002	0.0002	< 0.0001	0.0003	0.0002	0.0004
Nickel	Ni	mg/L	-		< 0.01	< 0.01	< 0.01	0.01	0.0036	0.0014	0.003
Selenium	Se	mg/L	0.01	MAC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
Silver	Ag	mg/L	-		< 0.0001	< 0.0001	< 0.0001	< 0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-		0.058	0.032	0.12	0.052	0.093	0.055	0.092
Thallium	Tl	mg/L	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	<0.00005	<0.00005	<0.00005
Tin	Sn	mg/L	-		< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05
Titanium	Ti	mg/L	-		< 0.005	< 0.005	0.005	< 0.005	<0.005	<0.005	<0.005
Uranium	U	mg/L	0.02	IMAC	0.00011	0.00006	0.00054	0.00005	0.00021	<0.00005	0.00018
Vanadium	V	mg/L	-		0.0005	0.0004	0.0007	0.0004	0.0004	0.0004	0.0004
Zinc	Zn	mg/L	5	AO	< 0.005	< 0.005	0.007	< 0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	500	AO	54	35	104	53	94	62	97
Total Hardness (as CaCO3)		mg/L	500	AO	30	17	64	27	50.8	27.8	50.8
% Difference/Ion Balance		%	-		1.11	0.519	5.25	5.45	2.64	9.98	0.635
Biochemical Oxygen Demand	BOD	mg/L	-		< 3	< 3	< 3	< 3	<3	<3	<3
Total Kjeldahl Nitrogen	TKN	mg/L	-		0.6	0.4	0.7	0.6	0.9	0.7	1.6
Chemical Oxygen Demand	COD	mg/L	-		12	46	86	< 5	50	26	512
Phenols		mg/L	-		< 0.002	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001
pH (Field)					6.55	6.95	6.03	6.65	6.65	7.13	6.94
Temperature (Field)		°C			9.2	6	9.2	5.6	5.6	6.5	8
Conductivity (Field)		µS/cm			180	64	168	118	118	600	158

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets
 **When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.
 † Where nitrate and nitrite are present, their total should not exceed 10
 Bold and highlighted indicates ODWQS exceedance

MAC - Maximum Acceptable Concentration

IMAC - Interim Maximum Acceptable Concentration

AO - Aesthetic Objective

OG - Operational Guideline

ND - Not Detected

Results of General Ground Water Chemistry

Parameter	Symbol	Units	Ontario Drinking Water Quality Standards		MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S	MW-107S		
			Objective	Type	Sampled on: 2014-05-06	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-10-25	Sampled on: 2019-04-30	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-10-22
			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Saturation pH		N/A	-		6.01	6.05	5.9							5.59	5.72	5.82	5.79	
pH		N/A	6.5 - 8.5	OG	7.75	7.54	8.14							7.83	7.97	7.22	7.58	
Langlier Index		N/A	-		1.74	1.49	2.24							2.24	2.25	1.4	1.79	
Alkalinity (as CaCO3)		mg/L	500	OG	1010	982	1090							2100	1720	1850	1940	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-		1010	982	1090							2100	1720	1850	1940	
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-		<5	<5	<5							<5	<5	<5	<5	
Hydroxide		mg/L	-		<5	<5	<5							<5	<5	<5	<5	
Electrical Conductivity		uS/cm	-		2280	2130	2470							4560	5030	4840	4650	
Fluoride	F ⁻	mg/L	1.5	**MAC	<0.5	<0.5	<0.5							<2.5	<2.5	<1	<3	
Chloride	Cl ⁻	mg/L	250	AO	107	88.3	200							447	371	379	333	
Nitrate as N	NO ₃ -N	mg/L	10	†MAC	<0.5	<0.5	<0.5							<2.5	<2.5	0.61	5.75	
Nitrite as N	NO ₂ -N	mg/L	1	†MAC	<0.5	<0.5	<0.5							<2.5	<2.5	<0.5	<1	
Bromide	Br ⁻	mg/L	-		<0.5	<0.5	1.2							<2.5	<2.5	<4	<10	
Sulphate	SO ₄ ⁻²	mg/L	500	AO	2.77	13.3	2							36.4	11	16	<30	
Calcium	Ca	mg/L	-		267	246	324							307	289	271	282	
Magnesium	Mg	mg/L	-		24.7	24.9	26.9							51.5	40.6	41.2	46.2	
Sodium	Na	mg/L	200	*AO	86.1	111	167							449	388	369	384	
Potassium	K	mg/L	-		44	52	64.3							210	181	199	209	
Ammonia as N	NH ₃ -N	mg/L	-		37.5	39.3	55.2							152	164	212	211	
Phosphate as P	PO ₄ ⁻³	mg/L	-		<1.0	<1.0	<1.0							<5.0	<5.0	3.24	2.88	
Total Phosphorus	P	mg/L	-		0.13	0.18	0.1							0.52	1.89	4.13	17.3	
Reactive Silica	Si	mg/L	-		16.6	20.2	22.6							24.3	26.3	23.5	24.2	
Dissolved Organic Carbon	DOC	mg/L	5	AO	82.3	51.7	81							243	228	137	147	
Colour		Colour Units	5	AO	36	43	84							498	362	282	400	
Turbidity		NTU	5	AO	416	557	465							1.9	231	172	199	
Aluminum	Al	mg/L	0.1	OG	0.056	0.054	0.046							0.096	0.098	0.14	0.11	
Arsenic	As	mg/L	0.025	IMAC	<0.003	<0.003	0.004							0.038	0.017	0.009	0.0093	
Barium	Ba	mg/L	1	MAC	0.208	0.249	0.252							0.362	0.514	0.394	0.448	
Boron	B	mg/L	5	IMAC	1.47	1.48	3.46							7.47	7.58	8.28	8.48	
Cadmium	Cd	mg/L	0.005	MAC	<0.0001	<0.0001	<0.0001							<0.0001	<0.0001	<0.000015	<0.000059	
Chromium	Cr	mg/L	0.05	MAC	0.007	0.016	0.012							0.038	0.027	0.023	0.021	
Copper	Cu	mg/L	1	AO	<0.002	<0.002	<0.002							<0.002	<0.002	0.0009	<0.0003	
Iron	Fe	mg/L	0.3	AO	38.7	33.1	23.1							15.7	18.8	1.47	5	
Lead	Pb	mg/L	0.01	MAC	<0.001	<0.002	<0.002							<0.001	<0.001	0.00009	<0.0002	
Manganese	Mn	mg/L	0.05	AO	5.03	4.99	3.32							2.49	2.06	1.35	1.7	
Mercury	Hg	mg/L	0.001	MAC	<0.0001	<0.0001	<0.0001							<0.0001	<0.0001	<0.00002	0.00006	
Molybdenum	Mo	mg/L	-		<0.002	<0.002	<0.002							<0.002	<0.002	0.0004	0.0005	
Nickel	Ni	mg/L	-		<0.003	<0.003	0.003							0.01	<0.003	<0.01	<0.01	
Selenium	Se	mg/L	0.01	MAC	<0.004	<0.004	<0.004							0.009	0.005	0.008	0.006	
Silver	Ag	mg/L	-		<0.0001	<0.0001	<0.0001							<0.0001	<0.0001	0.0001	<0.0002	
Strontium	Sr	mg/L	-		1.28	1.04	1.38							1.5	1.17	1.23	1.32	
Thallium	Tl	mg/L	-		<0.0003	<0.0003	<0.0003							<0.0003	<0.0003	<0.00005	<0.00005	
Tin	Sn	mg/L	-		<0.002	<0.002	<0.002							<0.002	<0.002	<0.05	<0.05	
Titanium	Ti	mg/L	-		0.004	0.006	0.004							0.022	0.02	0.014	0.021	
Uranium	U	mg/L	0.02	IMAC	<0.002	<0.002	<0.002							<0.002	<0.002	0.00015	0.00011	
Vanadium	V	mg/L	-		0.003	0.005	0.003							0.02	0.007	0.0076	0.0078	
Zinc	Zn	mg/L	5	AO	<0.005	<0.005	0.007							0.009	0.017	0.017	0.015	
Total Dissolved Solids	TDS	mg/L	500	AO	1320	1150	1410							2670	2450	2663	2704	
Total Hardness (as CaCO3)		mg/L	500	AO	768	717	920							979	889	847	895	
% Difference/Ion Balance		%	-		0.8	2	6.4							0.0414	6.14	4.95	6.1	
Biochemical Oxygen Demand	BOD	mg/L	-		104	26	23							144	92	8	70	
Total Kjeldahl Nitrogen	TKN	mg/L	-		36.2	41.6	59							216	268	247	249	
Chemical Oxygen Demand	COD	mg/L	-		254	131	190							470	517	737	620	
Phenols		mg/L	-		0.063	0.014	0.009							0.021	<0.001	0.008	0.004	
pH (Field)					7.02	6.61	7.06							6.45	6.95	6.62	6.94	
Temperature (Field)		°C			6.8	10.7	12.7							18.5	16.5	18.7	12.6	
Conductivity (Field)		µS/cm			2955	2200	2500							4700	>4000	3600	3621	

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Results of General Ground Water Chemistry

Ontario Drinking Water Quality Standards					MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	
					Sampled on: 2007-01-05	Sampled on: 2007-09-19	Sampled on: 2007-12-19	Sampled on: 2008-05-22	Sampled on: 2008-12-04	Sampled on: 2010-06-29	Sampled on: 2010-10-13	Sampled on: 2011-05-03	Sampled on: 2011-10-05	Sampled on: 2012-04-11	Sampled on: 2012-10-26	Sampled on: 2013-04-25	Sampled on: 2013-11-01	Sampled on: 2014-05-06	Sampled on: 2014-10-20
					Sampled by: Terraprobe	Sampled by: Terraprobe	Sampled by: Terraprobe	Sampled by: Terraprobe	Sampled by: Terraprobe	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
Parameter	Symbol	Units	Objective	Type	Analyzed by: NA	Analyzed by: NA	Analyzed by: NA	Analyzed by: NA	Analyzed by: NA	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	
Saturation pH		N/A	-							6.6	6.62	6.51	6.6	6.56	6.69	6.57	6.63	6.54	6.65
pH		N/A	6.5 - 8.5	OG	7.9	7.9	8	8	7.9	8.14	8.33	7.97	8.27	8.4	8.14	8.34	8.4	8.39	8.15
Langlier Index		N/A	-							1.54	1.71	1.46	1.67	1.84	1.45	1.77	1.77	1.85	1.5
Alkalinity (as CaCO3)		mg/L	500	OG	579	528	500	577	519	530	521	570	528	551	507	532	505	538	510
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-							530	511	570	528	522	507	521	487	519	510
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-							<5	10	<5	<5	29	<5	11	19	20	<5
Hydroxide		mg/L	-							<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Electrical Conductivity		uS/cm	-		1780	1560	1670	2010	1470	1300	1270	1550	1180	1630	1280	1800	1520	2070	1560
Fluoride	F ⁻	mg/L	1.5	**MAC						<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.25	<0.5	<0.25
Chloride	Cl ⁻	mg/L	250	AO	200	200	210	190	120	100	146	152	130	168	149	198	141	241	146
Nitrate as N	NO ₃ -N	mg/L	10	†MAC	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.5	<0.25	<0.5	<0.25
Nitrite as N	NO ₂ -N	mg/L	1	†MAC						<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.25	<0.5	<0.25
Bromide	Br ⁻	mg/L	-							0.62	<0.05	0.88	0.69	<0.05	0.86	1	0.55	<0.5	<0.25
Sulphate	SO ₄ ²⁻	mg/L	500	AO	91	20	31	217	94	47.6	8.59	61.2	53.3	101	29.3	111	38.1	159	65.4
Calcium	Ca	mg/L	-		998	77	83	130	83	82.5	78.5	90.7	81.2	82	56.3	80.5	74.7	92.4	79
Magnesium	Mg	mg/L	-		50	47	50	69	43	41	38.8	49.4	41.8	46.8	41.8	48	41.3	47.4	36.4
Sodium	Na	mg/L	200	*AO	180	170	190	190	130	110	114	138	116	139	130	143	129	153	138
Potassium	K	mg/L	-		71	62		99		50.2	48.8	72.2	61.6	81.8	69.1	91.9	70.1	93	71.6
Ammonia as N	NH ₃ -N	mg/L	-		5	6	6.4	6.3	8.7	6.54	7.41	6.54	6.48	7.19	6.47	5.98	6.98	10.4	8.5
Phosphate as P	PO ₄ ³⁻	mg/L	-							<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<0.50	<1.0	<0.50
Total Phosphorus	P	mg/L	-		0.04	1.2		0.5	1.9	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.03	<0.02
Reactive Silica	Si	mg/L	-							5.31	6.11	6.82	6.89	6.48	6.14	3.42	10.6	6.03	5.93
Dissolved Organic Carbon	DOC	mg/L	5	AO	15.4	16.1	19.4	14.6	14.9	11.8	13.4	13.3	14.1	14.8	11.4	15.7	15.8	16.5	18.7
Colour		Colour Units	5	AO						9	5	6	10	12	11	7	13	12	<5
Turbidity		NTU	5	AO						6	3.8	18.7	27.1	90.1	27.5	51.4	73.7	157	113
Aluminum	Al	mg/L	0.1	OG						0.163	0.142	0.21	0.045	0.066	0.074	0.072	0.206	0.1	0.399
Arsenic	As	mg/L	0.025	IMAC	<0.001	<0.001		<0.001	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Barium	Ba	mg/L	1	MAC	0.18	0.2	0.35	0.22	0.18	0.208	0.228	0.3	0.221	0.248	0.198	0.256	0.218	0.231	0.205
Boron	B	mg/L	5	IMAC	1.1	1.2	1.21	1.6	1.3	1.31	1.23	1.46	1.21	1.05	1.11	1.34	1.17	1.33	1.01
Cadmium	Cd	mg/L	0.005	MAC	<0.0001	<0.0001		<0.0001	<0.0001	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	Cr	mg/L	0.05	MAC	<0.005	<0.005		<0.005	<0.005	<0.003	0.004	0.005	<0.003	<0.003	0.014	<0.003	<0.003	<0.003	0.003
Copper	Cu	mg/L	1	AO	0.008	<0.001		0.002	<0.001	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Iron	Fe	mg/L	0.3	AO	21	<0.05	13	1.1	8.5	8.75	8.78	11.5	6.6	8.12	5.16	7.86	6.59	9.52	8.26
Lead	Pb	mg/L	0.01	MAC	0.0007	<0.0005		<0.0005	<0.0005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
Manganese	Mn	mg/L	0.05	AO	0.51	0.29		0.52	0.24	0.241	0.179	0.284	0.155	0.257	0.163	0.239	0.198	0.315	0.282
Mercury	Hg	mg/L	0.001	MAC														<0.0001	<0.0001
Molybdenum	Mo	mg/L	-							0.004	0.002	0.003	0.002	0.003	0.002	0.003	0.003	0.003	0.003
Nickel	Ni	mg/L	-							<0.003	<0.003	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Selenium	Se	mg/L	0.01	MAC						<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	Ag	mg/L	-							<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Strontium	Sr	mg/L	-							0.621	0.585	0.697	0.582	0.674	0.489	0.621	0.589	0.782	0.567
Thallium	Tl	mg/L	-							<0.006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Tin	Sn	mg/L	-							<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Titanium	Ti	mg/L	-							<0.002	<0.002	<0.002	<0.002	0.003	<0.002	0.003	<0.002	<0.002	0.005
Uranium	U	mg/L	0.02	IMAC						<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Vanadium	V	mg/L	-							<0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	0.003
Zinc	Zn	mg/L	5	AO	0.02	<0.005		<0.005	<0.005	<0.005	0.009	0.012	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005
Total Dissolved Solids	TDS	mg/L	500	AO	1060	831	919	1210	960	820	732	856	818	878	972	784	1070	838	838
Total Hardness (as CaCO3)		mg/L	500	AO						375	356	430	375	397	313	399	357	426	347
% Difference/Ion Balance		%	-							1.4	3.1	0.2	2.6	3.7	2.9	4.5	0.5	6.6	1
Biochemical Oxygen Demand	BOD	mg/L	-		2	8				16	<2	<2	7	10	7	5	2	7	<5
Total Kjeldahl Nitrogen	TKN	mg/L	-		6.8	8		12	8	6.47	6.93	7.9	7.13	8.69	7.77	7.67	8.21	11.7	9.95
Chemical Oxygen Demand	COD	mg/L	-		41	130	350	87	140	29	42	38	47	40	37	44	44	50	43
Phenols		mg/L	-		<0.001	0.006		0.007		0.05	0.01	0.013	0.002	0.007	0.005	<0.001	0.003	<0.001	0.002
pH (Field)										7.07	7.38	8.33	7.57	8.5	8.02	7.07	8.07	7.45	7.53
Temperature (Field)		°C								14.3	12.5	10.6	12.4	8.5	11.6	6.4	11.2	7.5	7.9
Conductivity (Field)		µS/cm								1234	1054	1800	1580	1900	1590	1600	1090	1892	990

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets
 **When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.
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 Bold and highlighted indicates ODWQS exceedance

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Parameter	Symbol	Units	Objective	Type	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D
					Sampled on: 2015-04-28	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-10-25	Sampled on: 2019-04-30	
					Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	
					Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: Caduceon	
Saturation pH		N/A	-		6.61	6.74	6.7	6.76	6.68		6.72	6.89	6.97	
pH		N/A	6.5 - 8.5	OG	8.37	8.14	8	8.21	8.16		8.08	7.83	7.85	
Langlier Index		N/A	-		1.76	1.4	1.3	1.45	1.48		1.36	0.94	0.881	
Alkalinity (as CaCO3)		mg/L	500	OG	534	412	505	430	478		483	360	411	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-		520	412	505	430	478		483	360	411	
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-		14	<5	<5	<5	<5		<5	<5	<5	
Hydroxide		mg/L	-		<5	<5	<5	<5	<5		<5	<5	<5	
Electrical Conductivity		uS/cm	-		1510	1580	1760	1450	1650		1320	1420	1900	
Fluoride	F ⁻	mg/L	1.5	**MAC	<0.25	<0.25	<0.25	<0.25	<0.25		<0.25	<0.25	<0.1	
Chloride	Cl ⁻	mg/L	250	AO	139	247	230	226	199		172	171	321	
Nitrate as N	NO ₃ ⁻ N	mg/L	10	†MAC	<0.25	<0.25	<0.25	<0.25	<0.25		<0.25	<0.25	<0.05	
Nitrite as N	NO ₂ ⁻ N	mg/L	1	†MAC	<0.25	<0.25	<0.25	<0.25	<0.25		<0.25	<0.25	<0.05	
Bromide	Br ⁻	mg/L	-		<0.25	<0.25	0.43	<0.25	0.77		<0.25	<0.25	<0.4	
Sulphate	SO ₄ ⁻²	mg/L	500	AO	70.2	13	41.3	8.81	37.3		22.8	10.7	61	
Calcium	Ca	mg/L	-		82.3	76.5	65	76	80		71.3	65.4	84.9	
Magnesium	Mg	mg/L	-		35.8	36.3	35.7	29.7	33.6		31.4	27.2	34.5	
Sodium	Na	mg/L	200	*AO	131	131	153	134	135		122	119	173	
Potassium	K	mg/L	-		76.7	57.4	73.4	47.8	63.7		57.6	51.2	78.8	
Ammonia as N	NH ₃ ⁻ N	mg/L	-		11	9.3	13	8.6	10.9		10.8	10.6	15	
Phosphate as P	PO ₄ ⁻³	mg/L	-		<0.50	<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	0.08	
Total Phosphorus	P	mg/L	-		0.04	0.6	0.03	2.76	0.02		0.02	<0.02	0.08	
Reactive Silica	Si	mg/L	-		5.54	5.48	5.07	5.16	6.13		5.57	4.99	5.33	
Dissolved Organic Carbon	DOC	mg/L	5	AO	17.7	17.7	16.4	23.7	15.2		13.6	13.7	8.6	
Colour		Colour Units	5	AO	15	9	11	9	14		10	<5	9	
Turbidity		NTU	5	AO	448	294	235	521	575		965	821	215	
Aluminum	Al	mg/L	0.1	OG	0.04	0.37	0.058	0.026	0.028		0.029	0.072	0.07	
Arsenic	As	mg/L	0.025	IMAC	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003	0.0005	
Barium	Ba	mg/L	1	MAC	0.17	0.298	0.287	0.315	0.406		0.42	0.453	0.65	
Boron	B	mg/L	5	IMAC	1.07	1.02	1.1	0.926	1.15	Not Sampled	1.2	1.14	1.18	
Cadmium	Cd	mg/L	0.005	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.000015	
Chromium	Cr	mg/L	0.05	MAC	0.004	0.008	<0.003	<0.003	<0.003		0.004	<0.003	<0.001	
Copper	Cu	mg/L	1	AO	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	0.002	0.0003	
Iron	Fe	mg/L	0.3	AO	6.85	8.95	7.34	2.41	6.33		5.12	3.72	3.84	
Lead	Pb	mg/L	0.01	MAC	<0.002	<0.002	<0.002	<0.002	<0.002		<0.001	<0.001	0.00007	
Manganese	Mn	mg/L	0.05	AO	0.224	0.248	0.244	0.164	0.194		0.186	0.15	0.155	
Mercury	Hg	mg/L	0.001	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.00002	
Molybdenum	Mo	mg/L	-		0.002	<0.002	0.003	<0.002	0.003		0.002	0.003	0.0029	
Nickel	Ni	mg/L	-		<0.003	0.004	<0.003	<0.003	<0.003		<0.003	0.003	<0.01	
Selenium	Se	mg/L	0.01	MAC	<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.004	0.002	
Silver	Ag	mg/L	-		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	
Strontium	Sr	mg/L	-		0.492	0.709	0.619	0.62	0.662		0.614	0.51	0.68	
Thallium	Tl	mg/L	-		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.0003	<0.00005	
Tin	Sn	mg/L	-		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.05	
Titanium	Ti	mg/L	-		<0.002	<0.002	0.002	<0.002	<0.002		<0.002	<0.002	<0.005	
Uranium	U	mg/L	0.02	IMAC	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.00005	
Vanadium	V	mg/L	-		<0.002	<0.002	<0.002	<0.002	<0.002		0.004	<0.002	0.0001	
Zinc	Zn	mg/L	5	AO	<0.005	0.008	0.013	<0.005	<0.005		<0.005	0.007	<0.005	
Total Dissolved Solids	TDS	mg/L	500	AO	776	786	792	736	770		696	676	1023	
Total Hardness (as CaCO3)		mg/L	500	AO	353	341	309	312	338		307	275	354	
% Difference/Ion Balance		%	-		1.8	2.82	5.5	4.34	2.96		4.53	1.98	1.8	
Biochemical Oxygen Demand	BOD	mg/L	-		<5	<5	8	7	9		27	18	16	
Total Kjeldahl Nitrogen	TKN	mg/L	-		11.1	9.8	12.9	9.35	12.1		11.5	11	16.1	
Chemical Oxygen Demand	COD	mg/L	-		42	51	41	87	39		26	78	13	
Phenols		mg/L	-		0.004	0.002	0.001	0.002	0.002		0.004	0.006	0.002	
pH (Field)					7.92	7.52	7.86	7.07	7.52		7.66	7.1	7.31	
Temperature (Field)		°C			12.8	9.9	11.5	12.2	10		16.5	7.4	13.8	
Conductivity (Field)		µS/cm			1400	1406	1497	1125	1215		1200	1100	1800	

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets
 **When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.
 † Where nitrate and nitrite are present, their total should not exceed 10
 Bold and highlighted indicates ODWQS exceedance

MAC - Maximum Acceptable Concentration
 IMAC - Interim Maximum Acceptable Concentration
 AO - Aesthetic Objective
 OG - Operational Guideline
 ND - Not Detected

Results of General Ground Water Chemistry

		Ontario Drinking Water Quality Standards			MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D	MW-107D
					Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-10-22	Sampled on: 2021-05-04	Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-10-26
					Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
					Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon
Parameter	Symbol	Units	Objective	Type							
Saturation pH		N/A	-		6.97	7.01	6.45	6.82	6.66	6.79	
pH		N/A	6.5 - 8.5	OG	8.03	7.96	7.45	8.22	7.4	7	
Langlier Index		N/A	-		1.06	0.947	1	1.4	0.743	0.212	
Alkalinity (as CaCO3)		mg/L	500	OG	413	385	678	441	535	406	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-		413	385	678	441	535	406	
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-		< 5	< 5	< 5	< 5	< 5	< 5	
Hydroxide		mg/L	-		< 5	< 5	< 5	< 5	< 5	< 5	
Electrical Conductivity		uS/cm	-		1660	1750	1830	1500	1400	1010	
Fluoride	F ⁻	mg/L	1.5	**MAC	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Chloride	Cl ⁻	mg/L	250	AO	253	307	148	197	87.1	42.5	
Nitrate as N	NO ₃ -N	mg/L	10	†MAC	0.19	0.06	0.06	0.89	0.05	0.09	
Nitrite as N	NO ₂ -N	mg/L	1	†MAC	< 0.05	< 0.05	< 0.05	0.15	< 0.05	< 0.05	
Bromide	Br ⁻	mg/L	-		0.7	1	< 0.4	0.5	< 0.4	< 0.4	
Sulphate	SO ₄ ⁻²	mg/L	500	AO	6	10	15	11	46	29	
Calcium	Ca	mg/L	-		80.3	80.2	171	104	125	119	
Magnesium	Mg	mg/L	-		33	32	32.9	22.1	18.8	13.9	
Sodium	Na	mg/L	200	*AO	168	201	165	111	82.2	42.6	
Potassium	K	mg/L	-		66.2	76.7	79.8	53.3	47.4	28.2	
Ammonia as N	NH ₃ -N	mg/L	-		11.6	11.3	31	11.4	15.2	14.3	
Phosphate as P	PO ₄ ⁻³	mg/L	-		1.04	< 0.002	0.021	0.005	0.007	0.085	
Total Phosphorus	P	mg/L	-		1.17	1.24	3.1	3.86	22.7	92.7	
Reactive Silica	Si	mg/L	-		5.86	5.95	15.6	10.3	13	10.9	
Dissolved Organic Carbon	DOC	mg/L	5	AO	9.8	7.2	23.8	10.7	23.2	15.7	
Colour		Colour Units	5	AO	10	8	63	15	78	28	
Turbidity		NTU	5	AO	137	316	1710	1140	4620	25500	
Aluminum	Al	mg/L	0.1	OG	0.05	0.06	0.21	1.07	0.13	0.1	
Arsenic	As	mg/L	0.025	IMAC	0.0004	0.0004	0.0016	0.0006	0.0016	0.0012	
Barium	Ba	mg/L	1	MAC	0.66	0.667	0.547	0.572	0.163	0.121	
Boron	B	mg/L	5	IMAC	1.29	1.45	1.61	1.2	1.1	0.645	
Cadmium	Cd	mg/L	0.005	MAC	< 0.000015	< 0.000015	< 0.000029	0.000064	< 0.000015	< 0.000015	
Chromium	Cr	mg/L	0.05	MAC	< 0.001	< 0.001	0.005	0.001	0.003	0.003	
Copper	Cu	mg/L	1	AO	0.0003	0.0008	0.0017	0.0028	0.0014	0.0027	
Iron	Fe	mg/L	0.3	AO	2.87	3.66	5.03	8.97	9.79	19	
Lead	Pb	mg/L	0.01	MAC	< 0.00004	0.00009	0.00028	0.00477	0.00034	0.00024	
Manganese	Mn	mg/L	0.05	AO	0.143	0.186	6.05	1.12	3.29	2.96	
Mercury	Hg	mg/L	0.001	MAC	0.00005	< 0.00002	< 0.00002	0.00002	< 0.00002	< 0.00002	
Molybdenum	Mo	mg/L	-		0.0024	0.0023	0.0013	0.0012	0.0005	0.0002	
Nickel	Ni	mg/L	-		< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	
Selenium	Se	mg/L	0.01	MAC	0.002	0.002	0.002	< 0.002	0.001	0.001	
Silver	Ag	mg/L	-		< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001	< 0.0001	
Strontium	Sr	mg/L	-		0.673	0.682	0.969	0.634	0.634	0.542	
Thallium	Tl	mg/L	-		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	
Tin	Sn	mg/L	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Titanium	Ti	mg/L	-		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	
Uranium	U	mg/L	0.02	IMAC	< 0.00005	< 0.00005	0.00008	0.0001	0.0002	0.00016	
Vanadium	V	mg/L	-		< 0.0001	< 0.0001	0.0008	< 0.0007	0.001	0.0013	
Zinc	Zn	mg/L	5	AO	< 0.005	< 0.005	< 0.005	0.026	0.007	0.016	
Total Dissolved Solids	TDS	mg/L	500	AO	872	956	1025	788	760	560	
Total Hardness (as CaCO3)		mg/L	500	AO	336	332	563	351	390	355	
% Difference/Ion Balance		%	-		3.61	5.12	6.9	0.49	0.729	8.64	
Biochemical Oxygen Demand	BOD	mg/L	-		8	15	18	15	12	14	
Total Kjeldahl Nitrogen	TKN	mg/L	-		15.1	19.2	37.8	23.3	56.6	193	
Chemical Oxygen Demand	COD	mg/L	-		128	153	551	451	1010	6440	
Phenols		mg/L	-		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.001	
pH (Field)					7.41	6.25	6.62	6.81	6.39	6.81	
Temperature (Field)		°C			9.6	13	11.3	13.3	12.1	11.6	
Conductivity (Field)		µS/cm			1488	1509	1440	1100	1510	961	

Broken

* When the sodium concentration exceeds 20 mg/L, it should be considered in sodium restricted diets
 **When the fluoride concentration exceeds 1.5 mg/L, it should be reported to the local medical officer of health.
 † Where nitrate and nitrite are present, their total should not exceed 10
 Bold and highlighted indicates ODWQS exceedance

MAC - Maximum Acceptable Concentration
 IMAC - Interim Maximum Acceptable Concentration
 AO - Aesthetic Objective
 OG - Operational Guideline
 ND - Not Detected

Results of Surface Water Chemical Analyses

Parameter	Symbol	Units	Provincial Water Quality Objectives (1994)	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1		
				Sampled on: 2019-08-21	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-08-17	Sampled on: 2020-10-22	Sampled on: 2021-05-04	Sampled on: 2021-08-24	Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-08-22	Sampled on: 2022-10-20	Sampled on: 2023-05-02	Sampled on: 2023-08-16	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-08-14	
				Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
				Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon	Analyzed by: Caduceon
Saturation pH		N/A	-		10	9.9	8.96	9.72	9.71		9.67	9.76		9.38	10	9.3	9.56	9.71		
pH		N/A	6.5-8.5		6.55	6.46	6.37	6.82	6.91		6.41	6.73		6.4	6.52	6.12	6.69	6.51		
Langlier Index		N/A	-		-3.47	-3.44	-2.59	-2.9	-2.8		-3.26	-3.03		-2.98	-3.48	-3.18	-2.87	-3.2		
Alkalinity (as CaCO3)		mg/L	262		7	8	15	11	11		12	11		11	7	13	11	12		
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-		7	8	15	11	11		12	11		11	7	13	11	12		
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-		< 5	< 5	< 5	< 5	< 5		< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Hydroxide		mg/L	-		< 5	< 5	< 5	< 5	< 5		< 5	< 5		< 5	< 5	< 5	< 5	< 5		
Electrical Conductivity		uS/cm	-		31	27	56	31	30		30	30		61	23	52	43	27		
Fluoride	F ⁻	mg/L	-		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
Chloride	Cl ⁻	mg/L	-		1.4	1.5	2.2	0.6	2.2		0.9	0.8		1.8	0.7	0.9	1.8	< 0.5		
Nitrate as N	NO ₃ -N	mg/L	-		< 0.05	0.09	0.6	0.06	< 0.05		< 0.05	0.09		0.05	0.09	0.58	< 0.05	< 0.05		
Nitrite as N	NO ₂ -N	mg/L	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Bromide	Br ⁻	mg/L	-		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4		< 0.4	< 0.4		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4		
Sulphate	SO ₄ ²⁻	mg/L	-		3	2	2	< 1	2		< 1	1		8	2	4	4	1		
Calcium	Ca	mg/L	-		3.82	3.27	15.1	3.95	3.73		3.77	3.31		7.96	2.7	7.82	5.18	3.32		
Magnesium	Mg	mg/L	-		1.02	0.84	3	1.1	0.98		0.94	0.83		2.06	0.71	1.71	1.45	0.88		
Sodium	Na	mg/L	-		1.6	1.7	2.6	1.7	2		1.8	1.6		2.3	1.5	1.7	1.8	1.9		
Potassium	K	mg/L	-		0.4	0.2	0.9	0.3	0.1		0.2	0.1		1.3	0.2	0.6	0.5	0.2		
Ammonia as N	NH ₃ -N	mg/L	-		0.03	< 0.01	0.08	0.03	0.04		0.07	0.09		0.05	0.02	0.07	0.06	0.11		
Un-ionized Ammonia		mg/L	0.02		0.0001	< 0.0002	0.0007	0.0001	0.0002		0.0002	0.0003		0.00003	0.00001	0.00015	0.00005	0.00073		
Phosphate as P	PO ₄ ³⁻	mg/L	-		0.004	< 0.002	0.05	0.018	0.004		0.006	0.027		0.03	0.005	0.04	0.02	0.004		
Total Phosphorus	P	mg/L	0.03		0.05	0.02	0.18	0.03	0.022		0.05	0.04		0.09	0.02	0.19	0.1	0.04		
Reactive Silica	Si	mg/L	-		9.39	4.32	8.05	9.65	4.34		10	3.1		11.4	8.13	7.19	10.8	6.48		
Total Organic Carbon	TOC	mg/L	-		13.5	8.4	37	10.1	9.1		9.5	9.5		26.8	10.7	43	26.8	6.8		
Colour		Colour Units	-		88	67	423	85	60		62	54		240	47	261	212	52		
Turbidity		NTU	-		4.8	2.4	1930	2.7	2		1.9	1.5		4.1	4.6	8	4.3	2.6		
Aluminum	Al	mg/L	0.075		0.27	0.15	0.33	0.24	0.13		0.13	0.12		0.3	0.2	0.29	0.31	0.17		
Arsenic	As	mg/L	0.005		0.0002	0.0001	0.0006	0.0002	0.0002		0.0002	0.0001		0.0003	0.0001	0.0006	0.0002	0.0001		
Barium	Ba	mg/L	-		0.014	0.011	0.044	0.011	0.009		0.01	0.01		0.027	0.009	0.025	0.022	0.01		
Boron	B	mg/L	0.2		< 0.005	< 0.005	0.009	< 0.005	< 0.005		< 0.005	< 0.005		0.005	0.007	0.005	< 0.005	< 0.005		
Cadmium	Cd	mg/L	0.0002		0.000026	< 0.000015	0.000062	0.000018	< 0.000015		0.000015	0.000018		0.000053	< 0.000015	0.000048	0.000037	< 0.000015		
Chromium	Cr	mg/L	0.0089		0.001	0.001	0.002	0.001	0.001		0.001	< 0.001		0.003	0.003	0.002	< 0.001	< 0.001		
Copper	Cu	mg/L	0.005		0.0014	0.001	0.0029	0.0007	0.0008		0.0006	0.0009		0.0022	0.0011	0.0019	0.0013	0.0008		
Iron	Fe	mg/L	0.3		0.589	0.313	4.49	0.529	0.481		0.581	0.376		1.35	0.307	6.34	1.26	0.308		
Lead	Pb	mg/L	0.001		0.00033	0.00013	0.00063	0.00017	0.00013		0.00015	0.00012		0.00046	0.0002	0.00066	0.00038	0.00014		
Manganese	Mn	mg/L	-		0.041	0.018	0.309	0.034	0.022		0.034	0.031		0.127	0.013	0.571	0.156	0.02		
Mercury	Hg	mg/L	0.0002		0.00006	< 0.00002	< 0.00002	< 0.00002	< 0.00002		< 0.00002	< 0.00002		< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002		
Molybdenum	Mo	mg/L	0.04		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001		< 0.0001	< 0.0001		< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001		
Nickel	Ni	mg/L	0.025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01		< 0.01	< 0.01	0.0029	0.0012	0.0007		
Selenium	Se	mg/L	0.1		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
Silver	Ag	mg/L	0.0001		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001		0.0001	< 0.0001		< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001		
Strontium	Sr	mg/L	-		0.026	0.023	0.101	0.028	0.027		0.027	0.025		0.057	0.02	0.058	0.039	0.026		
Thallium	Tl	mg/L	0.0003		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005		< 0.00005	< 0.00005		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005		
Tin	Sn	mg/L	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		
Titanium	Ti	mg/L	-		0.017	0.007	0.026	0.009	0.006		0.008	< 0.005		0.019	0.013	0.019	0.016	0.008		
Uranium	U	mg/L	0.005		< 0.00005	< 0.00005	0.00019	< 0.00005	< 0.00005		< 0.00005	< 0.00005		< 0.00005	< 0.00005	0.00005	< 0.00005	< 0.00005		
Vanadium	V	mg/L	0.006		0.0009	0.0005	0.0024	0.0005	0.0004		0.0005	0.0005		0.0014	0.0007	0.0041	0.0011	0.0005		
Zinc	Zn	mg/L	0.03		0.008	0.008	0.013	< 0.005	0.008		0.014	0.008		0.011	0.011	0.019	0.005	0.007		
Total Dissolved Solids	TDS	mg/L	-		15	15	40	14	18		15	15		32	13	28	22	16		
Total Hardness (as CaCO3)		mg/L	-		14	12	30	14	12		12	12		28	9	26.6	18.9	11.9		
% Difference/Ion Balance		%	-		14.7	14.3	51.1	22.2	9.79		20	11.9		25.2	13.2	21.9	23.2	9.82		
Biochemical Oxygen Demand	BOD	mg/L	-		< 3	< 3	< 3	< 3	< 3		< 3	< 3		< 3	< 3	2.2	1.1	0.4		
Total Kjeldahl Nitrogen	TKN	mg/L	-		0.6	3.9	2.3	0.5	0.4		0.5	0.5		1.5	0.2	< 3	< 3	< 3		
Chemical Oxygen Demand	COD	mg/L	-		34	32	123	10	39		20	28		82	19	126	77	18		
Phenols		mg/L	0.001		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002		< 0.001	< 0.001		< 0.001	< 0.001	0.008	< 0.001	< 0.001		
Total Suspended Solids	TSS	mg/L	-		< 3	< 3	16	< 3	< 3		5	< 3		3	< 3	18	28	< 3		
Conductivity (field)		µS/cm	-		32	29	80	40	20		50	31		46	20	60	50	28		
Temperature (field)		°C	-		7.3	6.3	17.4	5.7	7.4		6.2	7.3		6.1	5.2	17	10.8	7.6		
pH (field)		-	-		7.43	7.57	7.45	7.46	6.5		7.39	7.4		6.7	6.56	6.83	6.6	7.64		
Dissolved Oxygen		mg/L	-		3.62	5.15	1.25	6.25	6.65		7.44	3.74		1.74	5.63	0.95	1.95	9.6		

Bold and highlighted indicates FWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter

Results of Surface Water Chemical Analyses

			SW-1
			Provincial Water Quality Objectives (1994)
			Sampled on: 2024-10-29
			Sampled by: Azimuth
			Analyzed by: Caduceon
Parameter	Symbol	Units	Objective
Saturation pH		N/A	-
pH		N/A	6.5-8.5
Langlier Index		N/A	-
Alkalinity (as CaCO3)		mg/L	262
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-
Hydroxide		mg/L	-
Electrical Conductivity		uS/cm	-
Fluoride	F ⁻	mg/L	-
Chloride	Cl ⁻	mg/L	-
Nitrate as N	NO ₃ -N	mg/L	-
Nitrite as N	NO ₂ -N	mg/L	-
Bromide	Br ⁻	mg/L	-
Sulphate	SO ₄ ⁻²	mg/L	-
Calcium	Ca	mg/L	-
Magnesium	Mg	mg/L	-
Sodium	Na	mg/L	-
Potassium	K	mg/L	-
Ammonia as N	NH ₃ -N	mg/L	-
Un-ionized Ammonia		mg/L	0.02
Phosphate as P	PO ₄ ⁻³	mg/L	-
Total Phosphorus	P	mg/L	0.03
Reactive Silica	Si	mg/L	-
Total Organic Carbon	TOC	mg/L	-
Colour		Colour Units	-
Turbidity		NTU	-
Aluminum	Al	mg/L	0.075
Arsenic	As	mg/L	0.005
Barium	Ba	mg/L	-
Boron	B	mg/L	0.2
Cadmium	Cd	mg/L	0.0002
Chromium	Cr	mg/L	0.0089
Copper	Cu	mg/L	0.005
Iron	Fe	mg/L	0.3
Lead	Pb	mg/L	0.001
Manganese	Mn	mg/L	-
Mercury	Hg	mg/L	0.0002
Molybdenum	Mo	mg/L	0.04
Nickel	Ni	mg/L	0.025
Selenium	Se	mg/L	0.1
Silver	Ag	mg/L	0.0001
Strontium	Sr	mg/L	-
Thallium	Tl	mg/L	0.0003
Tin	Sn	mg/L	-
Titanium	Ti	mg/L	-
Uranium	U	mg/L	0.005
Vanadium	V	mg/L	0.006
Zinc	Zn	mg/L	0.03
Total Dissolved Solids	TDS	mg/L	-
Total Hardness (as CaCO3)		mg/L	-
% Difference/Ion Balance		%	-
Biochemical Oxygen Demand	BOD	mg/L	-
Total Kjeldahl Nitrogen	TKN	mg/L	-
Chemical Oxygen Demand	COD	mg/L	-
Phenols		mg/L	0.001
Total Suspended Solids	TSS	mg/L	-
Conductivity (field)		µS/cm	-
Temperature (field)		°C	-
pH (field)			-
Dissolved Oxygen		mg/L	-

Dry

Bold and highlighted indicates PWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter

Results of Surface Water Chemical Analyses

Parameter	Symbol	Units	Provincial Water Quality Objectives (1994)	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2		
				Sampled on: 2014-05-06	Sampled on: 2014-08-11	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-08-04	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-08-23	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-08-09	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-08-15	Sampled on: 2018-10-25	Sampled on: 2019-04-30	
				Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
				Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT
Saturation pH		N/A	-	8.68		7.83	7.14			9.85		6.84	9.14	7.72	8.51	7.2		8.3	8.37	
pH		N/A	6.5-8.5	7.36		7.85	8.1		6.21		8.05	7.03	7.79	6.7	7.77			7.6	7.41	
Langlier Index		N/A	-	-1.32		0.02	0.96		-3.64		1.21	-2.11	0.07	-1.81	0.57			-0.7	-0.958	
Alkalinity (as CaCO3)		mg/L	262	30		91	187		6		354	20	121	45	209			52	47	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	30		91	187		6		354	20	121	45	209			52	47	
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	<5		<5	<5		<5		<5	<5	<5	<5	<5			<5	<5	
Hydroxide		mg/L	-	<5		<5	<5		<5		<5	<5	<5	<5	<5			<5	<5	
Electrical Conductivity		uS/cm	-	163		364	992		38		1270	81	367	131	719			197	201	
Fluoride	F ⁻	mg/L	-	<0.05		<0.05	<0.25		<0.05		<0.25	<0.05	<0.05	<0.05	<0.10			<0.05	<0.1	
Chloride	Cl ⁻	mg/L	-	11		23.6	74.8		2.31		161	4.69	33	9.8	68			12.4	14.8	
Nitrate as N	NO ₃ -N	mg/L	-	0.2		0.07	1.07		<0.05		<0.25	<0.05	0.29	<0.05	0.93			<0.05	0.11	
Nitrite as N	NO ₂ -N	mg/L	-	<0.05		<0.05	<0.25		<0.05		<0.25	<0.05	<0.05	<0.05	<0.10			<0.05	<0.05	
Bromide	Br ⁻	mg/L	-	<0.05		<0.05	<0.25		<0.05		<0.25	<0.05	<0.05	<0.05	<0.10			<0.05	<0.1	
Sulphate	SO ₄ ²⁻	mg/L	-	22.1		43.3	208		4.12		73.6	8.76	11.7	7.27	84.4			8.01	21	
Calcium	Ca	mg/L	-	11.8		32.7	88.8		3.33		88.6	6.02	30	11.6	60.7			16	25.6	
Magnesium	Mg	mg/L	-	2.91		6.94	18.7		0.86		24	1.48	7.48	2.85	15.9			4.01	5.55	
Sodium	Na	mg/L	-	9.55		24.5	72		2.47		109	4.56	26.5	8.03	60.1			12.4	14.2	
Potassium	K	mg/L	-	4.04		12	35.5		0.71		45.9	1.72	11.1	3.26	25.5			5.47	4.7	
Ammonia as N	NH ₃ -N	mg/L	-	0.11		0.27	0.57		<0.02		0.56	<0.02	0.3	0.1	0.34			0.03	0.38	
Un-ionized Ammonia		mg/L	0.02	0.0002		0.0001	0.0027		<0.0002		0.003	<0.0002	0.001	0.001	0.001			0.0001	0.009	
Phosphate as P	PO ₄ ³⁻	mg/L	-	<0.10		<0.10	<0.50		<0.10		<0.50	<0.10	<0.10	<0.10	<0.20			<0.10	0.013	
Total Phosphorus	P	mg/L	0.03	0.04		0.06	0.07		0.02		0.42	0.05	0.14	0.05	0.19			0.28	0.02	
Reactive Silica	Si	mg/L	-	2.91		9.83	1.25		6.24		17	4.06	10.6	8.11	1.8			11.8	5.39	
Total Organic Carbon	TOC	mg/L	-	8.4		11.6	15.3		6		32.2	9.2	22.7	9.5	23			18	11.1	
Colour		Colour Units	-	66		61	41		40		105	67	78	70	123			64	38	
Turbidity		NTU	-	1.3		2.2	3.5		2.7		29.9	13.3	42.4	4.2	3			22.7	4.1	
Aluminum	Al	mg/L	0.075	0.087		0.066	0.017		0.12		0.017	0.083	0.044	0.152	0.019			0.087	0.06	
Arsenic	As	mg/L	0.005	<0.003		<0.003	<0.003		<0.003		<0.003	<0.003	<0.003	<0.003	<0.003			<0.003	0.0002	
Barium	Ba	mg/L	-	0.018		0.029	0.05		0.008		0.11	0.012	0.037	0.015	0.059			0.019	0.046	
Boron	B	mg/L	0.2	0.107		0.232	0.923		0.021		0.792	0.064	0.261	0.102	0.898			0.18	0.175	
Cadmium	Cd	mg/L	0.0002	<0.0001		<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	0.000028	
Chromium	Cr	mg/L	0.0089	<0.003		<0.003	<0.003		<0.003		<0.003	<0.003	<0.003	<0.003	0.003			<0.003	0.009	
Copper	Cu	mg/L	0.005	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	0.0017	
Iron	Fe	mg/L	0.3	0.222		0.325	0.109		0.132		6.61	0.169	1.15	0.337	0.817			0.541	0.431	
Lead	Pb	mg/L	0.001	<0.001		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.001			<0.001	0.00022	
Manganese	Mn	mg/L	-	0.035		0.128	0.119		0.01		1.36	0.02	0.488	0.038	0.628			0.263	0.108	
Mercury	Hg	mg/L	0.0002	<0.0001		<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.00002	
Molybdenum	Mo	mg/L	0.04	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	0.0001	
Nickel	Ni	mg/L	0.025	<0.003		<0.003	<0.003		<0.003		0.004	<0.003	<0.003	<0.003	<0.003			<0.003	<0.01	
Selenium	Se	mg/L	0.1	<0.004		0.004	<0.004		<0.004		<0.004	<0.004	<0.004	<0.004	<0.004			<0.004	<0.001	
Silver	Ag	mg/L	0.0001	<0.0001		<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001	
Strontium	Sr	mg/L	-	0.074		0.144	0.337		0.018		0.499	0.034	0.137	0.065	0.34			0.076	0.152	
Thallium	Tl	mg/L	0.0003	<0.0003		<0.0003	<0.0003		<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003			<0.0003	<0.00005	
Tin	Sn	mg/L	-	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.05	
Titanium	Ti	mg/L	-	0.004		0.008	0.003		0.006		0.005	0.007	0.007	0.004	0.003			0.004	0.006	
Uranium	U	mg/L	0.005	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.00005	
Vanadium	V	mg/L	0.006	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	0.003			<0.002	0.0004	
Zinc	Zn	mg/L	0.03	0.006		<0.005	0.006		<0.005		0.005	0.005	0.009	0.007	<0.005			0.007	0.009	
Total Dissolved Solids	TDS	mg/L	-	130		218	518		<20		774	56	208	64	392			136	112	
Total Hardness (as CaCO3)		mg/L	-	41		110	299		11.9		320	21.1	106	40.7	217			56.5	87	
% Difference/Ion Balance		%	-	1.1		2.9	1		14.5		3.15	3.63	0.619	2.89	1.89			7.53	11.6	
Biochemical Oxygen Demand	BOD	mg/L	-	<2		<5	<5		<5		11	<5	5	<5	18			<5	<3	
Total Kjeldahl Nitrogen	TKN	mg/L	-	0.86		0.83	1.71		0.6		3.76	0.43	1.52	0.62	1.56			0.77	0.8	
Chemical Oxygen Demand	COD	mg/L	-	18		32	39		6		116	24	54	13	42			36	32	
Phenols		mg/L	0.001	<0.001		<0.001	<0.001		<0.001		0.002	<0.001	<0.001	<0.001	0.002			0.005	<0.002	
Total Suspended Solids	TSS	mg/L	-	<10		<10	<10		<10		120	<10	150	12	132			<10	120	
Conductivity (field)		µS/cm	-	181		300	930		74		1042	66	320	250	683			230	230	
Temperature (field)		°C	-	9.6		7.1	8.8		5.1		7	8.4	18	4.7	16.2			0.8	7.2	
pH (field)		-	-	7.09		6.54	7.45		7.82		7.52	7.32	7.01	8.01	7.05			7.55	8.2	
Dissolved Oxygen		mg/L	-	6.25		4.12	6.65		8.93		3.56	6	0.65	7.5	4.63			4.35	2.06	

Bold and highlighted indicates PWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter

Results of Surface Water Chemical Analyses

			Provincial Water Quality Objectives (1994)	SW-2
				Sampled on: 2024-10-29
				Sampled by: Azimuth
				Analyzed by: AGAT
Parameter	Symbol	Units	Objective	
Saturation pH		N/A	-	
pH		N/A	6.5-8.5	
Langlier Index		N/A	-	
Alkalinity (as CaCO3)		mg/L	262	
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-	
Hydroxide		mg/L	-	
Electrical Conductivity		uS/cm	-	
Fluoride	F ⁻	mg/L	-	
Chloride	Cl ⁻	mg/L	-	
Nitrate as N	NO ₃ -N	mg/L	-	
Nitrite as N	NO ₂ -N	mg/L	-	
Bromide	Br ⁻	mg/L	-	
Sulphate	SO ₄ ⁻²	mg/L	-	
Calcium	Ca	mg/L	-	
Magnesium	Mg	mg/L	-	
Sodium	Na	mg/L	-	
Potassium	K	mg/L	-	
Ammonia as N	NH ₃ -N	mg/L	-	
Un-ionized Ammonia		mg/L	0.02	
Phosphate as P	PO ₄ ⁻³	mg/L	-	
Total Phosphorus	P	mg/L	0.03	
Reactive Silica	Si	mg/L	-	
Total Organic Carbon	TOC	mg/L	-	
Colour		Colour Units	-	
Turbidity		NTU	-	
Aluminum	Al	mg/L	0.075	
Arsenic	As	mg/L	0.005	
Barium	Ba	mg/L	-	
Boron	B	mg/L	0.2	
Cadmium	Cd	mg/L	0.0002	
Chromium	Cr	mg/L	0.0089	
Copper	Cu	mg/L	0.005	
Iron	Fe	mg/L	0.3	
Lead	Pb	mg/L	0.001	
Manganese	Mn	mg/L	-	
Mercury	Hg	mg/L	0.0002	
Molybdenum	Mo	mg/L	0.04	
Nickel	Ni	mg/L	0.025	
Selenium	Se	mg/L	0.1	
Silver	Ag	mg/L	0.0001	
Strontium	Sr	mg/L	-	
Thallium	Tl	mg/L	0.0003	
Tin	Sn	mg/L	-	
Titanium	Ti	mg/L	-	
Uranium	U	mg/L	0.005	
Vanadium	V	mg/L	0.006	
Zinc	Zn	mg/L	0.03	
Total Dissolved Solids	TDS	mg/L	-	
Total Hardness (as CaCO3)		mg/L	-	
% Difference/Ion Balance		%	-	
Biochemical Oxygen Demand	BOD	mg/L	-	
Total Kjeldahl Nitrogen	TKN	mg/L	-	
Chemical Oxygen Demand	COD	mg/L	-	
Phenols		mg/L	0.001	
Total Suspended Solids	TSS	mg/L	-	
Conductivity (field)		µS/cm	-	
Temperature (field)		°C	-	
pH (field)			-	
Dissolved Oxygen		mg/L	-	

Dry

Bold and highlighted indicates PWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter

Results of Surface Water Chemical Analyses

Parameter	Symbol	Units	Provincial Water Quality Objectives (1994)	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3		
				Sampled on: 2014-05-06	Sampled on: 2014-08-11	Sampled on: 2014-10-21	Sampled on: 2015-04-28	Sampled on: 2015-08-04	Sampled on: 2015-10-20	Sampled on: 2016-04-19	Sampled on: 2016-08-23	Sampled on: 2016-10-25	Sampled on: 2017-05-02	Sampled on: 2017-08-09	Sampled on: 2017-11-02	Sampled on: 2018-05-17	Sampled on: 2018-08-15	Sampled on: 2018-10-25	Sampled on: 2019-04-30	
				Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth
				Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT	Analyzed by: AGAT
Saturation pH		N/A	-	8.86		9.11	9.99			9.12		9.23	10	8.77	8.95	8.45		8.87	8.48	
pH		N/A	6.5-8.5	7.17		7.12	6.89		6.52		6.15	6.98	7.01	6.5	6.82		7.19	7.12		
Langlier Index		N/A	-	-1.69		-1.99	-3.1		-2.6		-3.08	-3.03	-1.76	-2.45	-1.63		-1.68	-1.36		
Alkalinity (as CaCO3)		mg/L	262	26		18	6		17		9	<5	28	26	51		24	44		
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-	26		18	6		17		9	<5	28	26	51		24	44		
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-	<5		<5	<5		<5		<5	<5	<5	<5	<5		<5	<5		
Hydroxide		mg/L	-	<5		<5	<5		<5		<5	<5	<5	<5	<5		<5	<5		
Electrical Conductivity		uS/cm	-	120		78	25		75		150	67	145	66	156		134	224		
Fluoride	F ⁻	mg/L	-	<0.05		<0.05	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.1		
Chloride	Cl ⁻	mg/L	-	7.03		4.33	0.91		3.98		10.5	0.66	13.1	2.93	16.2		12.3	19		
Nitrate as N	NO ₃ -N	mg/L	-	<0.05		<0.05	<0.05		0.06		<0.05	<0.05	<0.05	<0.05	0.07		<0.05	0.1		
Nitrite as N	NO ₂ -N	mg/L	-	<0.05		<0.05	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05		
Bromide	Br ⁻	mg/L	-	<0.05		<0.05	<0.05		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.4		
Sulphate	SO ₄ ²⁻	mg/L	-	14.1		7.31	2.69		7.54		34.2	15	15.9	1.82	5.28		8.33	30		
Calcium	Ca	mg/L	-	8.8		6.81	2.35		6.47		12.4	2.72	10.6	5.83	11.3		8.87	23.8		
Magnesium	Mg	mg/L	-	2.23		2.04	0.66		1.57		3.23	0.71	2.29	1.66	3.2		2.57	5.75		
Sodium	Na	mg/L	-	7.37		4.9	1.61		4.75		7.88	1.35	10.1	3.93	12.2		10.1	15.3		
Potassium	K	mg/L	-	3.2		2.22	0.5		2.08		1.43	0.53	2.32	1.83	5.06		2.83	5.3		
Ammonia as N	NH ₃ -N	mg/L	-	0.04		0.02	<0.02		<0.02		0.08	<0.02	0.03	0.04	<0.2		<0.02	0.16		
Un-ionized Ammonia		mg/L	0.02	0.0001		0.00001	<0.0002		<0.0002		0.0003	<0.0002	0.0001	0.0004	<0.0002		<0.0002	0.0017		
Phosphate as P	PO ₄ ³⁻	mg/L	-	<0.10		<0.10	<0.10		<0.10		<0.10	<0.10	<0.10	<0.10	<0.10		<0.10	0.009		
Total Phosphorus	P	mg/L	0.03	0.02		0.07	0.03		0.02		0.5	0.03	0.05	0.04	0.1		0.05	0.01		
Reactive Silica	Si	mg/L	-	1.82		8.64	2.06		5.55		17.6	4.52	9.49	8.15	1.64		11.7	4.69		
Total Organic Carbon	TOC	mg/L	-	8.6		12.7	9.3		6.3		38.2	9.7	38.7	11	16.7		18.3	9.9		
Colour		Colour Units	-	75		126	63		46		266	53	288	110	146		80	43		
Turbidity		NTU	-	<0.5		5.4	1.8		1.3		35.4	23.1	1.6	1.8	82.7		0.9	0.5		
Aluminum	Al	mg/L	0.075	0.081		0.123	0.105		0.077		0.365	0.173	0.35	0.105	0.089		0.161	0.08		
Arsenic	As	mg/L	0.005	<0.003		<0.003	<0.003		<0.003		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	0.0002		
Barium	Ba	mg/L	-	0.016		0.016	0.031		0.01		0.028	0.009	0.024	0.011	0.03		0.02	0.05		
Boron	B	mg/L	0.2	0.088		0.035	0.243		0.066		0.04	0.019	0.073	0.047	0.143		0.068	0.213		
Cadmium	Cd	mg/L	0.0002	<0.0001		<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	0.00029		
Chromium	Cr	mg/L	0.0089	<0.003		<0.003	<0.003		<0.003		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.001		
Copper	Cu	mg/L	0.005	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	0.0012		
Iron	Fe	mg/L	0.3	0.063		0.562	0.199		0.041		0.903	0.141	0.636	0.342	0.522		0.461	0.298		
Lead	Pb	mg/L	0.001	<0.001		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.001		<0.001	0.0024		
Manganese	Mn	mg/L	-	0.017		0.143	0.105		0.003		0.22	0.009	0.077	0.032	0.25		0.081	0.104		
Mercury	Hg	mg/L	0.0002	<0.0001		<0.0001	<0.0001		<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.00002		
Molybdenum	Mo	mg/L	0.04	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.0001		
Nickel	Ni	mg/L	0.025	<0.003		<0.003	<0.003		<0.003		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.01		
Selenium	Se	mg/L	0.1	<0.004		<0.004	<0.004		<0.004		<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	<0.001		
Silver	Ag	mg/L	0.0001	<0.0001		<0.0001	<0.0001		<0.0001		<0.0001	0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001		
Strontium	Sr	mg/L	-	0.055		0.044	0.11		0.03		0.062	0.017	0.061	0.037	0.078		0.047	0.153		
Thallium	Tl	mg/L	0.0003	<0.0003		<0.0003	<0.0003		<0.0003		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003		<0.0003	<0.00005		
Tin	Sn	mg/L	-	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.05		
Titanium	Ti	mg/L	-	<0.002		0.004	<0.002		0.004		0.007	0.004	0.008	0.003	<0.002		0.002	<0.005		
Uranium	U	mg/L	0.005	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.00005		
Vanadium	V	mg/L	0.006	<0.002		<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	<0.002	0.003		<0.002	0.0002		
Zinc	Zn	mg/L	0.03	<0.005		0.007	<0.005		0.006		0.013	0.007	0.012	<0.005	0.006		0.007	0.013		
Total Dissolved Solids	TDS	mg/L	-	88		60	24		28		174	36	136	38	102		114	121		
Total Hardness (as CaCO3)		mg/L	-	31		25.4	8.6		22.6		44.3	9.7	35.9	21.4	41.4		32.7	83		
% Difference/Ion Balance		%	-	0.8		10.2	11.6		7.4		3.32	10.8	1.7	0.587	3.4		7.63	3.18		
Biochemical Oxygen Demand	BOD	mg/L	-	<2		<5	<5		<5		8	<5	<5	<5	<5		<5	9		
Total Kjeldahl Nitrogen	TKN	mg/L	-	0.68		0.6	0.42		0.7		3.8	0.34	1.17	0.57	0.64		0.73	0.6		
Chemical Oxygen Demand	COD	mg/L	-	27		35	22		15		139	27	90	19	29		44	27		
Phenols		mg/L	0.001	<0.001		<0.001	<0.001		<0.001		0.002	<0.001	<0.001	<0.001	0.002		0.004	<0.002		
Total Suspended Solids	TSS	mg/L	-	<10		<10	<10		<10		61	<10	<10	<10	<10		<10	<3		
Conductivity (field)		µS/cm	-	118		80	42		110		135	28	150	100	185		220	200		
Temperature (field)		°C	-	9.4		7.1	7.4		3.8		5.6	8.1	18.8	5	15.8		1.2	6.3		
pH (field)			-	7.28		6.34	6.58		7.48		7.52	7.34	6.95	7.94	7.8		7.45	7.88		
Dissolved Oxygen		mg/L	-	1.65		0.75	3.34		6.23		5.65	5.3	4.65	5.51	6.7		5.42	3.42		

Bold and highlighted indicates PWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter

Results of Surface Water Chemical Analyses

Parameter			Units	Objective	Provincial Water Quality Objectives (1994)																	
					SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	
					Sampled on: 2019-08-21	Sampled on: 2019-10-24	Sampled on: 2020-04-27	Sampled on: 2020-08-17	Sampled on: 2020-10-22	Sampled on: 2021-05-04	Sampled on: 2021-08-24	Sampled on: 2021-10-26	Sampled on: 2022-05-03	Sampled on: 2022-08-22	Sampled on: 2022-10-20	Sampled on: 2023-05-02	Sampled on: 2023-08-16	Sampled on: 2023-10-26	Sampled on: 2024-04-23	Sampled on: 2024-08-14		
					Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth	Sampled by: Azimuth		
Analyzed by:			Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon	Caudeon					
Saturation pH		N/A	-		9.48	8.62	8.75	9.9	9.08		8.94	8.74		8.13	9.13	8.39	8.45	8.76				
pH		N/A	6.5-8.5		6.92	6.93	6.59	6.75	7.28		6.46	7.06		7.1	6.85	6.48	7.19	6.87				
Langlier Index		N/A	-		-2.56	-1.69	-2.16	-3.15	-1.8		-2.48	-1.68		-1.03	-2.28	-1.91	-1.26	-1.89				
Alkalinity (as CaCO3)		mg/L	262		14	39	23	8	26		28	46		76	24	51	50	43				
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-		14	39	23	8	26		28	46		76	24	51	50	43				
Carbonate (as CaCO3)	CO ₃ ²⁻	mg/L	-		< 5	< 5	< 5	< 5	< 5		< 5	< 5		< 5	< 5	< 5	< 5	< 5				
Hydroxide		mg/L	-		< 5	< 5	< 5	< 5	< 5		< 5	< 5		< 5	< 5	< 5	< 5	< 5				
Electrical Conductivity		uS/cm	-		67	213	122	27	105		94	184		297	77	216	286	165				
Fluoride	F ⁻	mg/L	-		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1				
Chloride	Cl ⁻	mg/L	-		5.4	23.7	18.2	0.5	11.8		7.4	17.4		35	4.7	30.1	56.7	12.8				
Nitrate as N	NO ₃ -N	mg/L	-		0.1	0.12	0.09	0.07	< 0.05		0.14	0.09		0.11	0.17	0.34	< 0.05	0.05				
Nitrite as N	NO ₂ -N	mg/L	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05				
Bromide	Br ⁻	mg/L	-		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4		< 0.4	< 0.4		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4				
Sulphate	SO ₄ ²⁻	mg/L	-		4	20	2	< 1	5		3	15		13	5	4	6	13				
Calcium	Ca	mg/L	-		6.51	14.6	17.1	3.28	6.89		8.61	12.5		21.6	6.44	18.8	17.6	9.82				
Magnesium	Mg	mg/L	-		1.6	3.82	3.71	0.85	1.89		2.2	3.08		5.23	1.53	4.28	4.35	3.27				
Sodium	Na	mg/L	-		5.1	18	11.3	1.8	9.9		7	14.6		22.8	5.4	21.9	28.6	13				
Potassium	K	mg/L	-		1.6	5.5	1.2	0.3	2.5		2.3	4.6		7.5	1.8	3.1	5	4.6				
Ammonia as N	NH ₃ -N	mg/L	-		0.03	< 0.01	0.04	0.03	< 0.01		0.03	< 0.01		0.06	0.28	< 0.05	0.1	0.18				
Un-ionized Ammonia		mg/L	0.02		0.0001	< 0.0002	0.0005	0.0001	< 0.0002		0.0001	< 0.0002		0.0000	0.0010	< 0.0002	0.0001	0.0023				
Phosphate as P	PO ₄ ³⁻	mg/L	-		0.004	< 0.002	0.026	0.026	0.002		0.012	0.009		0.012	< 0.002	0.044	0.014	0.004				
Total Phosphorus	P	mg/L	0.03		0.04	0.04	0.09	0.02	0.015		0.04	0.03		0.06	0.04	0.66	0.06	0.03				
Reactive Silica	Si	mg/L	-		7.96	1.69	10.7	7.58	1.83		10.2	0.64		12.5	6.43	13	13.8	1.44				
Total Organic Carbon	TOC	mg/L	-		14.1	10.8	34.5	12.4	12.1		13.2	12.3		16.8	11.4	51.7	40.2	9.6				
Colour		Colour Units	-		138	53	338	96	70		88	50		164	66	188	177	55				
Turbidity		NTU	-		1.9	0.6	3850	1.1	0.4		1.5	1.3		4.2	2.8	900	1.4	9.8				
Aluminum	Al	mg/L	0.075		0.2	0.06	0.37	0.17	0.08		0.09	0.05		0.14	0.15	0.19	0.18	0.05				
Arsenic	As	mg/L	0.005		0.0003	0.0002	0.0007	0.0002	0.0002		0.0002	0.0002		0.0003	0.0002	0.0008	0.0004	0.0002				
Barium	Ba	mg/L	-		0.016	0.028	0.061	0.009	0.023		0.015	0.021		0.029	0.01	0.047	0.043	0.014				
Boron	B	mg/L	0.2		0.057	0.22	0.116	0.014	0.107		0.075	0.186		0.22	0.075	0.269	0.252	0.182				
Cadmium	Cd	mg/L	0.0002		0.000039	0.000023	0.000106	< 0.000015	0.000015		< 0.000015	< 0.000015		0.000017	< 0.000015	0.000069	0.000041	0.000022				
Chromium	Cr	mg/L	0.0089		0.001	0.001	0.001	0.001	0.001		0.001	< 0.001		0.001	< 0.001	0.001	< 0.001	< 0.001				
Copper	Cu	mg/L	0.005		0.0014	0.0006	0.0031	0.0007	0.0006		0.0005	0.0005		0.0017	0.001	0.0018	0.001	0.0008				
Iron	Fe	mg/L	0.3		0.387	0.15	1.65	0.401	0.166		0.426	0.204		0.702	0.212	1.45	0.39	0.032				
Lead	Pb	mg/L	0.001		0.00039	0.00014	0.00119	0.00017	0.00015		0.00017	0.00018		0.00023	0.00022	0.00111	0.00067	0.00014				
Manganese	Mn	mg/L	-		0.027	0.031	0.465	0.021	0.014		0.05	0.067		0.045	0.012	0.445	0.167	< 0.001				
Mercury	Hg	mg/L	0.0002		0.00006	< 0.00002	0.00002	< 0.00002	< 0.00002		< 0.00002	< 0.00002		< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002				
Molybdenum	Mo	mg/L	0.04		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001		< 0.0001	< 0.0001		< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001				
Nickel	Ni	mg/L	0.025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01		< 0.01	< 0.01	0.0036	0.0025	0.0009				
Selenium	Se	mg/L	0.1		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001				
Silver	Ag	mg/L	0.0001		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001		< 0.0001	< 0.0001		< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001				
Strontium	Sr	mg/L	-		0.037	0.084	0.117	0.022	0.045		0.051	0.072		0.115	0.036	0.116	0.099	0.074				
Thallium	Tl	mg/L	0.0003		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005		< 0.00005	< 0.00005		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005				
Tin	Sn	mg/L	-		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05				
Titanium	Ti	mg/L	-		0.007	< 0.005	0.007	< 0.005	0.005		< 0.005	< 0.005		0.008	0.009	0.006	< 0.005	< 0.005				
Uranium	U	mg/L	0.005		< 0.00005	< 0.00005	0.00017	< 0.00005	< 0.00005		< 0.00005	< 0.00005		< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005				
Vanadium	V	mg/L	0.006		0.0006	0.0003	0.0008	0.0004	0.0002		0.0003	0.0002		0.0008	0.0005	0.0008	0.0004	0.0003				
Zinc	Zn	mg/L	0.03		0.007	0.014	0.02	< 0.005	0.01		0.012	0.011		0.008	0.006	0.023	0.007	< 0.005				
Total Dissolved Solids	TDS	mg/L	-		31	109	69	12	54		48	100		162	40	115	148	78				
Total Hardness (as CaCO3)		mg/L	-		23	56	40	12	26		30	50		86	24	64.6	61.9	33.7				
% Difference/Ion Balance		%	-		10.3	2.55	28	28.3	2.65		7.68	3.21		6.16	0.139	8.34	1.2	9.02				
Biochemical Oxygen Demand	BOD	mg/L	-		< 3	< 3	< 3	< 3	< 3		< 3	< 3		< 3	13	5.9	1.5	0.5				
Total Kjeldahl Nitrogen	TKN	mg/L	-		0.7	0.3	1.8	0.6	0.5		0.6	0.6		1.2	0.5	10	< 3	< 3				
Chemical Oxygen Demand	COD	mg/L	-		52	34	107	18	37		27	36		79	26	303	81	25				
Phenols		mg/L	0.001		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002		< 0.001	< 0.001		< 0.001	< 0.001	0.004	< 0.001	< 0.001				
Total Suspended Solids	TSS	mg/L	-		< 3	3	25	< 3	< 3		< 3	< 3		3	< 3	680	< 3	7				
Conductivity (field)		µS/cm	-		68	200	240	30	130		160	152		270	86	254	295	70				
Temperature (field)		°C	-		7.3	5.9	18.9	6	7.6		5.8	8.1		4.2	6.2	21.8	11.1	8.1				
pH (field)		-	-		7.52	6.49	7.56	7.23	7.21		7.28	6.94		6.62	7.43	6.65	6.64	7.9				
Dissolved Oxygen		mg/L	-		3.02	3.66	0.65	3.91	3.48		0.85	3.63		1.65	4.56	1.68	0.65	8.7				

Bold and highlighted indicates PWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter

Results of Surface Water Chemical Analyses

			SW-3
			Provincial Water Quality Objectives (1994)
			Sampled on: 2024-10-29
			Sampled by: Azimuth
			Analyzed by: Caduceon
Parameter	Symbol	Units	Objective
Saturation pH		N/A	-
pH		N/A	6.5-8.5
Langlier Index		N/A	-
Alkalinity (as CaCO3)		mg/L	262
Bicarbonate (as CaCO3)	HCO ₃ ⁻	mg/L	-
Carbonate (as CaCO3)	CO ₃ ⁻²	mg/L	-
Hydroxide		mg/L	-
Electrical Conductivity		uS/cm	-
Fluoride	F ⁻	mg/L	-
Chloride	Cl ⁻	mg/L	-
Nitrate as N	NO ₃ -N	mg/L	-
Nitrite as N	NO ₂ -N	mg/L	-
Bromide	Br ⁻	mg/L	-
Sulphate	SO ₄ ⁻²	mg/L	-
Calcium	Ca	mg/L	-
Magnesium	Mg	mg/L	-
Sodium	Na	mg/L	-
Potassium	K	mg/L	-
Ammonia as N	NH ₃ -N	mg/L	-
Un-ionized Ammonia		mg/L	0.02
Phosphate as P	PO ₄ ⁻³	mg/L	-
Total Phosphorus	P	mg/L	0.03
Reactive Silica	Si	mg/L	-
Total Organic Carbon	TOC	mg/L	-
Colour		Colour Units	-
Turbidity		NTU	-
Aluminum	Al	mg/L	0.075
Arsenic	As	mg/L	0.005
Barium	Ba	mg/L	-
Boron	B	mg/L	0.2
Cadmium	Cd	mg/L	0.0002
Chromium	Cr	mg/L	0.0089
Copper	Cu	mg/L	0.005
Iron	Fe	mg/L	0.3
Lead	Pb	mg/L	0.001
Manganese	Mn	mg/L	-
Mercury	Hg	mg/L	0.0002
Molybdenum	Mo	mg/L	0.04
Nickel	Ni	mg/L	0.025
Selenium	Se	mg/L	0.1
Silver	Ag	mg/L	0.0001
Strontium	Sr	mg/L	-
Thallium	Tl	mg/L	0.0003
Tin	Sn	mg/L	-
Titanium	Ti	mg/L	-
Uranium	U	mg/L	0.005
Vanadium	V	mg/L	0.006
Zinc	Zn	mg/L	0.03
Total Dissolved Solids	TDS	mg/L	-
Total Hardness (as CaCO3)		mg/L	-
% Difference/Ion Balance		%	-
Biochemical Oxygen Demand	BOD	mg/L	-
Total Kjeldahl Nitrogen	TKN	mg/L	-
Chemical Oxygen Demand	COD	mg/L	-
Phenols		mg/L	0.001
Total Suspended Solids	TSS	mg/L	-
Conductivity (field)		µS/cm	-
Temperature (field)		°C	-
pH (field)			-
Dissolved Oxygen		mg/L	-

Dry

Bold and highlighted indicates PWQO exceedance
 INS - Insufficient sample quantity to analyze for parameter



Municipality of Whitestone

Report to Council

Prepared for: Council

Department: Fire

Agenda Date: December 10, 2024

Report No: FIRE-2024-04

Subject:

The change in cost for our Fire Department to purchase a used ambulance from the Parry Sound District Paramedic Services

Recommendation:

THAT the Council the Municipality of Whitestone receives for information report FIRE 2024-04; and

THAT the Council approves the Fire Chief and Deputy Chief presenting a deputation to the Parry Sound District Paramedic Service Board requesting that they continue to sell a used ambulance for \$1.00 every 2 to 3 years.

Background:

In the past, the Fire Department has been able to acquire a used ambulance approximately every 3 years from the Parry Sound District Paramedic Service (EMS) for \$1.00. The vehicle is usually 2 to 3 years old and has around 200,000 kilometers on it. This vehicle is our rescue vehicle and attends almost every call the department goes on. It is an important resource for our department fulfilling many duties. It carries our medical equipment, it provides a place to shelter a patient from the weather (heat, cold, rain, snow etc.), and insects in the spring, it provides privacy for the patient, and it provides a safe place for the patient while we wait for EMS to arrive.

Our present vehicle is a 2016 and has over 300,000 kilometers. We need to replace this vehicle. Parry Sound District Paramedic Services has informed us that they are now selling their vehicles for \$30,000.00 to recoup funds for the service. We applaud the service for finding ways to keep costs down for all the municipalities, but we assist the Parry Sound District Paramedic Services each year by attending approximately 130 EMS calls a year. Often, we have the patient assessed and ready for transport before EMS gets there. We often wait up to 35 minutes for an ambulance to arrive and need to attend to and shelter a patient. We feel we provide a necessary service for EMS especially as our Municipality is the furthest away from the ambulance base in West Parry Sound. Since our municipality has already paid into the service through an annual levy, we would like to request that they continue the practice of selling us a used ambulance for \$1.00 every 2 to 3 years so that we can continue our service to them at the level we have maintained until now.

FIRE-2024-04 change in cost for our Fire Department to purchase a used ambulance from the Parry Sound District Paramedic Services

Next Steps:

Fire Chief and Deputy Chief present a deputation to the Parry Sound District Paramedic Service Board requesting that they sell a used ambulance for \$1.00 every 5 years to the Municipality of Whitestone Fire Rescue Department.

Financial Considerations:

If the Municipality of Whitestone is unable to receive one for free, then the Fire Department would need to add one to the 2025 budget, approximate cost \$35,000 to \$60,000.

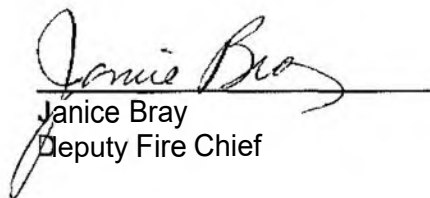
Link to Strategic Plan:

- 2. Fiscal Responsibility and Accountability
- 7. Promote health and safety

Submitted by:



Bob Whitman
Fire Chief



Janice Bray
Deputy Fire Chief

BY-LAWS

**THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE
BY-LAW No. 66-2024**

**A By-law to Enter into an Agreement
for Conditions of Approval of Consent B29/2023(W)**

(Assessment Roll No. 010 002 01125 – DESJARDINS, Robert Arthur and Jeanette)

WHEREAS Section 9 of the *Municipal Act*, 2001, S.O. 2001, c. 25 as amended provides for powers of a natural person whereby a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act;

AND WHEREAS Section 51(26) of the *Planning Act* authorizes municipalities to enter into agreements as a condition of approval of a consent;

AND WHEREAS it is deemed desirable that the Corporation of the Municipality of Whitestone enter into an agreement with Robert Arthur Desjardins and Jeanette Desjardins for the purposes of fulfilling conditions of an approved Consent Application B29/2023(W);

NOW THEREFORE BE IT RESOLVED that the Council of the Corporation of the Municipality of Whitestone hereby enacts as follows:

1. **THAT** the Mayor and CAO/Clerk of the Corporation of the Municipality of Whitestone are hereby authorized to execute under seal of the Corporation an Agreement between the Municipality of Whitestone and Robert Arthur Desjardins and Jeanette Desjardins; and
2. **THAT** the said Agreement is attached hereto and shall form part of this By-law as Schedule "A"; and
3. **THAT** this By-law shall come into effect upon the date, and at the time of its passing; and
4. **THAT** By-law No. 66-2024 being a By-law to enter into an agreement with Robert Arthur Desjardins and Jeanette Desjardins for the purposes of fulfilling conditions of an approved Consent Application B29/2023(W) is hereby passed this 10th day of December, 2024.

Mayor George Comrie

CAO/Clerk Nigel Black



21 Church Street
Dunchurch, Ontario P0A 1G0
Phone: 705-389-2466 Fax: 705-389-1855

www.whitestone.ca
E-mail: info@whitestone.ca

MEMORANDUM

To: Mayor and Council
From: Paula Macri, Planning Assistant
Date: December 3, 2024
Agenda Date: December 10, 2024
Re: DESJARDINS, Robert Arthur and Jeanette
Consent Application B29/2023(W)
Status of Conditions of Approval

Background

At the Council meeting of September 19, 2023, the following resolution was passed:

Resolution No. 2023-448

Moved by: Councillor Scott Nash

Seconded by: Councillor Brian Woods

5.1.1 Consent Application B29/2023(W), DESJARDINS, Robert and Jeannette

WHEREAS John Jackson, Planner Inc. has prepared a report dated September 8, 2023 for the Parry Sound Area Planning Board regarding Consent Application B29/2023(W) – DESJARDINS, Robert and Jeannette and provided a copy to the Municipality of Whitestone;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone receives this report for information; and

THAT the Council of the Municipality of Whitestone recommends this Consent Application for approval in principle, subject to the following conditions:

1. **THAT** payment of a parkland dedication fee be made in accordance with the current Municipal fees and charges By-law;
2. **THAT** the newly created two lots receive 911 addressing from the Municipality;
3. **THAT** the applicants enter into a Section 51(26) Consent Agreement with the Municipality of Whitestone to be registered on title by the applicants to include the recognition of the private access road for the three new lots and to indemnify the Municipality

- for any responsibility or liability for the access or maintenance of the road; and
4. **THAT** payment of all applicable planning fees be paid to the Municipality of Whitestone.

Recorded Vote:

	YEAS	NAYS	ABSTAIN
Councillor, Janice Bray	X		
Councillor, Joe Lamb	X		
Councillor, Scott Nash	X		
Councillor, Brian Woods	X		
Mayor, George Comrie	X		

Carried

On September 23, 2023, the Parry Sound Area Planning Board granted the creation of the two new Waterfront lots fronting on Snake Lake, a right-of-way and one (1) new Rural lot on Granite Lane as applied for by Robert Arthur and Jeanette Desjardins subject to the following conditions:

Planning Board Requirements

1. That the applicant provides the Secretary-Treasurer with:

From Lawyer

- a) the original executed transfer (deed), a duplicate original and one photocopy;
- b) a schedule describing the severed parcel and naming the grantor and grantee attached to the transfer for approval purposes

From Surveyor

- c) a copy of the survey plan deposited in the Land Registry Office

Municipal Compliance Letter Requirements

1. That payment of a parkland dedication fee be made in accordance with the current Municipal fees and charges by-law;
2. That the newly created two lots receive 911 addressing from the Municipality;
3. That the applicants enter into a Section 51(26) Consent Agreement with the Municipality of Whitestone to be registered on title by the applicants to include the recognition of the private access road for the three new lots and to indemnify the Municipality for any responsibility or liability for the access or maintenance of the road; and
4. That payment of all applicable planning fees be paid to the Municipality of Whitestone.

Status of Conditions of the Parry Sound Area Planning Board approval of September 25, 2023:

1. That payment of a parkland dedication fee be made in accordance with the current Municipal fees and charges By-law.
 - Condition satisfied

2. That the newly created two lots receive 911 addressing from the Municipality;
 - Condition satisfied.
3. That the owner enters into a 51(26) Consent Agreement with the Municipality of Whitestone to be registered on title by the applicants to include the recognition of the private access road for the three new lots and to indemnify the Municipality for any responsibility or liability for the access or maintenance of the road;
 - The Consent Agreement has been reviewed by the applicants and the applicants' solicitor, Lisa Lund;
4. That payment of all applicable planning fees be paid to the Municipality of Whitestone.
 - Condition satisfied.

Next Steps.

That the By-law to authorize the execution of the Section 51(26) Consent Agreement be passed on December 10, 2024 at the Regular Council meeting.

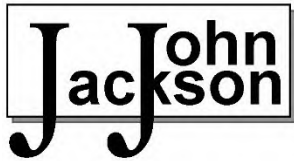
ATTACHMENTS:

Attachment 1

- Report from John Jackson, Planner dated September 8, 2023

Attachment 2

- Consent Agreement



Planner, Inc.

1 Mall Drive Unit #2, Parry Sound, Ontario P2A 3A9

Tel: (705) 746-5667 E-Mail: JJPlan@Vianet.ca

CONSENT APPLICATION NO. B29/2023(W)

PART LOTS 11-12, CONCESSION 6

MUNICIPALITY OF WHITESTONE

87 Granite Lane

Roll # 493901000201125

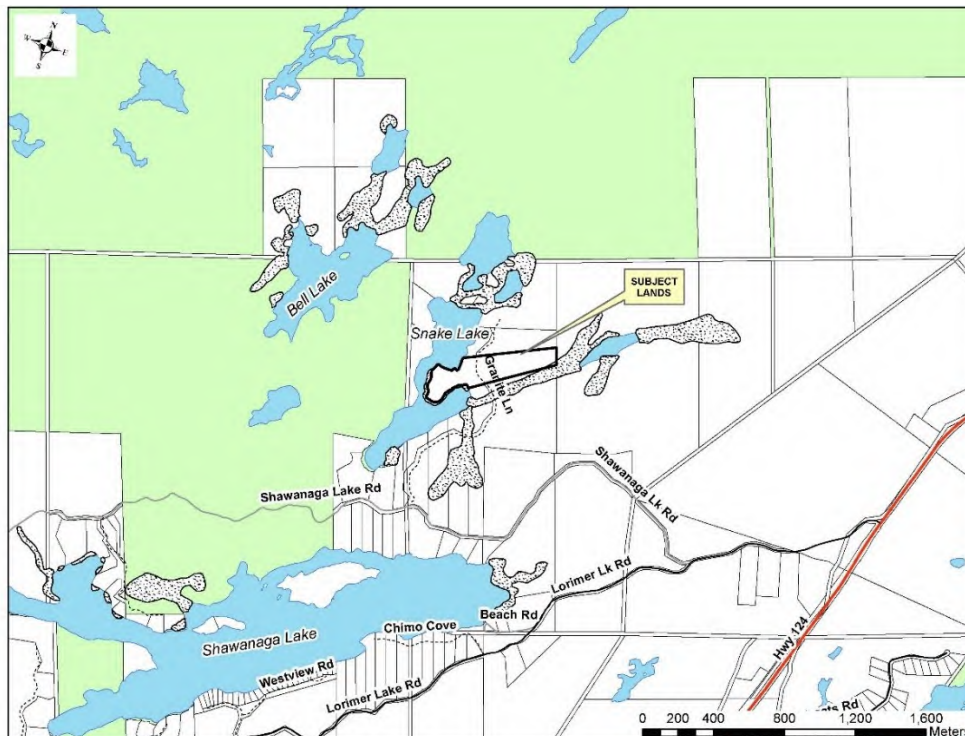
Applicants: Robert and Jeannette Desjardins

September 8, 2023

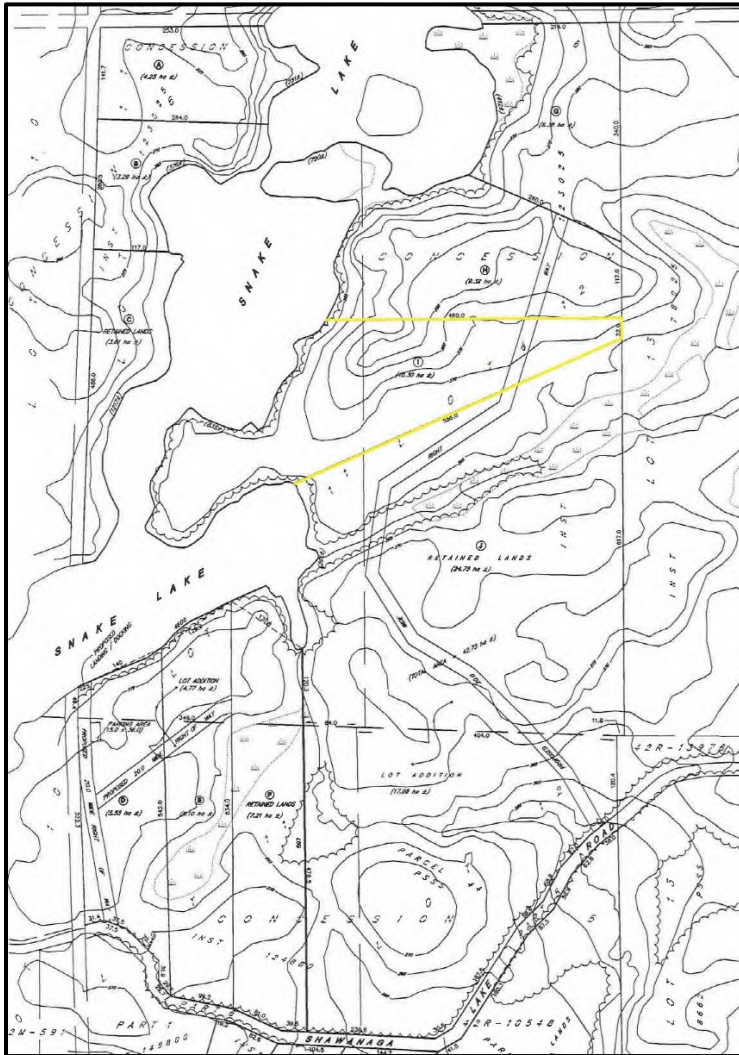
APPLICATION PURPOSE

Robert and Jeannette Desjardins own a Waterfront parcel on Snake Lake, accessed by Granite Lane in part of Lots 11 & 12, Concession 6. Subject lands are approximately 9.6 hectares in size with a point of land (approx. 4.0 ha) and a back acreage (approx. 5.6 ha) divided by Granite Lane (also under the ownership of the applicant).

The proposed consent will create two (2) waterfront lots on Snake Lake and one backlot on Granite Lane.

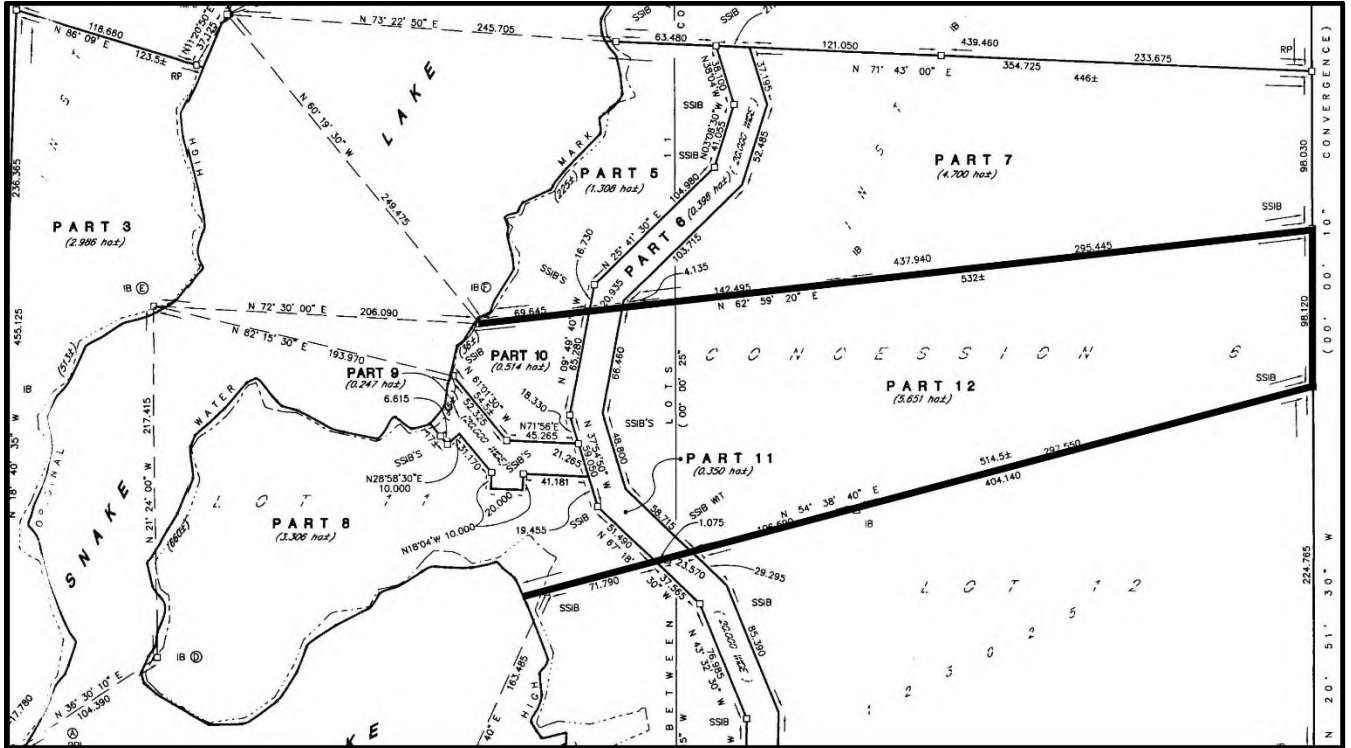


The subject lot was created as a result of consent no. B25/2002 -Quin, that created 9 lots on Snake Lake.



PROPERTY DESCRIPTION

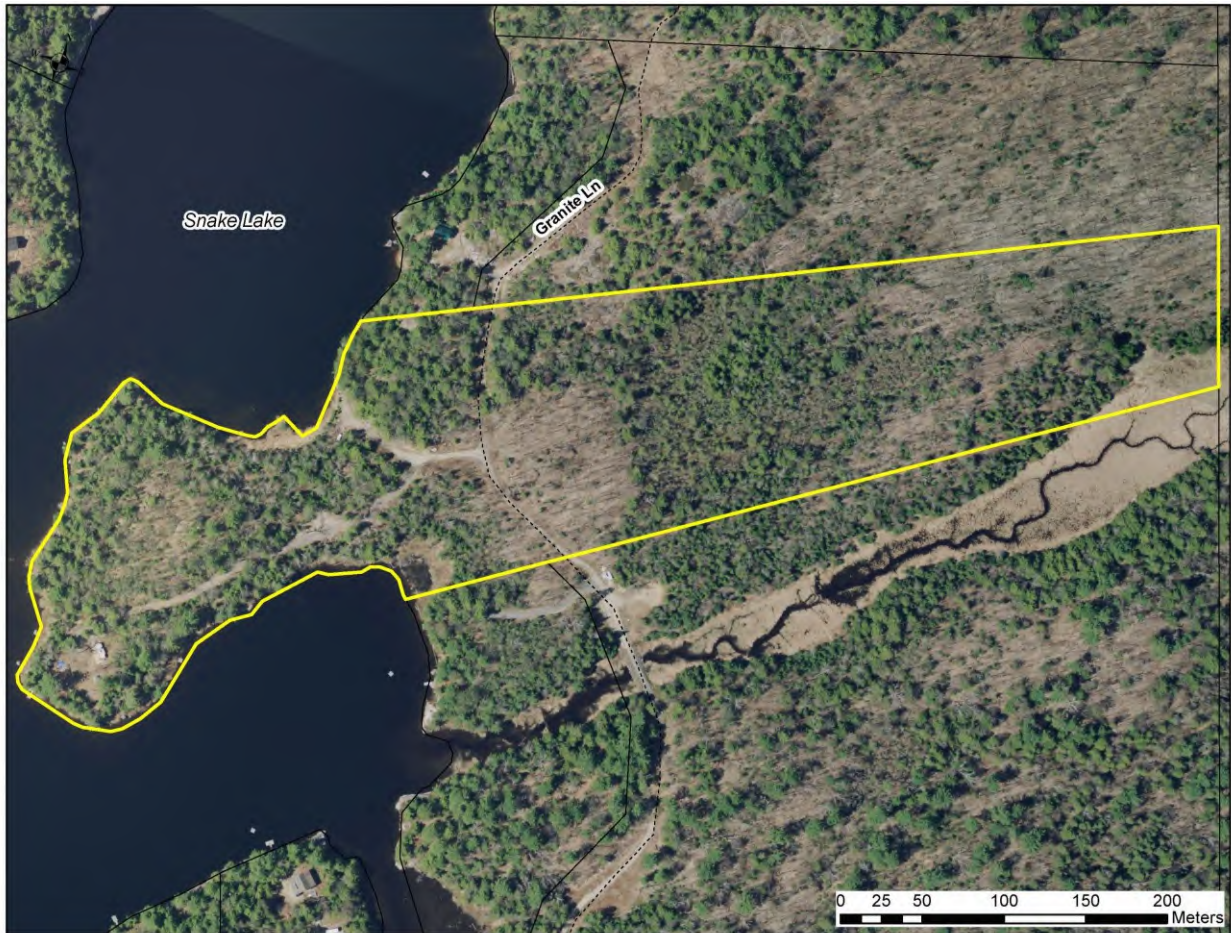
The subject lands are described as parts 8 to 12 on plan 42R-16729 as shown below.



Part 9 serves as a parking area and access point for cottagers on Snake Lake. This access arrangement will remain and will be uninhibited by the proposed consent.

The lands are heavily forested with mixed deciduous/conifers species.

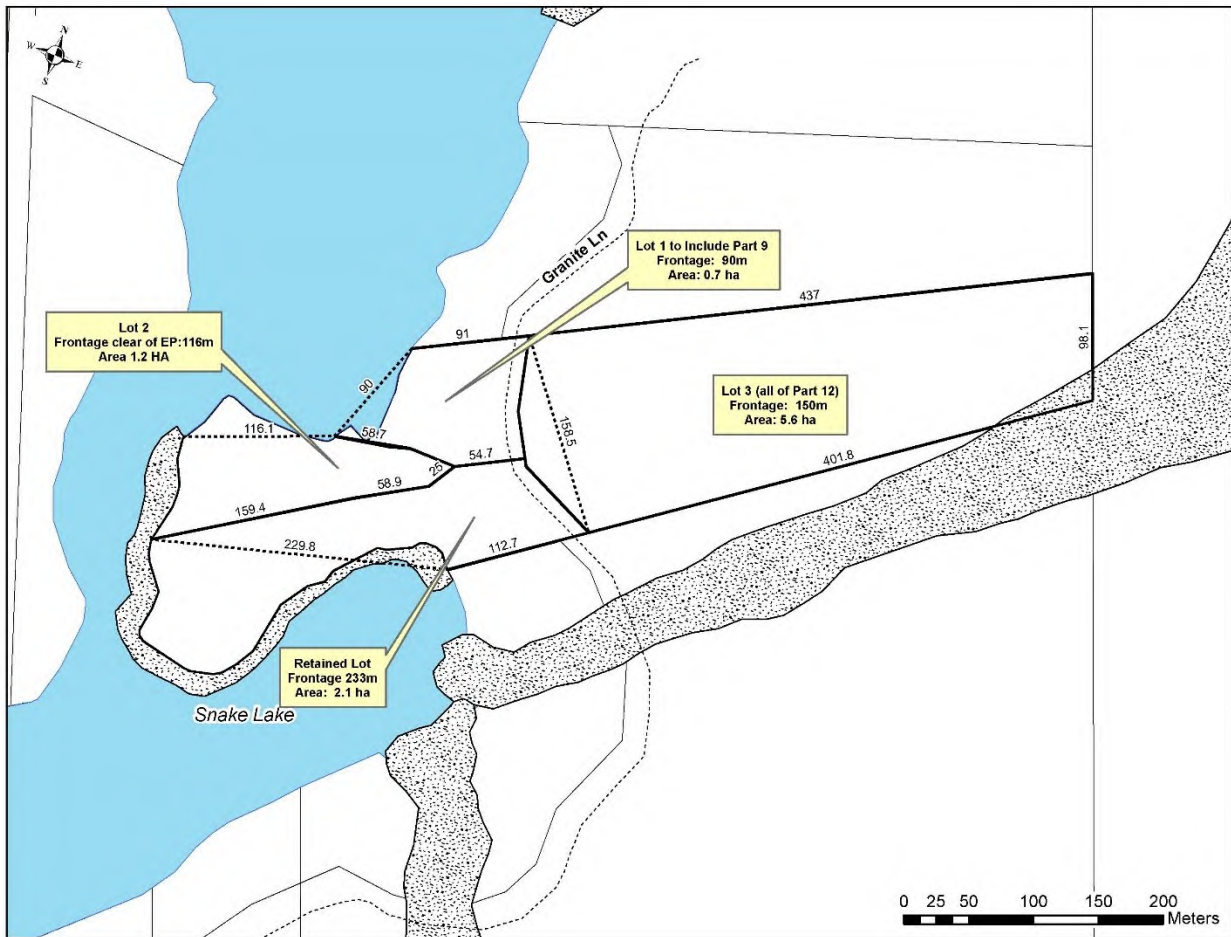
There is a dwelling under construction on the point on the proposed retained lot.



PROPOSED CONSENT

The proposed consent is to create two (2) waterfront lots and one (1) rural lot as shown on the consent sketch below.

	FRONTAGE	AREA
RETAIN	229.8 m	2.1 ha
SEVER 1	90 m	0.7 ha
SEVER 2	160.5 m	1.2 ha
SEVER 3	158.5 m	5.6 ha

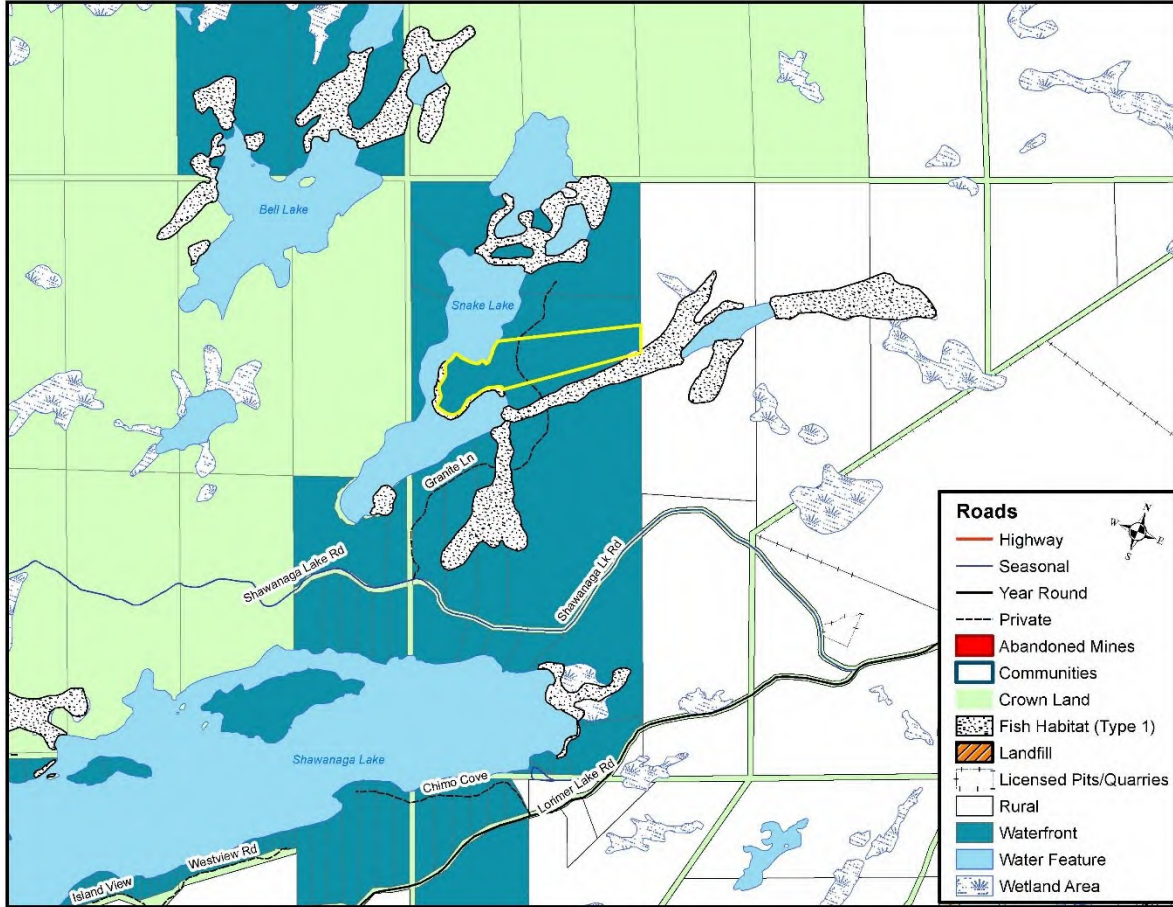


Each of the waterfront lots will have a minimum of 90 metres of frontage and 0.6 hectares of area. The proposed rural lot will have a minimum of 100 metre of frontage and 2.0 hectares of area as required by the Municipality's Zoning By-law.

PARKING AREA AND ACCESS POINT

There is a parking area and access point on a portion on proposed Severed Lot 1 (42R-16729). Historically this access has been the subject of legal proceedings that have since been settled. These lands are currently under the ownership of the applicants and will remain in private ownership as part of proposed Severed Lot 1.

OFFICIAL PLAN

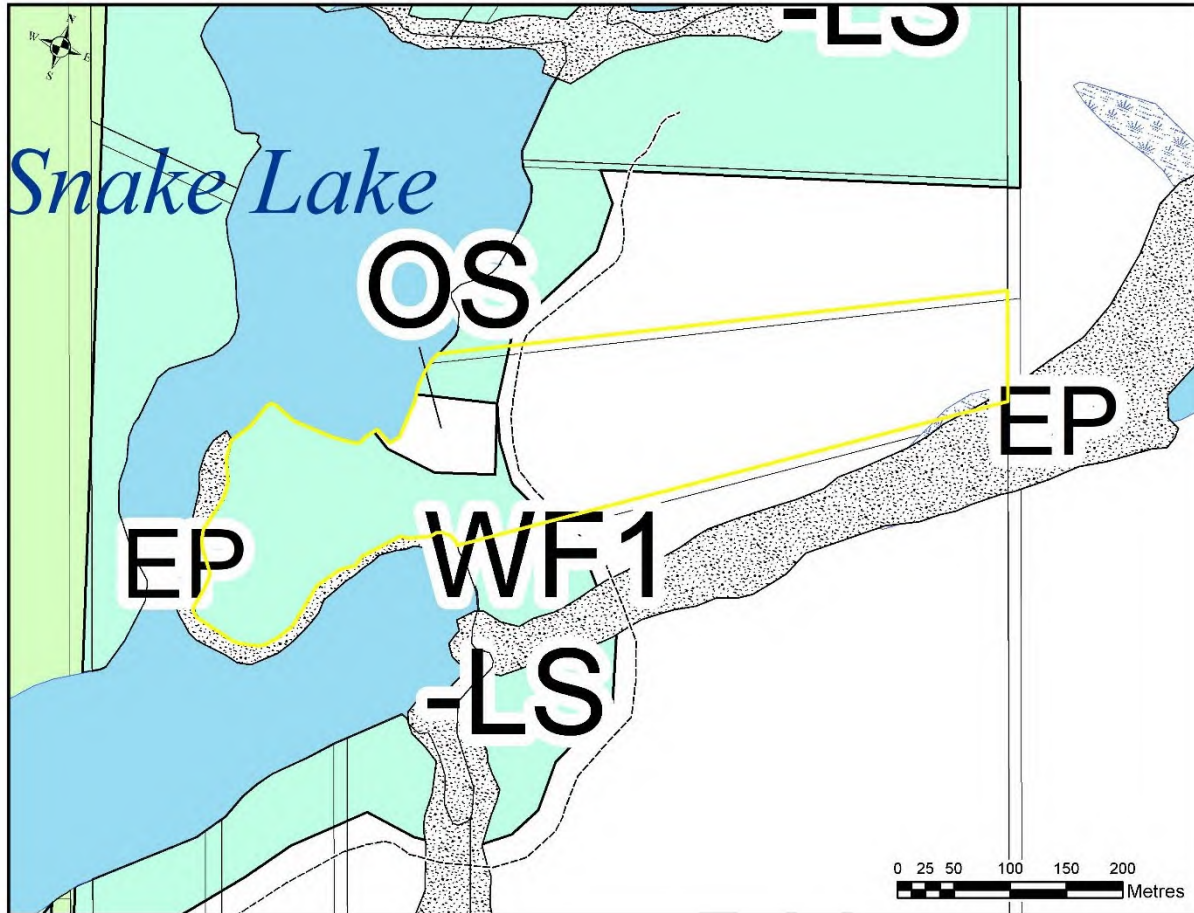


The subject lands are designated Waterfront in the official plan.

There is significant Type 1 Fish Habitat on the shoreline of the subject lands. However, the majority of the habitat is in front of the retained lands.

There are no conflicts with the Waterfront policies.

ZONING By-Law



The lands are split-zoned Rural (RU), Waterfront Residential 1 (WF1), Open Space (OS) and Environmental Protection (EP) in the Municipality's zoning By-Law.

Proposed Severed Lot 1 is free of Type 1 Fish Habitat and will include the Open Space (OS) zoned parking a boat access lands.

Proposed Severed Lot 2 has 116 metres free of Type 1 Fish Habitat.

Proposed Severed Lot 3 is currently zoned Rural (RU) and will not require a zoning change.

RECOMMENDATION

That the Municipality support the proposed consent as applied for by Robert and Jeannette Desjardins in Application No. B29/2023(W) subject to the following:

- 1) Payment of Parkland Dedication fees;
- 2) That the new lots receive 911 addressing;
- 3) Entering in to a 51(26) Consent Agreement to recognize the private road access for the new lots and to indemnify the Municipality for any responsibility or liability for the access or maintenance of the road; and
- 4) Payment of any applicable fees.

Respectfully,



John Jackson M.C.I.P., R.P.P.
JJ;pc

CONSENT AGREEMENT

THIS AGREEMENT made in duplicate this 10th day of December, 2024.

BETWEEN:

ROBERT ARTHUR DESJARDINS and JEANETTE DESJARDINS

hereinafter called the "Owners"

of the First Part

-and-

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

hereinafter called the "Municipality"

of the Second Part

WHEREAS the lands affected by this Agreement are the subject lands described in Schedule "A" hereto annexed;

AND WHEREAS the Owners obtained from the Parry Sound Area Planning Board (File B29/2023(W)) approval of a consent to sever the subject lands. The purpose of the severance is create two (2) new waterfront lots fronting on Snake Lake, a right-of-way and one (1) new Rural lot on Granite Lane;

AND WHEREAS the conditions to approval require the Owners to enter into this Agreement pursuant to section 53(12) of the *Planning Act*, and to register such Agreement on title to the subject lands;

NOW THEREFORE THIS AGREEMENT WITNESSETH THAT, in consideration of other good and valuable consideration and the sum of One Dollar CDN (\$1.00 CDN) now paid by the Municipality to the Owners, the receipt whereof is hereby acknowledged, the parties hereto covenant and agree as follows:

PART A – GENERAL

1. The lands to be bound by the terms and conditions of this Agreement referred to as the “subject lands” are located in the Municipality and more particularly described in Schedule 'A' hereto.
2. The survey describing the severed and retained lands is Reference Plan No. 42R-22570 and 42R-16729.
3. This Agreement shall be registered on title to the subject lands as provided for by Section 51(26) of the *Planning Act*, R.S.O. 1990, as amended, at the expense of the Owners.
4. This Agreement will not be amended or removed from the title of the subject lands unless agreed upon by the Municipality and the Owners.

PART B – PURPOSE OF THE DEVELOPMENT

5. The Owners have applied for and received approval by the Parry Sound Area Planning Board under File No. B29/2023(W) for the creation of two (2) new waterfront lots fronting on Snake Lake, a right-of-way and one (1) new Rural lot on Granite Lane;

PART C – ACCESS

6. The Owners hereby acknowledge and recognize that access to Parts 1 to 6 Plan 42R-22570 is by way of a deeded right of way over Part of Lots 11 and 12, Concessions 5 and 6, geographic Township of Hagerman, being Parts 2 and 5 Plan 42R-22570 and Parts 11,14,19,23,25 and 29, Plan 42R-16729. Access to Parts 7, 8 and 9 Plan 42R-22570 is by way of a deeded right of way over Part of Lots 11 and 12, Concessions 5 and 6, geographic Township of Hagerman, being Part 8 42R-22570 (also known as Part 9, Plan 42R-16729 and Parts 11,14,19, 23, 25 and 29, Plan 42R-16729. Access to Part 12, 42R-16729 is by way of a deeded right of way over Part of Lots 11 and 12, Concessions 5 and 6, geographic Township of Hagerman, being Parts 11,14,19, 23, 25 and 29, Plan 42R-16729. The owners hereby further acknowledge and recognize that the deeded access is privately owned and is not maintained year-round by the Municipality.
7. The Owners hereby recognize and agree that the Municipality is not responsible or liable for the non-repair of the private road identified in paragraph 6 above.
8. The Owners hereby acknowledge and understand that the Municipality may not be able to provide emergency services to the subject lands accessed by the private road.

PART D - EXPENSES TO BE PAID BY THE OWNERS

9. Every provision of this Agreement by which the Owners are obligated in any way shall be deemed to include the words "at the expense of the Owners" unless the context otherwise requires.
10. The Owners shall pay such reasonable fees as may be invoiced to the Municipality by its Solicitor, its Planner, and its Municipal Engineer in connection with all work to be performed as a result of the provisions of this Agreement.

PART E – INDEMNIFICATION FROM LIABILITY AND RELEASE

11. The Owners covenants and agrees with the Municipality, on behalf of itself, their successors and assigns, to indemnify and save harmless the Municipality, its servants and agents from and against any and all actions, suits, claims and demands whatsoever which may arise either directly or indirectly by reason of the negligent or unlawful performance of or failure to perform any work by the Owners or on their behalf in connection with the carrying out of the provisions of this Agreement provided that such default, failure or neglect was not caused as a result of negligence, unlawful performance or breach of this Agreement on the part of the Municipality its servants or agents.
12. The Owners further covenant and agree to release and forever discharge the Municipality from and against all claims, demands, causes of actions, of every nature and type whatsoever that may arise either as a result of the failure of the Municipality to carry out any of its obligations under this Agreement, or, as a result of the Municipality performing any municipal work on the said lands or the adjacent properties which may damage or interfere with the works of the Owners, provided that such default, failure or neglect was not caused as a result of negligence, unlawful performance or breach of this Agreement on the part of the Municipality, its servants or agents.

PART F – ADMINISTRATION

13. The Owners acknowledge that this Agreement is entered into under the provisions of Section 51(26) of the *Planning Act*, R.S.O. 1990, as amended and that any expense of the Municipality arising out of the administration and enforcement of this Agreement may be recovered as taxes under Section 398 of the *Municipal Act*, 2001 as amended and further that the terms and conditions of this Agreement may be enforced under conditional building permits under the *Building Code Act* and regulations thereunder.
14. This Agreement shall enure to the benefit of and be binding upon the respective successors and assigns of each of the parties hereto.

15. This agreement shall come into effect on the date of execution by the Municipality and the Owners.

IN WITNESSETH WHEREOF the Municipality has caused their Corporate seal to be affixed over the signature of the respecting signing officers.

By the Municipality on this 10th day of December, 2024.

**THE CORPORATION OF THE
MUNICIPALITY OF WHITESTONE**

Per: _____
George Comrie, Mayor

Nigel Black, CAO/Clerk

By the Owners on this day of _____, 20__.

Witness Name

ROBERT ARTHUR DESJARDINS

Witness Signature

Witness Name

JEANETTE DESJARDINS

Witness Signature

Schedule "A"

**THIS IS SCHEDULE "A" TO THE CONSENT AGREEMENT
BETWEEN
THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE
AND
ROBERT ARTHUR DESJARDINS and JEANETTE DESJARDINS**

The subject lands are described as:

Part of Lot 11 and 12 Concession 6 Hagerman Pt 8 to 12 Plan 42R-16729 T/W and S/T as in RO199014

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE
BY-LAW No. 67-2024

By-law No. 67-2024 being By-law to confirm that as a condition of office, each Elected Official will be required to have an office outside of the Municipal Office, which could include a virtual or home office.

WHEREAS, Section 283(1) of the Municipal Act, 2001, S.O., 2001, c.25, as amended, provides that a municipality may pay any part of the remuneration and expenses of the members council;

AND WHEREAS Elected Officials may be required to attend Council and Committee meetings remotely or virtually from time to time as a component of their duties and responsibilities;

AND WHEREAS Elected Officials may be able to claim expenses against income that are not reimbursed by the Municipality;

NOW THEREFORE, the Council of the Corporation of the Municipality of Whitestone hereby enacts as follows:

1. **THAT** that as a condition of office, each Elected Official will be required to have an office outside of the Municipal Office, which could include a virtual or home office; and
2. **THAT** this By-law shall come into effect upon the date, and at the time of its passing.

Mayor George Comrie

CAO/Clerk Nigel Black



MEMORANDUM

To: Mayor and Council
From: Michelle Hendry CAO/Clerk
Date: December 10, 2024
Re: Council Claim for Home Office Expenses

Background

At the Regular Council meet of July 16, 2024 the following Resolution was considered and deferred.

Resolution No. 2024-280

Moved by: Councillor Bray

Seconded by: Councillor Nash

9.2 Report ADMIN-2024-07
Council Remuneration and Home Office expenses

THAT the Council the Municipality of Whitestone receives for information report ADMIN-2024-07 (Council Remuneration and Home Office Use); and

THAT the Council of the Municipality of Whitestone does hereby endorse in principle an updated Council Remuneration By-law; and

THAT Staff schedule a public meeting as required under Section 283 (7) of the Municipal Act, 2001, S.O., 2001, c.25, as amended for the purposes of presenting an updated Council Remuneration By-law.

Councillor Nash requested a deferral

Recorded vote requested by Councillor Nash

	Yeas	Nays	Abstain
Councillor Bray	X		
Councillor Lamb	X		
Councillor Nash	X		
Councillor Woods	X		
Mayor Comrie	X		

Deferred

Next Steps:

During the discussion at the July 16, 2024 Council meeting there were a number of suggestions from Members in respect of changes to the current protocols such as, when and how mileage is paid, a suggestion that a per diem be paid for additional meetings outside of the normal schedule and possible reconsideration of other remuneration related matters.

No further input was provided to staff after the meeting as expected.

In order for Members of Council to claim for home office expenses, the Canadian Revenue Agency requires a written, contractual agreement with the Municipality of Whitestone.

The proposed By-law presented on July 16, 2024 speaks to this requirement; it also confirmed current protocols in respect of mileage, training and seminar expenses. The proposed By-law was not approved or passed.

A revised and simplified By-law is now recommended that speaks only to the contractual agreement with Council and the requirement for a home office, which can be applied to the year 2024 for a Members tax return and, going forward.

Attachments:

Attachment A – Report ADMIN-2024-07



Municipality of Whitestone

Report to Council

Prepared for: Council

Department: Administration

Agenda Date: July 16, 2024

Report No: ADMIN-2024-07

Subject:

Council Remuneration and Home Office Use

Recommendation:

THAT the Council the Municipality of Whitestone receives for information report ADMIN-2024-07 (Council Remuneration and Home Office Use); and

THAT the Council of the Municipality of Whitestone does hereby endorse an updated Council remuneration By-law; and

THAT Staff schedule a public meeting as required under Section 283 (7) of the Municipal Act, 2001, S.O., 2001, c.25, as amended for the purposes of presenting an updated Council Remuneration By-law.

Background:

At the Regular Council meeting of November 19, 2018, By-law 46-2018 was enacted which stated:

1. *That the annual remuneration paid to Members of Council effective January 1st, 2019, (excluding any Cost of Living increases) shall be as follows:*

<i>Mayor:</i>	<i>\$25,760.00</i>
<i>Councillor:</i>	<i>\$17,207.00</i>
2. *That this By-law shall come into force and take effect upon the date of its passing and shall be reviewed by Council within four (4) years of that date.*
3. *That all previous By-laws pertaining to Remuneration of Council be and are hereby repealed.*

Members of Council have received economic increases as of January 1 of each subsequent year, based on the October to October Consumer Price Index.

Analysis:

Council Remuneration

As of January 1, 2024, Council Remuneration is as follows:

Mayor	\$ 31,206.58
Councillor	\$ 20,845.19

The By-law referenced above (No. 46-2018) has not been reviewed since 2018.

During the COVID-19 Pandemic, Members of Council were required to join Council and Committee meetings remotely through video conferencing or by telephone. Per the recently enacted procedural By-law, Council now has the option of video conferencing, phoning in or attending meetings in person. Occasionally meetings are scheduled as video conferencing or phone in only.

Home Office Use

Having the use of a home office space including a private space for confidential / closed meeting discussions has evolved as a requirement for Members of Council in order to perform the duties expected of them.

In order for Members of Council to claim for home office expenses, the Canadian Revenue Agency requires a written, contractual agreement with the Municipality of Whitestone. The proposed By-law (ATTACHMENT A) speaks to this requirement as well as confirms current protocols in respect of mileage, training and seminar expenses.

Next Steps:

Section 283 (7) of the Municipal Act, 2001, S.O., 2001, c.25, as amended, states that on or after December 1st, 2003 a council shall review a By-law under subsection (5) at a public meeting at least once during the four-year period corresponding to the term of office of its members after a regular election.

A public meeting will be scheduled as required under Section 283 (7) of the Municipal Act to review the proposed By-law.

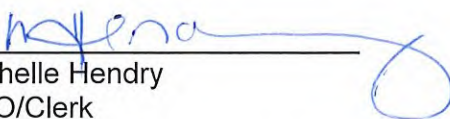
Financial Considerations:

There are no financial pressures relating the proposed By-law. Council remuneration as well as estimated costs for training, conferences and workshops is embedded in the annual operating budget.

Link to Strategic Plan:

Under the leadership of Council, and working together in a spirit of collaboration, our community is engaged in making Whitestone one of the best places in Ontario to live, work, and play

Submitted by:


Michelle Hendry
CAO/Clerk

ATTACHMENT A – DRAFT Council Remuneration By-law

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE
BY-LAW No. xx-2024

Being a By-law to establish remuneration and expenses for the Members of Council of the Corporation of the Municipality of Whitestone and to Repeal By-law No. 46-2018

WHEREAS, Section 283(1) of the Municipal Act, 2001, S.O., 2001, c.25, as amended, provides that a municipality may pay any part of the remuneration and expenses of the members council;

AND WHEREAS Section 283 (2) of the Municipal Act, 2001, S.O., 2001, c.25, as amended, provides that despite any Act, a municipality may only pay the expenses of the members of its council or of a local board of the municipality and of the officers and employees of the municipality or local board if the expenses are of those persons in their capacity as members, officers or employees and if,

- (a) the expenses are actually incurred; or
- (b) the expenses are, in lieu of the expenses actually incurred, a reasonable estimate, in the opinion of the council or local board, of the actual expenses that would be incurred.

AND WHEREAS, Section 283 (7) of the Municipal Act, 2001, S.O., 2001, c.25, as amended, on or after December 1st, 2003 a council shall review a By-law under subsection (5) at a public meeting at least once during the four-year period corresponding to the term of office of its members after a regular election;

AND WHEREAS, Section 284 (1) of the *Municipal Act*, 2001, S.O., 2001, c. 25, as amended, provides that the treasurer of a municipality shall in each year on or before March 31 provide to the council of the municipality an itemized statement on remuneration and expenses paid in the previous year to,

- (a) each member of council in respect of his or her services as a member of the council or any other body, including a local board, to which the member has been appointed by council or on which the member holds office by virtue of being a member of council;
- (b) each member of council in respect of his or her services as an officer or employee of the municipality or other body described in clause (a); and
- (c) each person, other than a member of council, appointed by the municipality to serve as a member of any body, including a local board, in respect of his or her services as a member of the body; and under subsection (2), the statement shall identify the by-law under which the remuneration or expenses were authorized to be paid.

NOW THEREFORE, the Council of the Corporation of the Municipality of Whitestone hereby enacts as follows:

Annual Remuneration

1. **THAT** the Mayor of the Municipality of Whitestone shall be paid an annual rate of remuneration of \$31,206.58 which was effective January 1, 2024.
2. **THAT** the Councillors of the Municipality of Whitestone shall be paid an annual rate of remuneration of \$20,845.19 which was effective January 1, 2024.
3. **THAT** the annual remuneration shall be paid in twelve monthly installments, payable on the first day of each month, in advance, for the month the installment is intended to cover. Where a member of Council is not re-elected or did not run for election, the remuneration for November of the election year shall be pro-rated based the commencement date of the new Council.
4. **THAT** where a member of Council resigns from Council or is otherwise no longer a member of Council, the remuneration shall be prorated based on the last day the member acted in the capacity of a Member of Council
5. **THAT** the annual economic increases for the Mayor and Members of Council be the same as any annual Cost of Living Adjustment, October to October, as determined by Statistics Canada and as provided to municipal employees who are not members of the bargaining unit.
6. **THAT** for the purposes of meeting Revenue Canada requirements, it is acknowledged that the Member of Council is required to provide their own office, vehicle and supplies to carry out their assigned duties.

Expenses

7. **THAT** Members of Council will be required to travel throughout the Municipality of Whitestone from time to time in order to discharge their responsibilities.

No mileage will be paid to Members of Council for attendance at Council meetings, Committee meetings or for other meetings or events/activities held within the Municipality of Whitestone boundaries.

8. **THAT** the expenses for any training, conferences or other meetings that have been authorized by Council or by the Ontario Municipal Act, including registration fees, related mileage, meals and living expenses, shall be reimbursed by the Municipality, in accordance with the current policies as approved for Municipal Staff.
9. **THAT** the Mileage & Expense Form is to be completed, itemizing all mileage, expenses and receipts and the amounts claimed are to be submitted to the Treasurer. Debit card only receipts will not be accepted. The Mileage & Expense Form(s) are to be submitted to the Treasurer or the Chief

Administrative Officer.

10. **THAT** mileage where applicable is measured from a member's residence in Whitestone or from their home address outside of Whitestone, whichever is less. Mileage and meal expenses will be reimbursed at the current published Canada Revenue Agency rates, adjusted annually.
11. **THAT** By-law No. 46-2018 is hereby repealed; and
12. **THAT** this By-law shall come into effect upon the date, and at the time of its passing.

Mayor George Comrie

CAO/Clerk Michelle Hendry

Proposed By-law
July 16 2024

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

By-Law No. 68-2024

Being a By-Law to authorize the execution of an Agreement for a By-Law Enforcement Officer for The Corporation of the Municipality of Whitestone and to appoint a By-Law Enforcement Officer for the Corporation of the Municipality of Whitestone and to repeal By-Law No. 10-2022.

WHEREAS, pursuant to *The Police Services Act*, R.S.O. 1990, Chapter P.15, Section 15 ,and amendments thereto, the Council of the Corporation of the Municipality of Whitestone may appoint such officers and servants as may be necessary for the enforcement of the By-Laws of the Municipality;

AND WHEREAS, Council of the Corporation of the Municipality of Whitestone deems it appropriate to enter into a Contract for Services with Paul Rossiter (carrying on business as Law N Mowers) for the provision of services as a By-law Enforcement Officer to provide a variety of enforcement services pertaining to the By-laws of the Corporation of the Municipality of Whitestone and applicable Provincial and Federal Legislation.

NOW THEREFORE, the Council of the Corporation of the Municipality of Whitestone hereby enacts as follows:

1. **THAT** the Council of the Corporation of the Municipality of Whitestone does hereby appoint Paul Rossiter as a By-law Enforcement Officer for the Corporation of the Municipality of Whitestone until the end of the Term of the Contract for Services or until the appointment is revoked, whichever occurs first.
2. **THAT** Council does hereby authorize and direct the Mayor and Clerk to execute, under Seal of the Corporation, the Agreement for the By-law Enforcement Officer between Paul Rossiter (carrying on business as Law N Mowers) and the Corporation of the Municipality of Whitestone attached hereto as Schedule "A" and forming part of this By-law.
3. **THAT** the Mayor and Clerk are hereby authorized to execute all documents necessary to give effect to this By-law.
4. **AND THAT** this By-law shall come into force and take effect on January 1, 2025.
5. **AND THAT** this By-law is hereby enacted this 10th day of December, 2024.

Mayor

George Comrie

CAO/Clerk

Nigel Black

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

BY-LAW NO. 69-2024

**Being a By-Law to enter into an Agreement between
Municipality of Whitestone and the Ontario Provincial Police
and to repeal By-law 26-2019**

WHEREAS under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues;

AND WHEREAS under Section 9 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act;

AND WHEREAS the Council of the Municipality of Whitestone deems it in the best interest of the taxpayers to enter into this agreement;

NOW THEREFORE the Council of the Corporation of the Municipality of Whitestone hereby enacts as follows:

1. That the Mayor and CAO/Clerk of the Corporation of the Municipality of Whitestone are hereby authorized to execute under seal of the Corporation an Agreement being Schedule 'A' of this By-law, between the Municipality of Whitestone and Ontario Provincial Police; and
2. That By-Law No. 26-2019 is hereby repealed; and
3. That this By-Law shall become effective upon the date, and at the time, of its enactment; and
4. That By-law No. 69-2024 being a By-law to authorize the Mayor and CAO/Clerk to enter into an Agreement with His Majesty the King in Right of Ontario as represented by the Minister of the Solicitor General on behalf of the Ontario Provincial Police, is hereby passed this 10th day of December, 2024.

Mayor

George Comrie

CAO/Clerk

Nigel Black

Ontario Police
 Provincial provinciale
 Police de l'Ontario



Municipal Policing Bureau
Bureau des services policiers des municipalités

777 Memorial Ave. Orillia ON L3V 7V3 777, avenue Memorial Orillia ON L3V 7V3

Tel: 705 329-6200 Tél. : 705 329-6200
 Fax: 705 330-4191 Téléc.: 705 330-4191

File Reference:600

The Corporation of the Township of McKellar
 P.O. BOX 69
 McKellar ON P0G 1C0
 By email: clerk@mckellar.ca, deputyclerk@mckellar.ca

November 20, 2024

Dear Sir / Madam

This letter is a follow up to our August 2023 correspondence sent to advise of upcoming changes to the Primary Public Safety Answering Point (P-PSAP) service agreement with the Ontario Provincial Police (OPP) to align with the requirements of Next Generation 9-1-1 (NG9-1-1) services. The P-PSAP service is a necessary requirement of providing 9-1-1 to the public as it is the first point of contact when dialing 9-1-1; operators determine whether the caller requires police, fire or ambulance service before routing to the call to the appropriate agency. The new OPP P-PSAP agreement has been developed and is attached to this letter.

At this time, the rate for this service will remain at \$0.561 / capita / annum. Accordingly, the total annual cost of the service to all members of the group in 2025 will be \$11,351.27 based on a residential population served of 20,234.

While we encourage you to review the new agreement in its entirety, a summary of significant updates to the agreement include:

	Previous Agreement(s)	New Agreement
Terminology	Central Emergency Reporting Bureau (CERB) Public Emergency Reporting Service (PERS)	P-PSAP NG 9-1-1
Termination	90-day notice period	180-day notice period
Term length	2 (two) & 5 (five) year, renewable by written notice	Rolling term

To proceed with services under the new agreement, the OPP will require the attached agreement to be signed by the appropriate party, be accompanied by a by-law or band council resolution, and returned to the OPP by December 1, 2024.

Agreements will be effective as of January 1, 2025 and changes to billing based on population updates will be reflected in the annual billing issued in January 2025.

I have attached a P-PSAP information package for your reference. Please notify us at the soonest opportunity if you have any questions, or if you wish to discontinue the P-PASP service from the OPP. Note that the OPP is one of multiple providers of P-PSAP service to choose from, and that a P-PSAP service must be in place for members of your community to continue to be able to access 9-1-1. If you have any questions regarding the service, changes to the agreement, or billing please contact ppsap@opp.ca.

Kind Regards,

A handwritten signature in black ink, appearing to read 'Steve Ridout', written in a cursive style.

Superintendent Steve Ridout
Commander, Municipal Policing Bureau

Attachments P-PSAP Agreement
P-PSAP Information Package



OPP PROVISION OF
9-1-1 PRIMARY PUBLIC SAFETY
ANSWERING POINT (P-PSAP)
SERVICES

OPP 9-1-1 P-PSAP Services

The Ontario Provincial Police (OPP) was established in 1909 and is one of the largest police forces in North America, with 5,500 uniformed officers, 2,500 civilian employees and 600 Auxiliary officers. The OPP operates under the Police Services Act and serves Ontario by protecting its citizens, upholding the law and preserving public safety. Many of the services provided by the OPP, including frontline policing, communications and 9-1-1 Primary Public Safety Answering Point (P-PSAP), are provided under contract to Ontario municipalities.

A P-PSAP is responsible for answering all calls to 9-1-1 for police, fire and ambulance services. A 9-1-1 calltaker will triage the caller's needs and forward the call directly to the appropriate emergency service(s) — known as a secondary Public Safety Answering Point (S-PSAP) — for action and follow-through.

The OPP provides primary PSAP and secondary PSAP services to many municipalities in Ontario.

Trained OPP personnel have expertise in both calltaking and dispatch functions and are available to provide 9-1-1 P-PSAP services 24 hours per day, seven days per week, 365 days per year.

Presently, the OPP has agreements with 111 Municipalities, First Nations, Local Services Boards and other 9-1-1 Authorities to provide P-PSAP services in geographical areas that are policed by the OPP, as well as in some areas where policing is provided by a Municipal Police Service.

If a Municipality chooses to accept an OPP contract for the provision of 9-1-1 P-PSAP services, the resources of the Provincial Communications Centre (PCC) will focus on meeting the needs of the Municipality, as set out in the contract.

Advantages of accepting an OPP contract for the provision of 9-1-1 P-PSAP services to the Municipality include improved situational awareness during incidents, which is crucial to establishing the most efficient emergency communications systems possible. Additionally, it allows for improved control and coordination of major incidents, an assured Grade of Service, consistent use of state-of-the-art technology and continuous service provided at a defined cost.

The information contained in this document outlines OPP-provided P-PSAP services.

Technical and Operational Information

Provincial Communications Centres Providing Call Answering

A Provincial Communications Centre is the incoming communications centre and acts as the primary interface between the public and the OPP for both non-emergent and emergency calls, including 9-1-1. The OPP currently operates four (4) Provincial Communications Centres in Ontario. Each OPP Provincial Communications Centre operates in compliance with the provisions of Ontario Regulation 3/99 governing the adequacy and effectiveness of police services (Adequacy Standards).

For a Municipality under contract with the OPP for 9-1-1 P-PSAP service, the OPP provides continuous and uninterrupted services through one of two Provincial Communications Centres: the North Bay Provincial Communications Centre is designated as the primary call answering centre, with another OPP Provincial Communications Centre serving as the backup location. This is required as part of the Bell Canada service plan. Staff and system requirements necessary for the provision of this service to the municipality are available upon acceptance of the OPP as the provider of P-PSAP services. 9-1-1 calls will be answered and directed to the appropriate public safety agencies within the municipality's 9-1-1 Public Emergency Reporting Service (PERS). In order to accommodate 9-1-1 P-PSAP responsibilities for the municipality, Bell PERS will be required to install circuits to direct the calls appropriately to the OPP. This work will be completed without any cost to the municipality as part of the Bell service plan.

Staffing of Provincial Communications Centres

The OPP staffs all its Provincial Communications Centres with qualified civilian and uniform OPP members. The OPP also manages all the personnel and equipment required to receive and process all emergency calls directed to the P-PSAP. A Provincial Communications Centre is typically staffed based on historical workloads and software algorithms that identify the number of required personnel to adequately meet the OPP Grade-of-Service target. During normal operations the calltaker and dispatcher functions are separated, although all operators are trained to perform both roles. On-duty civilian Communication Teams Leaders and OPP uniform supervisors provide full-time, on-site supervision and support at all times.

The OPP is thoroughly familiar with the operation of the 9-1-1 PERS, as it is a part of normal day-to-day operations. OPP personnel have considerable experience in dealing with emergent situations and serving the public directly. This experience and fundamental orientation are of benefit to the citizens of a municipality that contracts with the OPP as a P-PSAP provider.

Training

Provincial Communications Centre staffing is of utmost importance to the OPP. For the calltakers as the first points of contact for the public during an emergency and for the dispatchers who coordinate the movements and actions of frontline police officers, it is mission critical that PCC staff are well trained and in adherence with the OPP's Standard Operating Procedures. All

applicants for OPP Communications Operator positions are subjected to a rigorous screening process involving interviews, pre-employment testing using CritiCall and other position-specific software, psychological testing and security checks. Once hired, they receive extensive training in a classroom environment, followed by practical training in the Provincial Communications Centre, and are matched with an OPP-trained coach during their initial transition. A quality assurance program is in place to ensure employees maintain their skillset and are compliant with organizational standards.

Standards

The Provincial Communications Centres are guided by OPP Standard Operating Procedures that incorporate the Bell Canada Standards Manual. These procedures are applied consistently to all OPP 9-1-1 customers. The OPP currently has a service level objective of answering 95% of all 9-1-1 calls within two rings. Performance of all call answering activity is regularly measured and reviewed. The 9-1-1 P-PSAP calls are the highest rated priority in the system and are always answered first. Note: The standard ringing cycle is six seconds and is fixed by the telephone company. Accordingly, the maximum time for two ringing cycles is 12 seconds from start to finish.

Each Provincial Communications Centre is equipped with digital reader boards that display information including the number of calls waiting in the queues and the time for the longest outstanding call. The reader boards are programmed to sound an audible alarm at pre-set limits, alerting the calltakers to this critical information. Immediately upon an alarm sounding, prompt action is taken to address the situation to relieve pressure. Team leaders continually monitor call activity and assign duties as required by the situation. Use of this equipment facilitates efficiencies in call answering.

Redundancy and Back-up Sites

Both the P-PSAP (the North Bay Provincial Communications Centre) and the back-up location (another OPP Provincial Communications Centre) are equipped with the same types of equipment and provide equivalent operation and service.

Back Up Site: The operation of the Provincial Communications Centres is mission critical to the OPP. The OPP has developed plans to deal with various system failures or disasters. There are several options to deal with emergent situations up to and including transferring all operations to the back-up location. This includes 9-1-1 PERS service (P- PSAP and Secondary PSAP (S-PSAP)) and regular OPP direct dial services via 888-310-1122/33. It should also be noted the telephone company services (regular Central Office and 9-1-1 PERS) for both the North Bay Provincial Communications Centre and the back-up location are provided via a fibre ring that provides redundant access from the local Bell Central Office. Both locations are also served by different Bell digital multiplex system (DMS) switching systems.

Multi-Language/Hearing-Voice Impaired Calls

All 9-1-1 calls are initially answered in English. Bilingual (French/English) communicators at each Provincial Communications Centre are able to answer a call in either official language. The OPP

will respond, as provided by the French Language Services Act, to both verbal inquiries and written correspondence received in French. The OPP subscribes to an interpretation services telephone line and regularly uses this service to access live translation services in additional languages, as required. To assist with Deaf, deafened, and hard of hearing callers, each Provincial Communications Centre is equipped with a minimum of two (2) TTY devices which are connected to the telephone systems, ensuring calls can be transferred as required. These devices are also used by the OPP to provide similar service through the direct dial 1-888-310-1133 phone number.

The Communications Centre Logger (CCL) system

Every Provincial Communication Centre is equipped with the Communications Centre Logger (CCL) system to capture and store call recordings. Multi-channel digital recorders provide continuous long-term storage on a 24-hour basis. The recorders are redundantly configured in order to ensure continuity of recordings. Copies of recordings are archived to an additional on-site and off-site data server in order to ensure availability in case of hardware failure. All telephone calls are recorded for the duration that the operator's phone remains off hook. All radio transmissions are recorded for the duration of the radio PTT transmission. The CCL system does not record dead air in-between calls or transmissions. Exports of audio recordings are presented as a collection of timestamped clips where each clip represents a single call or transmission.

Records are retained for a seven (7) year plus current year period. Recordings of 9-1-1 related calls are the property of the OPP and no ownership can be accorded to the Municipality. These records contain other proprietary information.

Requests for copies of CCL system recordings are processed by the OPP Technology Disclosure Unit (TDU).

Automatic Number Identification/Automatic Location Identification (ANI/ALI)

ANI (Automatic Number Identification) is the automatic display at the PSAP of the telephone number associated with the line which called 9-1-1. ALI (Automatic Location Identification) contains details about the location, including the GPS coordinates or the civic or mailing address and other identifying information such as the building name or suite number that is associated with the ANI from the database where the PSAP is connected. All Bell 9-1-1 PERS ANI/ALI data and associated information received with each individual 9-1-1 calls is recorded. The OPP is responsible for its own operations and can accommodate the reception of ANI/ALI data. The ANI/ALI data may be transferred or "downstreamed" to Secondary PSAP agencies.

The OPP is prepared to provide to authorized individuals, copies of audio recordings, as it directly pertains to the Municipality's P-PSAP operation for purposes of civil litigation and/or criminal proceedings. Requests for such information must be received in writing at least five days prior to the end of the seven-year retention period for audio recordings. The OPP will retain the originals until such proceedings are complete.

Online Conferencing

The Bell PERS system has a maximum conference capability of three (3) parties. In operation, the P-PSAP will conference the originating 9-1-1 caller to the requested service (police/fire/ambulance). It is then the responsibility of the Secondary PSAP that receives the 9-1-1 call from the P-PSAP, to manage the situation and conference others as required. The OPP can add a fourth party (i.e., interpretation services) via the Meridian conference feature.

Reports

The OPP will provide reports, the frequency of which shall be monthly or as determined in consultation with the Municipality, which will show the overall efficiency of the P- PSAP operation in answering 9-1-1 calls, as well as the volume of calls handled for the Municipality.

The OPP notifies Bell Canada of any identified addressing errors related to the ANI/ALI addressing database. As a standard practice, the OPP reports any noted failures of the 9-1-1 PERS system to Bell Canada.

Costs

The OPP determines the costs for this service based on the population of the community. The annual rate per capita is \$0.561.

Additional Charges

The annual rate shall be reviewed at the end of every calendar year, and it may be revised by the OPP based on changes to the residential population or to the per capita cost charged by the OPP. If the residential population of the Municipality increases or decreases by more than 10% during either the previous year, or cumulatively since the date the Agreement began, the annual rate shall be adjusted accordingly for the following year, and the Municipality shall be obliged to pay the OPP the revised annual rate. The OPP shall determine the annual revisions to the residential population using population figures found in the latest version of the Ontario Municipal Directory, or if not found there, then in other recognized sources.

Allowances for Business Interruptions

Due to the equipment redundancy and back-up provisions, the OPP does not expect any disruption to P-PSAP service. To date there has been no service interruptions to P-PSAP services that are attributable to the OPP. The OPP have committed significant resources to the telecommunications infrastructure to prevent disruptions and consequently are not offering any monetary allowances.

Preparing for Next Generation 9-1-1 (NG9-1-1)

Under a directive from the Canadian Radio-television and Telecommunications Commission (CRTC), all telephone companies are mandated to update their networks in order to be ready to provide next-generation (NG9-1-1) services in the future.

As consumer telecommunication devices continue to evolve with changing technology, the 9-1-1 system must keep pace in order to maintain and further enhance public safety.

NG9-1-1 is the mandatory replacement of the current 9-1-1 service in Canada. Rather than a series of different, proprietary telephone systems, NG9-1-1 is an ecosystem of integrated, standards-based systems from coast to coast to coast. It will comply with a standard developed by the North American Emergency Number Association (NENA) which forms the basis for compatible deployment of this new service in Canada, the United States and around the world.

The change to NG9-1-1 will significantly enhance public safety communications services in an increasingly wireless, mobile society with new broadband network capabilities, notably:

- It will be a national level network that will facilitate emergency communications between citizens and emergency services.
- It will be a standards-based, secure platform specifically for 9-1-1 emergency communications across Canada.
- It will provide OPP PCC Communicators with enhanced caller location and subscriber information, improving their ability to dispatch officers as quickly as possible.
- NG9-1-1 will improve interoperability between emergency services agencies by allowing P-PSAPs to transfer calls efficiently and seamlessly share information from PSAP to PSAP.
- NG9-1-1 will allow the public to real-time text (RTT) 9-1-1 directly and in the future, allow callers to send photos and videos.

By March 1, 2022, all networks were updated to prepare for NG9-1-1. Additional milestones will be put in place by the CRTC, culminating in the decommissioning of the existing 9-1-1 system and full implementation of NG9-1-1 by March 2025.

The OPP is a national leader in NG9-1-1 adoption and implementation and has committed resources to ensuring the safety and security of the new NG9-1-1 network.

Working in partnership with hardware and software stakeholders, the OPP is expecting to begin the NG9-1-1 migration process early in 2024.



**AGREEMENT FOR THE PROVISION OF
PRIMARY PUBLIC SAFETY ANSWERING
POINT (PSAP) SERVICES**

**AGREEMENT FOR THE PROVISION OF PRIMARY PSAP SERVICES
EFFECTIVE AS OF JANUARY 1, 2025**

BETWEEN:

HIS MAJESTY THE KING IN RIGHT OF ONTARIO
as represented by the
MINISTER OF THE SOLICITOR GENERAL
on behalf of the **ONTARIO PROVINCIAL POLICE**

("OPP")

OF THE FIRST PART

AND:

**THE CORPORATION OF THE TOWN OF PARRY SOUND, THE CORPORATION OF THE
TOWNSHIP OF MCDOUGALL, THE CORPORATION OF THE TOWNSHIP OF CARLING,
THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE, THE CORPORATION OF
THE TOWNSHIP OF MCKELLAR, THE CORPORATION OF THE TOWNSHIP OF SEGUIN,
THE CORPORATION OF THE TOWNSHIP OF ARCHIPELAGO, AND THE WASAUKSING
FIRST NATION**
(the "9-1-1 Authority")

OF THE SECOND PART

RECITALS:

- (a) **WHEREAS** Bell Canada has entered into agreements with the 9-1-1 Authority to provide the 9-1-1 Authority with a 9-1-1 Public Emergency Reporting Service (PERS), and which authorizes the 9-1-1 Authority to deliver 9-1-1 services using NG 9-1-1 technology;
- (b) **AND WHEREAS** it is the obligation of the 9-1-1 Authority under its agreement with Bell Canada to ensure that a Primary Public Safety Answering Point serves the territory in which the 9-1-1 Authority operates;
- (c) **AND WHEREAS** the 9-1-1 Authority is permitted under its agreement with Bell Canada to contract with a third party for the management and operation of the Primary Public Safety Answering Point;
- (d) **AND WHEREAS** the 9-1-1 Authority wishes to contract with the OPP for the management and operation of the Primary Public Safety Answering Point, which is or is expected during the term of this Agreement to transition from being delivered by PERS to being delivered using NG 9-1-1 technology;
- (e) **AND WHEREAS** the 9-1-1 Authority confirms its adherence to this Agreement by executing it, as provided for herein, and providing the OPP with a certified copy of the resolution or by-law authorizing it entering into this Agreement;

NOW THEREFORE, in consideration of the promises and covenants herein, the Parties agree as follows:

1 The Parties warrant that the recitals are true.

2 **DEFINITIONS AND INTERPRETATION**

2.1 In this Agreement:

“**9-1-1 Call**” means a request for public safety assistance signaled by a 9-1-1 caller using a device and communications service supporting 9-1-1 contact, regardless of the media (e.g., voice, video, text, other) used to make that request; “**9-1-1 Caller**” means the end user contacting 9-1-1.

“**Agreement**” means this agreement and Schedule “A”, which is attached to, and forms part of this Agreement.

“**ALI**” means an Automatic Location Identification, which consists of a database feature that displays, to the Primary and Secondary PSAP, address and location data with respect to a source from which the 9-1-1 call originates.

“**ANI**” means an Automatic Number Identification, which consists of a database feature that displays the telephone number of the primary exchange service that originates the 9-1-1 call to the Primary PSAP.

“**Call Control**” means a feature that allows the 9-1-1 call taker at the Primary PSAP to maintain control of

the line upon which the 9-1-1 call was made regardless of calling party action.

“ESZ” means Emergency Services Zone, which is a geographic area served by a Secondary PSAP in the territory of the 9-1-1 Authority.

“GIS” means “Geographic Information System”, a system for capturing, storing, displaying, analyzing and managing data and associated attributes which are spatially referenced.

“NG9-1-1” means a secure, IP-based, open-standards based system comprised of hardware, software, data, and operational policies and procedures that (1) provides standardized interfaces from emergency call and message services to support emergency communications, (2) processes all types of emergency calls, including voice, text, data, and multimedia information, (3) acquires and integrates additional emergency call data useful to call routing and handling, (4) delivers the emergency calls, messages and data to the appropriate PSAP and other appropriate emergency entities based on the location of the caller, (5) supports data, video, and other communications needs for coordinated incident response and management and (6) interoperates with services and networks used by first responders to facilitate emergency response.

“Party” means the OPP or the 9-1-1 Authority, and “Parties” shall mean both of them.

“PERS” means “Public Emergency Reporting Service” which is a telecommunications service provided by Bell for the delivery of 9-1-1 calls.

“PSAP” means “Public Safety Answering Point” which is the entity responsible for receiving 9-1-1 calls and processing those 9-1-1 calls according to a specific operational policy.

“Primary PSAP” means the Primary Public Safety Answering Point serving the 9-1-1 Authority and located at the OPP Provincial Communications Centre (PCC), which is the first point of reception by the OPP of 9-1-1 calls.

“Secondary PSAP” means the communication center of a fire, police or ambulance agency, within an ESZ, to which 9-1-1 calls are transferred from the Primary PSAP, and for which the Secondary PSAP is then responsible for taking appropriate action.

“Selective Routing and Transfer” means a feature that automatically routes a 9-1-1 call to the appropriate Primary or Secondary PSAP based upon the ALI and ANI of the telephone line from which the 9-1-1 call originates.

2.2 **Severability** - If any term of this Agreement shall be held to be illegal, invalid, unenforceable, null, void or inoperative by a court of competent jurisdiction, the remaining terms shall remain in full force and effect.

2.3 **Section Headings** - The section headings contained herein are for purposes of convenience only and

shall not be deemed to constitute a part of this Agreement or affect the meaning or interpretation of this Agreement in any way.

2.4 **Entire Agreement** - This Agreement constitutes the entire agreement of the Parties, with respect to the provision and operation of services as defined hereunder and supersedes any previous agreement whether written or verbal. In the event of a conflict or inconsistency between this Agreement and a tender document such as request for proposals issued by the 9-1-1 Authority for the provision of services as described hereunder or the proposal that the OPP submitted in response to the tender document, this Agreement shall prevail to the extent of the conflict or inconsistency.

2.5 **Amendments** - Any amendments to this Agreement shall be in writing and shall not take effect until approved in writing by both Parties. Either party may make changes to this Agreement with the consent of the other party by appending an amendment signed and dated by both parties reflecting the changes.

3 **NOTICES**

3.1 **Notice** - Any notice required pursuant to this Agreement shall be in writing by mail or by electronic mail to the following addresses:

To the 9-1-1 Authority

The Corporation of the Township of
McKellar
P.O. BOX 69
McKellar ON P0G 1C0

Email: clerk@mckellar.ca

To the Ontario Provincial Police

Attention: Municipal Policing Bureau

OPP General Headquarters
777 Memorial Avenue Orillia
ON L3V 7V3

Email: OPP.MunicipalPolicing@opp.ca

Or to such other addresses either of the Parties may indicate in writing to the other. Any notice given in accordance with this Agreement shall be deemed to have been received upon delivery, if delivered by mail or by email, five (5) days after sending.

3.2 **Notices in Writing** - All notices required under this Agreement shall be in writing.

4 RATES AND METHOD OF PAYMENT

4.1 The 9-1-1 Authority shall pay the OPP for providing and operating the Primary PSAP as follows:

- (a) **Amount of Annual Rate** - The 9-1-1 Authority shall be charged and shall be required to pay an annual rate of \$11,351.27 based on the residential population served in the geographic territory of the 9-1-1 Authority of 20,234 at a per capita cost of \$0.561.
- (b) **Review of Annual Rate** - The annual rate specified in clause (a) shall be reviewed at the end of every calendar year and may be revised by the OPP based on changes to the residential population or changes to costs of labour and equipment. In the event that the residential population of the geographic territory of the 9-1-1 Authority increases or decreases by more than 10% during either the previous year, or cumulatively since the date the Agreement began, the annual rate shall be adjusted accordingly for the following year, and the 9-1-1 Authority shall pay the revised annual rate. The OPP shall determine the residential population using population figures found in the latest version of the Ontario Municipal Directory, or if not found there, then in other recognized sources.
- (c) **Invoices** - The first invoice shall be issued immediately to the 9-1-1 Authority upon the start of the Agreement. The 9-1-1 Authority shall subsequently be invoiced annually at the beginning of each calendar year, and the invoice shall cover the time period for the subsequent calendar year, or portion thereof that this Agreement is in effect.
- (d) **Payments** - Payments invoiced under this Agreement shall be made payable to the Minister of Finance, and payment shall be due no later than thirty (30) days following receipt of the invoice. Any payments which have become due and owing after this time period, in whole or in part, shall bear interest at the rate set by the Minister of Finance from time to time.

5 RESPONSIBILITIES OF THE OPP

The OPP shall manage and operate the Primary PSAP and:

- 5.1 **Personnel** - Staff the Primary PSAP to answer and transfer 9-1-1 calls to the appropriate Secondary PSAP at a level appropriate with the 9-1-1 call volume in the geographic territory of the 9-1-1 Authority.
- 5.2 **Equipment** - Provide, in its operation of the Primary PSAP, terminal equipment which permits the utilization of features provided by Bell Canada to the 9-1-1 Authority consisting of ALI, ANI, Selective Routing and Transfer and Call Control features, as well as equipment to communicate with deaf, hard of hearing, and speech impaired callers.

- 5.3 **Hours** - Operate the Primary PSAP twenty-four (24) hours a day, seven (7) days a week.
- 5.4 **9-1-1 Call Response** - Answer and transfer all 9-1-1 calls received by the Primary PSAP and associated ANI/ALI information, to a designated Secondary PSAP within the proper ESZ, as deemed appropriate by Primary PSAP personnel. This shall include maintaining control of the line upon which each 9-1-1 call is received until the 9-1-1 call is confirmed as being transferred to the appropriate Secondary PSAP or until the 9-1-1 call is terminated.
- 5.5 **Record Retention** - Retain digital voice records of all 9-1-1 calls received at the Primary PSAP, in accordance with OPP policy, and ANI/ALI data for one hundred eighty (180) days from the date such records are created. The OPP is prepared to provide to authorized personnel, certified copies of audio recordings, as it directly pertains to the Primary PSAP for the purposes of civil litigation and/or criminal proceedings provided the request is received no later than five (5) days prior to the end of the retention period of the recordings or records. The OPP shall retain the original recordings or records until the conclusion of any civil or criminal proceedings to which such records relate.
- 5.6 **Backup Primary PSAP** - Provide an operational backup Primary PSAP to which 9-1-1 calls shall be transferred at the discretion of the OPP or Bell Canada in the event that the usual Primary PSAP is unable to receive the 9-1-1 calls.
- 5.7 **Non-English Callers** - Make reasonable efforts to respond to 9-1-1 calls from non-English callers, subject to the OPP's ability to access the services of a third-party provider. The OPP does not warrant that it shall be able to provide services to non-English callers, or that it shall be able to access such services from a third-party provider.
- 5.8 **Reports** - Upon request from the 9-1-1 Authority, or as determined by the OPP in consultation with the 9-1-1 Authority, the OPP shall provide reports which show the overall efficiency of the Primary PSAP in answering 9-1-1 calls, including the volume of 9-1-1 calls.

6 RESPONSIBILITIES OF THE 9-1-1 AUTHORITY

The 9-1-1 Authority shall:

- 6.1 **Payment** - Be responsible for the amount of payment, in the manner, and within the timelines set out in Article 4.0 herein.
- 6.2 **Designate Secondary PSAPs** - Designate Secondary PSAPs that are not OPP Detachments for each and every ESZ in the geographic territory of the 9-1-1 Authority to which the Primary PSAP shall answer and transfer a 9-1-1 call, and co-ordinate the participation of all such Secondary PSAPs in the manner required by this Agreement.
- 6.3 **Warranty** - Warrant and represent that each Secondary PSAP serving the 9-1-1 Authority is

operative twenty-four (24) hours a day, seven (7) days a week, and shall answer and respond to all 9-1-1 calls directed to it from the Primary PSAP.

- 6.4 **Changes** - Notify the OPP in writing immediately upon becoming aware of any changes, including but not limited to changes to NG9-1-1 or any technology in use that shall affect or is likely to affect the services the OPP provides under this Agreement, or of any changes to, or the termination or expiry of any Agreement between the 9-1-1 Authority and Bell Canada related to the services provided hereunder.
- 6.5 **GIS Data Responsibility** – The 9-1-1 Authority shall be solely responsible for GIS data it has provided. The OPP is not responsible for aggregating, creating, maintaining, or updating GIS data on behalf of the 9-1-1 Authority.

7 LIMITATION OF LIABILITY

7.1 **Limitation of Liability** - Notwithstanding any other provision in this Agreement, the OPP shall not be responsible or liable for any injury, death or property damage to the 9-1-1 Authority, its employees, subcontractors or agents, or for any claim by any third party against the 9-1-1 Authority, its employees, subcontractors or agents arising from:

- (a) **External Information** - The accuracy or completeness, or lack thereof, of any information the OPP receives from the 9-1-1 Authority, Bell Canada or any other third party, which the OPP relies on in providing services under this Agreement.
- (b) **Equipment and Services** - Equipment or services provided by any other party (including the failure of any other party to provide equipment or services) which the OPP uses and relies on to provide services under this Agreement including but not limited to:
 - (i) Equipment or services required to transfer services provided under this Agreement from any other party to the OPP,
 - (ii) Services provided to non-English speakers who place 9-1-1 calls,
 - (iii) Services provided by Bell Canada to the 9-1-1 Authority including under PERS or NG9-1-1 and,
 - (iv) Services provided by Secondary PSAPs, which are not part of the OPP.
- (c) **Call Volumes** - The inability of the OPP to respond to 9-1-1 calls due to call volume that exceeds the capacity of the Primary PSAP, including the equipment and personnel who work at the Primary PSAP.

7.2 **Survival** - Section 7.1 shall survive the termination or expiry of this Agreement.

8 COMPLIANCE WITH LAWS AND CONFIDENTIALITY

- 8.1 **Compliance with Laws** - Both Parties agree to comply with all applicable laws in effect in the Province of Ontario in performing their respective obligations and duties under this Agreement.
- 8.2 **Confidential Information** - Both Parties agree that except where required by law, or for the purpose of performing duties or obligations under this Agreement, neither Party shall directly or indirectly disclose, destroy, exploit or use, either during or after the term of this Agreement, any confidential information belonging to the other Party, unless the other Party has provided its written consent. Both Parties further agree that when this Agreement terminates or expires, they shall return all confidential information belonging to the other Party.

9 DISPUTE RESOLUTION

- 9.1 **Dispute Resolution** - Subject to Article 10.0 herein, if any dispute arises between the OPP and the 9-1-1 Authority as to their respective rights and obligations under this Agreement, the Parties may use the following dispute resolution mechanism to resolve such disputes:
- (a) The Unit Commander of the Primary PSAP and a representative of the 9-1-1 Authority herein shall attempt to settle the dispute within fifteen (15) business days of the dispute arising;
 - (b) If the Unit Commander of the Primary PSAP and the representative of the 9-1-1 Authority are unable to settle the dispute within fifteen (15) business days of the dispute arising, they shall refer the dispute to the Director. The Director and the representative 9-1-1 Authority shall attempt to resolve the dispute within fifteen (15) business days;
 - (c) If the Parties are still unable to resolve the dispute, the Commissioner or the Deputy Commissioner of the OPP and representative of the 9-1-1 Authority agrees to attempt to resolve the dispute within fifteen (15) business days; and,
 - (d) If the Parties are still unable to resolve the dispute, each may, with the agreement of the other Party, refer the dispute to arbitration in accordance with the Arbitration Act, 1991, as amended.

10 TERM, TERMINATION AND RENEWAL

- 10.1 **Term** - This Agreement shall come into effect on the date first written above and shall remain in force, subject to either party terminating the agreement as specified in this section.
- 10.2 **Termination** - Either Party to this Agreement may terminate this Agreement without cause and without incurring any liability upon providing one hundred eighty (180) days written notice of

termination to the other Party, in which case this Agreement shall terminate one hundred eighty (180) days following the delivery of such notice. Should a notice to terminate be given, the 9-1-1 Authority shall continue to be obligated to pay for the cost of the services described in this Agreement up to and including the date of such termination and the OPP shall continue to be responsible to provide the services described in this Agreement up to and including the date of such termination.

10.3 **Immediate Termination** - Either Party may terminate this Agreement immediately without incurring any liability if Bell Canada withdraws offering PERS or any successor technology such as NG9-1-1 to the 9-1-1 Authority or if the Agreement between Bell Canada and the 9-1-1 Authority for the provision of PERS or any successor technology such as NG9-1-1 is terminated or is expired and not renewed.

11 **GENERAL**

11.1 **No Waiver** - The failure of a Party to this Agreement to enforce at any time any of the provisions of this Agreement or any of its rights in respect thereto or to insist upon strict adherence to any term of this Agreement shall not be considered to be a waiver of such provision, right or term or in any way to affect the validity of this Agreement.

11.2 **Waiver in Writing** - Any waiver by any Party hereto of the performance of any of the provisions of this Agreement shall be effective only if in writing and signed by a duly authorized representative of such Party.

11.3 **No Prejudice** - The exercise by any Party to this Agreement of any right provided by this Agreement shall not preclude or prejudice such Party from exercising any other right it may have under this Agreement, irrespective of any previous action or proceeding taken by it hereunder.

11.4 **Restructuring** - The 9-1-1 Authority shall notify, and consult with the OPP before the 9-1-1 Authority's boundaries are altered, the 9-1-1 Authority is amalgamated with another 9-1-1 Authority, the 9-1-1 Authority is dissolved or the legal status of the 9-1-1 Authority is subject to other substantive changes.

11.5 **Relations** - The Agreement shall not create nor shall it be interpreted as creating any association, partnership, employment relationship or any agency relationship between the Parties.

11.6 **Media** - Both Parties agree that they shall not at any time directly or indirectly communicate with the media in relation to this Agreement unless they first notify the other Party in writing.

11.7 **Promotion** - Neither Party shall publicize or issue any publications related to this Agreement unless they first notify the other Party in writing.

- 11.8 **Assignment** - Neither Party shall assign this Agreement or any portion thereof without the prior written consent of the other, which consent may not be arbitrarily withheld.
- 11.9 **Force Majeure** - Neither Party shall be liable for damages caused by delay or failure to perform its obligations under this Agreement where such delay or failure is caused by an event beyond its reasonable control. The Parties agree that an event shall not be considered beyond one's reasonable control if a reasonable business person applying due diligence in the same or similar circumstances under the same or similar obligations as those contained in the Agreement would have put in place contingency plans to either materially mitigate or negate the effects of such event. If a Party seeks to excuse itself from its obligations under this Agreement due to a force majeure event, that Party shall immediately notify the other Party of the delay or non- performance, the reason for such delay or non-performance and the anticipated period of delay or non-performance.

IN WITNESS WHEREOF, the **9-1-1 Authority** has affixed its Corporate Seal attested by the signature of its duly authorized signing officer(s), and the Provincial Commander of the OPP has personally signed this Agreement to be effective as of the date set out herein.

THE CORPORATION OF THE TOWN OF PARRY SOUND

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE CORPORATION OF THE TOWNSHIP OF MCDOUGALL

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE CORPORATION OF THE TOWNSHIP OF CARLING

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE CORPORATION OF THE TOWNSHIP OF MCKELLAR

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE CORPORATION OF THE TOWNSHIP OF SEGUIN

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE CORPORATION OF THE TOWNSHIP OF ARCHIPELAGO

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

THE WASAUKSING FIRST NATION

SIGNATURE

Print Name & Title

Date: _____ day of _____, 20__

Ontario Provincial Police (OPP)

Provincial Commander

Print Name

Date: _____ day of _____, 20__

SCHEDULE "A"

BYLAW OR BAND COUNCIL RESOLUTION

Attached to and forming part of the Agreement between

HIS MAJESTY THE KING IN RIGHT OF ONTARIO
as represented by the
MINISTER OF THE SOLICITOR GENERAL
on behalf of the **ONTARIO PROVINCIAL POLICE**

And

THE CORPORATION OF THE TOWN OF PARRY SOUND, THE CORPORATION OF THE TOWNSHIP OF MCDOUGALL, THE CORPORATION OF THE TOWNSHIP OF CARLING, THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE, THE CORPORATION OF THE TOWNSHIP OF MCKELLAR, THE CORPORATION OF THE TOWNSHIP OF SEGUIN, THE CORPORATION OF THE TOWNSHIP OF ARCHIPELAGO, AND THE WASAUKSING FIRST NATION

**PLACEHOLDER
BY-LAW/BAND COUNCIL RESOLUTION**

BUSINESS MATTERS

West Parry Sound Recreation & Cultural Centre Board

c/o Town of Parry Sound, 52 Seguin Street, Parry Sound, Ontario P2A 1B4
Tel: (705) 746-2101 • Fax: (705) 746-7461 • www.parrysound.ca

October 24, 2024

Municipality of Whitestone
21 Church Street
Dunchurch, ON P0A 1G0

via e-mail: mayor.comrie@whitestone.ca

ATTN: Mayor George Comrie

Dear Mayor Comrie,

Re: Whitestone Council's Financial Commitment to the Construction of the West Parry Sound Recreation and Cultural Centre

I would like to take this opportunity to update you with respect to the status of the new recreation and cultural centre. The site preparation work is now complete, and crews have begun the next stage which includes building forms and pouring concrete for the foundation. It's very exciting to think that in a few short months from now the structure will begin to emerge out of the ground.

Whitestone Council's \$250,000 financial commitment towards the construction of the new facility is very much appreciated. A copy of the board's agreement with Whitestone is attached for your convenience. Section 1 of the agreement requires Whitestone to make its one-time financial contribution within 30 days of the commencement of the construction of the physical building, subject to the requirements in Section 4 being met.

As the requirements in Section 4 have been met and construction of the physical building has commenced, we look forward to receiving Whitestone's contribution towards the funding of this much anticipated facility.

Sincerely,



Donald Sanderson,
Chair, West Parry Sound Recreation and Cultural Centre

c.c. Mayor Jamie McGarvey, Vice Chair
Michelle Hendry, CAO Whitestone
Clayton Harris, Steering Committee Chair

CH/rj
Encl.

Funding Agreement

BETWEEN:

**West Parry Sound Recreation and Cultural Centre
Joint Municipal Service Board**

(“Board”)

and

The Corporation of The Municipality of Whitestone

(“Whitestone”)

WHEREAS the municipalities of The Archipelago, Carling, McDougall, McKellar, Parry Sound and Seguin have formed a joint municipal service board known as the *West Parry Sound Recreation and Cultural Centre Joint Municipal Service Board*;

AND WHEREAS the Board is desirous of establishing a recreation and cultural centre (“**Facility**”) which meets the needs and interests of all West Parry Sound communities and encourages healthy lifestyles, social interactions and physical well being through education, recreation, wellness, cultural and athletic activities;

AND WHEREAS Whitestone has opted out of joining the Board, but nevertheless recognizes that a recreation and cultural centre is an important amenity for the economic and social well being of the residents of West Parry Sound, including the residents of Whitestone;

AND WHEREAS the Board has relied and will continue to rely on the financial support of Whitestone when making decisions about the Facility;

NOW THEREFORE, IN CONSIDERATION of the terms and conditions herein the parties agree as follows:

Whitestone Funding

1. Whitestone shall make a one-time financial contribution of \$250,000 towards the building of the Facility, within 30 days of the commencement of construction of the physical building, subject to the completion of the requirements outlined in section 4.
2. The Municipality of Whitestone further agrees to contribute annually towards any operating deficit of the Facility, up to 6.1% of such annual deficit, provided that the annual maximum shall not exceed \$18,316, commencing in the first year of the Facility’s operation for a total of ten (10) years, with the annual maximum amount to be increased by the annual consumer price index as of September of the preceding year. The contribution to the first calendar year of operation shall be prorated and shall be based

on the first day of operation being the first day the facility was open to the public with full services as determined and confirmed to the satisfaction of Whitestone.

Operating deficit means where the operating costs and expenses incurred by the Facility, as determined under Generally Accepted Accounting Principles (GAAP), that are related to the operation of the Facility and which shall not include depreciation or reserve funds, exceed the membership revenue and any other operating revenue received by the Board. Whitestone shall have the ability to review all operating costs, revenues and expenses and satisfy itself with the said deficit.

3. The Board shall invoice Whitestone for any operating deficit within 120 days of year-end (to be based on the Audited Financial Statements) for Whitestone's share of the prior year deficit. Whitestone shall pay the invoice within 90 days of receipt subject to the review noted above and concurrence of the operating deficit.

Conditions of Funding

4. The commitments outlined above are conditional on
 - a. A review of the operating model, projected operating revenues, costs, and reserve requirements for the Facility by independent management consultants with expertise in such reviews, to be completed prior to final design of the Facility, at the Boards' cost.

Benefits

5. The residents of Whitestone shall be entitled to use the Facility to the same extent and for the same cost as any other resident of the municipalities that make up the Board during the term of this agreement.

Relationship

6. Nothing in this Agreement is intended to convey ownership of the Facility, or constitute an agency, partnership, joint venture or other form of joint enterprise or fiduciary relationship between the Parties and neither Party shall have authority to bind the other Party in any manner whatsoever.

Counterparts

7. This Agreement may be executed in one or more counterparts, all of which will be considered one and the same Agreement, and will be binding when one or more counterparts have been signed by each of the parties and delivered, either manually

or electronically, to the other party, it being understood that all parties need not sign the same counterpart.

Entire Understanding

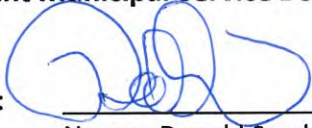
- 8. This Agreement constitutes the entire agreement of the Parties with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings, agreements, representations, and warranties, both written and oral, with respect to such subject matter.

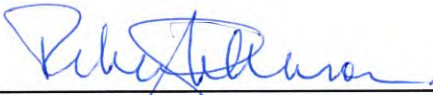
Successors and Assigns

- 9. This Agreement is binding upon and inures to the benefit of the Parties and their respective successors and assigns.


IN WITNESS WHEREOF the Parties hereto have hereunto affixed their corporate seals duly attested to by their proper signing officers in that behalf as of the 31 day of October, 2022.

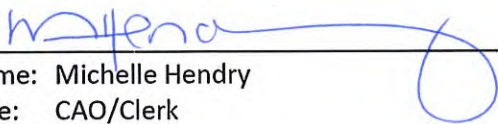
**West Parry Sound Recreation and Cultural Centre
Joint Municipal Service Board**

By: 
Name: Donald Sanderson
Title: Chair

By: 
Name: Rebecca Johnson
Title: Clerk

The Corporation of The Municipality of Whitestone

By: 
Name: George Comrie
Title: Mayor

By: 
Name: Michelle Hendry
Title: CAO/Clerk

ADDITIONAL INFORMATION IN REGARD TO ITEM 11.2

West Parry Sound Recreation and Cultural Centre Agreement

November 9, 2023

Resolution No. 2023-538

Moved by: Councillor Joe Lamb

Seconded by: Councillor Scott Nash

4.4.1 WPS Recreation and Cultural Centre Agreement

WHEREAS the Municipality of Whitestone remains committed to supporting the West Parry Sound Recreation and Cultural Centre per the funding agreement signed October, 2022; and

WHEREAS the funding agreement required a review of the operating model, projected operating costs, and reserve requirements for the Facility by independent management consultants with expertise in such reviews, to be completed prior to final design of the Facility, at the Boards' cost; and

WHEREAS the Municipality of Whitestone understands that BDO was engaged to undertake this review; and

WHEREAS the Municipality of Whitestone requested a copy of the terms of reference and engagement letter for BDO; and

WHEREAS the Council of the Municipality of Whitestone passed resolution # 2023-327 on July 4, 2023 outlining their thoughts on the review; and

WHEREAS the Municipality of Whitestone Council has now received the Terms of Reference for the BDO report as well as the BDO report dated June 15, 2023 and, have had the opportunity to review this report;

THEREFORE, BE IT RESOLVED THAT the Municipality of Whitestone respectfully informs the Joint Services Board that the BDO report does not meet the requirements as set in the agreement dated October 22, 2022; and

THAT the Municipality of Whitestone requests that representatives from both the Steering Committee and the Joint Services Board meet with the Municipality of Whitestone CAO and Councillor Lamb for further discussions on the matter; and

THAT a copy of this resolution be circulated to MP Scott Aitchison, MPP Graydon Smith and other West Parry Sound municipalities and ICIP.

Recorded Vote:

	YEAS	NAYS	ABSTAIN
Councillor, Janice Bray			(left meeting 7:00 pm)
Councillor, Joe Lamb	X		
Councillor, Scott Nash	X		
Councillor, Brian Woods	X		
Mayor, George Comrie		X	

Carried

April 16, 2024

Resolution No. 2024-153

Moved by: Councillor Lamb

Seconded by: Councillor Woods

- 5.2.3 Proposed deferral to 2025 of the Capital Contribution to the West Parry Sound Recreation and Cultural Centre

WHEREAS the Municipality of Whitestone entered into an agreement with the West Parry Sound Recreation and Cultural Centre Joint Municipal Service Board on October 21, 2022; and

WHEREAS the Municipality of Whitestone agreed to make a one-time capital contribution of \$250,000 towards the building of the Facility, within 30 days of the commencement of construction of the physical building, subject to the completion of the requirements outlined in section 4 of the agreement; and

WHEREAS the construction of the building is scheduled to commence approximately mid-year 2024; and

WHEREAS the commitments outlined in the agreement are conditional on a review of the operating model, projected operating revenues, costs, and reserve requirements for the Facility by independent management consultants with expertise in such reviews, to be completed prior to final design of the Facility, at the Boards' cost; and

WHEREAS the West Parry Sound Recreation and Cultural Centre Joint Municipal Service Board submitted to the Municipality of Whitestone a report from BDO dated June 15, 2023 titled 'West Parry Sound - New Recreation Centre Operating and Financial Review Report'; and

WHEREAS at the November 9, 2023 Council meeting **Resolution No. 2023-538** in part reads:

THAT the Municipality of Whitestone respectfully informs the Joint Services Board that the BDO report does not meet the requirements as set in the agreement dated October 22, 2022;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of Whitestone does hereby defer the Capital Contribution of \$250,000 to the year 2025 and until such time as section 4 of the agreement meets the requirements of the Municipality of Whitestone.

Recorded Vote requested by Councillor Joe Lamb

		YEAS	NAYS	ABSTAIN
Councillor	Scott Nash	X		
Councillor	Brian Woods	X		
Councillor	Janice Bray			X
Councillor	Joe Lamb	X		
Mayor	George Comrie		X	

Carried



Unit 107, 21A Belvedere Avenue, Parry Sound, Ontario P2A 2A2 (705) 751-5800
PSCR.ca

October 25, 2024

Mayor Comrie and Council
Municipality of Whitestone
21 Church Street
Dunchurch, Ontario
POA 1G0

Re: Parry Sound Community Radio Association CRTC Application

Dear Mayor Comrie and Council:

Last year I wrote to Mayor and Council of the Municipality of Whitestone with the news Parry Sound Community Radio Association (PSCRA) was planning to submit an application to the Canadian Radio-television and Telecommunications Commission (CRTC) to establish a community FM radio broadcast service in the West Parry Sound District.

While the process is complex and time consuming, and notwithstanding a two-year moratorium on new radio applications in Canada (announced in 2023, something this industry did not see coming), we continue to work hard and faithfully on our application. The moratorium is expected to end by the spring of 2025, however we have an opportunity to present arguments to the Commission which may result in an exemption from such a delay.

We are grateful to have received endorsements from all other municipalities and would very much like to include Whitestone in our submission. We've also received letters of support from our MPP, Graydon Smith and MP Scott Aitchison.

A community radio station is owned and controlled by a not-for-profit organization. While a modest payroll professionally sustains the undertaking in the areas of administration and anchor programming, the bulk of our content is provided primarily by trained volunteers.

. . . / 2

Mayor Comrie and Council, Municipality of Whitestone

October 25, 2024

Page 2

Our proposed programming includes comprehensive local news and sports information, a variety of music genres including local artists and spoken word content.

Please visit our website, www.pscr.ca for thorough details on our programming and progress.

I have taken the liberty of re-attaching a sample resolution (see Attachment: Sample Resolution). On behalf of our Association thank you for your time!

Sincerely,

Parry Sound Community Radio Association

A handwritten signature in blue ink, appearing to read 'Doug McCann', with a long horizontal flourish extending to the right.

Doug McCann

Chair

/dm

Encls.

ATTACHMENT: Sample Resolution

SAMPLE RESOLUTION

Resolution 2024 -

WHEREAS community radio upholds, roots, promotes and advocates on behalf of the people, organizations, business and industry

AND WHEREAS a strong community builds strong individuals, neighbourhoods, business and industry

AND WHEREAS community radio renders a collective voice for the community, manifests and sustains the community's identity, and emerges, expands and advances the community

AND WHEREAS airwaves are public property and not-for-profit community radio ownership provides community access to the airwaves and fosters programming based on community participation, reflects the special interests and needs of its listeners, stimulates cultural enrichment and socio-economic endeavours

AND WHEREAS community radio promotes diversity in the broadcasting of opinions, spoken word content and musical programming and focuses on the arts, local history and interests, needs and initiatives, including local and municipal news, current events and local sports all of which form the basis of the station's programming

AND WHEREAS today's commercial media landscape has become more centralized in corporate interests and less focussed on comprehensive local coverage and content

NOW THEREFORE BE IT RESOLVED THAT the Municipality of Whitestone hereby recognizes the importance and validity of community radio and its value in preserving and building a local, collective voice and identity while supporting and advocating local interests. The Municipality of Whitestone supports an application for community FM radio as proposed to the Canadian Radio-television and Telecommunications Commission (CRTC) by the Parry Sound Community Radio Association.



FORM OF AGREEMENT

BETWEEN:

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE
hereinafter called the "Municipality" of the FIRST PART

and

ALL ONTARIO RECYCLING
hereinafter called the "Contractor" of the SECOND PART

WITNESSETH that the "Contractor" for and in consideration of the payment provided herein to be made to the "Contractor" by the "Municipality", shall supply all labour, materials and equipment required to perform the work as described in

RFP 2020- 13 Scrap Metal Pickup and Freon removal

In accordance with accompanying "Information to Bidders" and "Form of Proposal, all of which form part of this agreement.

WITNESSETH that the "Municipality" agrees:

1. To provide the "Contractor" with the access to its land to such extent as may be necessary for the performance of the work under this contract.
2. To pay the "Contractor" as set forth in the "Information to Bidders" of this Contract.

IN WITNESS WHEREOF the "Contractor" and the "Municipality" have respectively affixed their corporate seals in the hands of their proper officers on the day and year first above written.

SIGNED, SEALED and DELIVERED in the Presence of:

"CONTRACTOR"

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

All Ontario Recycling
Name of Contractor (Print)

Michelle Hendry
CAO/Clerk, Michelle Hendry

[Signature]
Signature of Contractor

Aug 6 / 20
Date

Shayne
Witness

July 23/2020
Date



21 Church Street
Dunchurch, Ontario P0A 1G0
Phone: 705-389-2466 ~ Fax: 705-389-1855
www.whitestone.ca
E-mail: info@whitestone.ca

The Corporation of the Municipality of Whitestone

REQUEST FOR PROPOSAL

RFP 2020-13

Scrap Metal and Freon Removal

Deadline for Submission:

Thursday, June 25, 2020 @2:00 p.m.

All inquiries regarding this request for Proposal shall be directed to

Michelle Hendry
CAO/Clerk,

at 705-389-2466 or
michelle.hendry@whitestone.ca

Municipality of Whitestone
21 Church Street
Dunchurch, ON
P0A 1G0

The Municipality of Whitestone reserves the right to reject any or all Proposals.
The lowest or any Proposal not necessarily accepted.

INFORMATION TO BIDDERS

1) Registration, Delivery and Opening of Proposals

Bidder's name, address, telephone number and email address shall be recorded on the "Request for Proposal Obtained Register" and contract documents and plans (where applicable) will be issued thereafter.

Proposals, sealed in an envelope and **clearly** marked with the project/contract title, the project/contract number and Submitter's name, will be received by The Corporation of the Municipality of Whitestone, 21 Church Street, Dunchurch, ON until **2:00 p.m.**, Local Time on the advertised closing date for receipt of Proposals. The use of the mail for delivery of a Proposal will be at the risk of the Submitter.

Proposals may be emailed to michelle.hendry@whitiestone.ca

2) Disqualification of Proposals

Under no circumstances will Proposals be considered which:

- a) are received after the advertised closing date and time for Proposals.
- b) are sent by fax
- c) are submitted by Submitters **not** on the "Request for Proposal Obtained Register".

3) Withdrawal or Qualifying of Proposals

A bidder who has already submitted a Proposal may submit further Proposals at any time up to the official closing time. The last Proposal received shall supersede and invalidate all Proposals previously submitted by that bidder for this contract.

4) Informal or Unbalanced Proposals

All entries in the "Form of Proposal" shall be made in ink, by typewriter or by printer. Un-initialed entries or changes made in pencil shall be deemed invalid.

Proposals which are incomplete, illegible or obscure, or that contain additions not called for, erasures, alterations (unless properly and clearly made and initialed by the bidder's signing officer), or irregularities of any kind, shall be rejected. The Corporation of the Municipality of Whitestone reserves the right to waive formalities at its discretion.

Bidders who have submitted Proposals that have been rejected by The Corporation of the Municipality of Whitestone because of informalities will be notified of the reasons for the rejection within ten (10) days after the closing date for Proposals.

Proposals that contain prices which appear to be so unbalanced as likely to affect adversely the interests of The Corporation of the Municipality of Whitestone may be rejected. Wherever in a Proposal the amount Quoted for an item does not agree with the extension of the estimated quantity and the Quoted unit price, the unit price shall govern and the amount and the Total Proposal Price shall be corrected accordingly, unless otherwise decided by The Corporation of the Municipality of Whitestone.

If a Submitter has omitted to enter a price for an item of work set out in the "Form of Proposal", he/she, unless he/she has specifically stated otherwise in his/her Proposal, will be deemed to

have allowed elsewhere in the *"Form of Proposal"* for the cost of carrying out the said item of work and, unless otherwise agreed to by The Corporation of the Municipality of Whitestone, no increase shall be made in the total Proposal Price on account of such omission.

5) Proposal

Each Proposal shall include the *"Information to Bidders"* and a completed *"Form of Proposal"*, together with any further forms or sheets which the Submitter is instructed elsewhere herein, or in any addendum hereto, to submit with this Proposal.

6) Omissions, Discrepancies and Interpretations

Should a bidder find omissions from or discrepancies in any of the Proposal documents or should he/she be in doubt as to the meaning of any part of such documents, he/she shall notify the **CAO/Clerk**, preferably in writing and not later than (4) four days before the closing date for Proposals. If the **CAO/Clerk** considers that a correction, explanation or interpretation is necessary or desirable, he/she will issue an Addendum to all who are listed on the *"Request for Proposal Obtained Register"*. No oral examination or interpretation shall modify any of the requirements or provisions of the Proposal documents.

The bidder also declares that in Quoting for the work and in entering into the contract he/she did not and does not rely upon information furnished by The Corporation of the Municipality of Whitestone or any of its servants or agents respecting the nature or confirmation of the ground at the site of the work, or the location, character, quality or quantity of the materials to be removed, or to be employed in the construction of the work, or the character of the equipment or facilities needed to perform the work, or the general and local conditions and all other matters which could in any way affect the performance of the work under the contract other than information furnished in writing for, or in connection with the Proposal or the contract by The Corporation of the Municipality of Whitestone, except information specifically excluded from this sub-section.

7) Quantities are Estimated

The quantities shown for unit price items in the *"Form of Proposal"* are estimates only and are the sole purpose of establishing a dollar amount based on unit price. For materials supplied on a unit price basis, the Contractor will be paid for the actual measured quantities at the respective unit prices Quoted.

8) Right to Accept or Reject Proposals

The Corporation of the Municipality of Whitestone shall not be responsible for any liabilities, costs, expenses, loss or damages incurred, sustained or suffered by any bidder prior or subsequent to or by reason of the acceptance or the non-acceptance by The Corporation of the Municipality of Whitestone of any Proposal or by reason of any delay in the acceptance of a contract being prepared and executed.

The Corporation of the Municipality of Whitestone reserves the right to reject any or all Proposals and to waive formalities, as the interests of The Corporation of the Municipality of Whitestone may require, without stating the reasons and the lowest or any Proposal will not necessarily be accepted.

9) Agreement and Contract Execution

If the successful bidder fails to provide The Corporation of the Municipality of Whitestone, within the ten-day period, the executed agreement, together with requirements as specified within, The Corporation of the Municipality of Whitestone may accept another Proposal, advertise for new Proposals, negotiate a contract or not accept any Proposal, as The Corporation of the Municipality of Whitestone may deem advisable.

10) Workplace Safety and Insurance Board (WSIB) and Provincial Retail Sales Tax Requirements

The contractor shall at the time of entering into this contract with The Corporation of the Municipality of Whitestone, make a statutory declaration or furnish a satisfactory clearance letter from the Workplace Safety and Insurance Board stating that all assessments or compensation payable to the Workplace Safety and Insurance Board have been paid.

The selected bidder shall submit such statutory declaration or clearance letter to The Corporation of the Municipality of Whitestone in duplicate together with the Agreement executed by the said Submitter. One copy of the statutory declaration or clearance letter shall be attached to each of the two executed sets of the contract.

The proponent certifies that it has met all of its obligations to comply with Workplace Safety and Insurance Board and Provincial Retail Sales Tax requirements, so that it is able to do business in Ontario.

11) Proof of Ability and Sub-Contractors

In order to aid The Corporation of the Municipality of Whitestone in determining the responsibility of each bidder, the bidder shall complete the following statement sheets which are attached herein:

Statement "A" stating the bidders experience in similar work which he/she has successfully completed.

Statement "B" stating the work and equipment the bidder proposes to use to perform the work.

Statement "C" giving a list of any sub-contractor who will be carrying out any part of this contract. This list shall show the names of the proposed sub-contractors and for what work each sub-contractor will be responsible

12) Occupational Health and Safety

For the purposes of the Occupational Health and Safety Act, the successful bidder is considered to be the "constructor" as defined in the Act. It is specifically drawn to the attention of the bidder that the *Occupational Health and Safety Act* provides, in addition to other things:

a) THAT the measures and procedures prescribed by this Act and the regulations are carried out on the project;

b) THAT every employer and every worker performing work on the project complies with this Act and regulations; and

c) THAT the health and safety of workers on the project is protected.

13) Inquiries During Quoting

Bidders are advised that inquiries regarding the Proposal documents shall be directed to:
Michelle Hendry, CAO/Clerk 705-389-2466

14) Insurance

General liability insurance in the amount of at least **\$2,000,000.00** coverage for any one claim must be carried by the contractor. In addition, The Corporation of the Municipality of Whitestone shall be named as an additional insured party. Both owned and non-owned vehicles employed under this contract will require a minimum of **\$2,000,000.00** coverage in any one claim, showing The Corporation of the Municipality of Whitestone as one of the insured parties. The Submitter to whom this contract is awarded shall supply The Corporation of the Municipality of Whitestone with proof of insurance and a copy of the policy prior to the signing of the contract by Municipal officials and provide coverage throughout the term of the contract in the amounts specified.

15) Hold Harmless

The contractor shall be responsible for any and all damages, or claims for damages or injuries or accidents done or caused by him/her or his/her employees or resulting from the prosecution of the works, or any of his/her operations, caused by reason of the existence or location or condition of works, or of any materials, plant, or machinery used therein or which may happen by reason thereof or arising from any failure, neglect or omission on his/her part, or on the part of any of his/her employees to do or perform any or all of the several acts or things required to be done by him/her or them under this agreement and by these conditions and covenants and agrees to hold The Corporation of the Municipality of Whitestone harmless, and indemnified for all such damages and claims for damage.

16) Additional Work

a) All unforeseen and/or additional work to be performed by the contractor must be approved by the **CAO/Clerk** (or her designate), prior to commencement of the work.

b) All additional work, of similar nature to this contract, shall be charged at the contract unit price.

17) Method of Payment

Payment will be processed within thirty (30) days of the satisfactory completion of the work (Freon Removal fee)

The payment to the Municipality (revenue sharing) shall be paid within thirty (30) days of the pickup of the scrap metal.

18) Anticipated Start Date

The anticipated start date for this contract will be at the call of the CAO/Clerk and the successful bidder will be notified upon receipt of appropriate documentation exactly when the project will commence.

19) Term of Contract

One (1) year

SPECIAL PROVISIONS

1. The Request for Proposal is to seek qualified companies for the collection and recycling of scrap metals, white goods (large appliances). Scrap Metal pickup services for the Municipality of Whitestone will be at the following locations:
 - a. York Street Landfill Site and
 - b. Aulds Road Landfill Site
2. Scrap Metal shall be picked up at the site when the Municipality determines it to be necessary (ie space is at a premium) and will provide minimum 72 hours of notice to the contractor.

Scrap metal will be stored/stacked on the ground (not in a bin)
3. The Scrap metal revenue will be shared with the Municipality. Proof of weight (i.e. original weigh tickets dated the day of pickup) shall be submitted to the Municipality.
4. The contractor shall provide Freon Removal services for refrigerators, freezers, air conditioners etc. and other appliances as needed, by a certified Freon removal technician. Appliances shall be tagged accordingly and the municipality will be provided proof of the Freon removal. The appliance will then become part of the scrap metal available for pickup. Freon removal services will be provided as needed by the Municipality with 72 hours notice to the contractor.
5. Evaluation of Bids. The following criteria will be used in the evaluation of the bids:
 - Proponents Background, Experience & Facilities
 - Proof that the proponent is fully qualified to perform the work required, has properly licensed facilities and personnel.
 - Documentation (MOECC Registration numbers) etc.
 - Monetary Recovery to the Municipality
 - Formulae and current unit/item prices for each area of recycling.
 - Pick-up Schedules and proposed Communication of such to Municipality
 - Proponents References for similar work with other Municipalities.
 - Assistance needed from Municipal staff.
 - Ideally, the Municipal staff should not be required to assist with pick up.

DRAFT FORM OF AGREEMENT

THIS AGREEMENT made in duplicate this 24 day of JUNE 2020

BETWEEN:

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

hereinafter called the "Municipality" of the FIRST PART
and

All Ontario Recycling Inc.

hereinafter called the "Contractor" of the SECOND PART

WITNESSETH that the "Contractor" for and in consideration of the payment provided herein to be made to the "Contractor" by the "Municipality", shall supply all labour, materials and equipment required to perform the work as described in

RFP 2020- 13 Scrap Metal Pickup and Freon removal

In accordance with accompanying "Information to Bidders" and "Form of Proposal, all of which form part of this agreement.

WITNESSETH that the "Municipality" agrees:

1. To provide the "Contractor" with the access to its land to such extent as may be necessary for the performance of the work under this contract.
2. To pay the "Contractor" as set forth in the "Information to Bidders" of this Contract.

IN WITNESS WHEREOF the "Contractor" and the "Municipality" have respectively affixed their corporate seals in the hands of their proper officers on the day and year first above written.

SIGNED, SEALED and DELIVERED in the Presence of:

"CONTRACTOR"

THE CORPORATION OF THE MUNICIPALITY OF WHITESTONE

All Ontario Recycling
Name of Contractor (Print)

[Signature]
Signature of Contractor

[Signature]
Witness STEVE BEST

JUNE 24 / 2020
Date

CAO/Clerk

_____ Date

FORM OF PROPOSAL

The bidder has carefully examined the Information to Bidders and accepts the said Provisions, Specifications and Conditions and hereby states that the prices set forth in this Proposal includes full compensation to furnish all machinery, tools, apparatus and other means of construction to complete the work required.

Notification of acceptance may be given and delivery of the "Form of Agreement" made by prepaid post, addressed to the bidder at the address contained in this Proposal.

Project Description: Scrap Metal Pickup and Freon removal

Project Location: York Street Landfill and Auld's Road Landfill

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL Price (excluding HST)
1	Freon removal	Per item	TBD	15.00	15.00 / PR UNIT

		UNIT	QUANTITY	Cost Sharing Formula	TOTAL Price (excluding HST)
2	Scrap metal	Tonne	TBD	Municipal Share _____% Contractor Share _____%	PLEASE SEE SCHEDULE 1 SCHEDULE 2

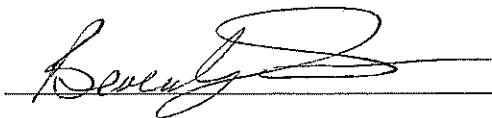
Other considerations in respect of your proposal can be submitted on a separate sheet of paper, labeled accordingly, signed and dated.

Offered on behalf of:

Contractor: ALL ONTARIO RECYCLING INC


Address: 211 MUSKOKA RD 10
PORT SYDNEY, ON P0B 1L0

Telephone: 705 385-0933

Authorized Signature: 

Seal:

Name (Print): Beverly Swan

Witness: 
STEVE BEST

Date: June 24/2020

FORM OF PROPOSAL
STATEMENT "A"
Bidders Experience

As an integral part of this Proposal, the bidder shall list here his/her experience in work of a similar nature to that being Proposal, which he/she, has successfully completed.

YEAR	DESCRIPTION OF CONTRACT	FOR WHOM PERFORMED	APPROXIMATE VALUE
2019	Scrap Metal Removal	District of Muskoka	\$214,000/Yr
2019	Scrap Metal Removal	County of Simcoe	\$435,000/Yr
2019	Scrap Metal Removal	V&R Recycling	\$2,550,000/Yr

FORM OF PROPOSAL
STATEMENT "B"
Proposed Work and Equipment

As an integral part of this Proposal, the bidder shall provide below, a statement of the work and equipment he/she proposes to use for the work.

WORK:

EQUIPMENT:

Truck Scrap Metal Removal

- 1) 2021 Peterbilt 567 Truck
- 2) 2020 Deloupe 53' Metal Trailer
- 3) 2019 Cat 3026 Material Handler
(Rubber wheel to prevent damage to ground)

Freon Removal

YJ LTE Yellow Jacket
Freon Removal & Recovery Unit

FORM OF PROPOSAL
Schedule One

As an integral part of this Proposal, the bidder is providing below, a price proposal for Scrap Metal Removal.

All Ontario Recycling Inc (AOR)., propose to purchase scrap metal located at your TWO (2) waste facility locations, operated by the Municipality of Whitestone, as described in the RFP-202-13 for \$82.00/ton off posted price per Imperial (ton) for shred auto scrap in Hamilton.

Calculation/Formula (example)

June 23, 2020

Post Rate: \$187.00

187-82/ton = 105/Ton (2000 lbs)

105 x 1.102 = 115.71/Tonne (2204 lbs)

Trailers hold 28 Tonnes @ 115.71 = \$3,239.88 +HST (\$421.19) = **\$3661.06**, as of the 23rd of June.

AOR will supply cost of posted AIM rate with each load/scale ticket, and will accompany payment.

SCHEDULE 2

- Home
- News
- Pricing**
- Magazine
- About Our Prices
- Subscribe
- Classifieds
- Sponsor

- Price Tracker
- Methodology
- FAQ
- Monthly Averages
- Pricing Notices
- Notices
- Corrections
- Data S

Home > Pricing > Price Tracker > My Prices

- Search Prices
- My Prices**
- Exchange Prices
- Stats & Data

You have 1 saved price

View Latest/Past prices

Past Daily Prices (06/23/2020) ▼

View Prices

Reset

All markets Steel scrap shredded auto scrap, consumer
buying price, delivered mill Hamilton,
Canadian \$/net ton

Canada Dollar/Net Ton

Low High Mid

06/23/2020 187 187

Scrap Metal Budget and Revenue
(from Audited Financial Statements posted on the website)

	Budget	Revenue
2021	-	\$39,475
2022	\$25,000	\$29,190
2023	\$29,000	\$22,118
2024	\$20,000	\$11,977

July 8 2024 WESC Resolution 2024-21WESC:

Resolution No. 2024-21WESC

Moved by: Dennis Morrison

Seconded by: Councillor Woods

WHEREAS members of the Environmental Stewardship Committee have reviewed the Terms of Reference and highlighted updates;

BE IT RESOLVED THAT the Environmental Stewardship Committee agree to the Terms of Reference updates as highlighted and discussed

CARRIED

The Terms of Reference were updated to align with the Procedural By-law No. 80-2023.



Environmental Stewardship Committee (WESC)

Terms of Reference – (Updated ~~July 2024~~ April 2023)

1. Purpose

1. To address environmental concerns within the Municipality of Whitestone, and to coordinate and assist efforts of the various conservation and lake associations within its bounds that have complementary mandates.

2. Key Duties and Responsibilities

1. Define common conservation issues, objectives, and priorities;
2. Define common measurements (e.g., of water quality);
3. Share their issues, knowledge, and experience;
4. Develop and maintain environmental stewardship work plans;
5. Collaborate to achieve common objectives;
6. Make recommendations to Council regarding support for new and existing conservation initiatives;
7. Measure and report progress against objectives;
8. Advocate and communicate to the community on environmental issues.

3. Constituency & Qualifications of Committee ~~Task Force~~ Members

1. Members to be appointed by Council as follows:
 - (i) Maximum two (2) members of Council;
 - (ii) Maximum twelve (12) additional members of the public.

2. Appointees should have an interest in environmental conservation and should be prepared to act as liaison with, and to enlist the support of volunteers within, their respective organizations.

3. Encouraged representation from the following:
 - a. Lake associations, conservation associations, road association, community organizations, First Nations, members of the public and others

4. Chair ~~and~~ Vice Chair and Recording Secretary

1. Chair and Vice Chair to be selected by Committee Task Force members at first meeting or upon resignation of the position and ratified by Council.
2. Duties of Chair:
 - Schedule and convene meetings of the Committee
 - Chair meetings of the Committee
 - Present brief progress / status reports to Council as appropriate or requested
 - Maintain vitality of Committee roster through succession planning
 - Prepare meeting Agendas, and solicit agenda items from members
3. Duties of Vice Chair:
 - Chair Committee meetings in absence of Chair
 - Assist Chair as required
 - Act in the Chair position when the Chair is absent or unable to perform their duties
4. Duties of Recording Secretary
 - Record Committee meetings via note-taking
 - Submit draft meeting minutes to Municipal Staff in advance of the next meeting
 - Assist in the Teleconferencing / videoconferencing facilities when made available for members
 -

5. Term of Appointments

1. Term of Council
2. In the event of a member's resignation or inability to serve, a replacement will be sought for the balance of the Council term.
3. No term limits will be imposed; however, succession planning will be completed at the end of each Council term.

6. Quorum

1. 50% plus 1 member

7. Meeting Frequency ~~&~~ Time Commitment and Meeting Types

1. The Committee will meet in person or by teleconference as required to advance its work plan in a timely manner. Setting the next meeting date will be an agenda item for each regular meeting.

2. In addition to regularly scheduled meetings, the Committee may hold special meetings (for example, for site visits).
3. The estimated time commitment for Committee members, including preparation for meetings, is four (4) hours per month.
4. Mutually convenient meeting times will be determined by the Chair in consultation with the Committee members.
5. Audio Teleconferencing / Videoconferencing facilities may be made available for members unable to attend in person, however – Audio / Videoconferencing facilities may not be made available for all meetings.
6. The meetings if or when made available via Audio / Videoconferencing facilities, will not be recorded or videoed and Audio / Video recordings of the meeting will not be made available.
- 5-7. Members are encouraged to attend meetings to the best of their abilities.

8. Operational year time frame

1. January – December

9. Staff Support / Advisor(s)

1. To be determined, as required and as requested by the Committee.



MEMO

To:	Paula Macri
From:	Jamie Robinson, BES, MCIP, RPP Partner
Date:	November 27, 2024
File:	23217N
Subject:	Official Plan 5 Year Review and Comprehensive Zoning By-law

This memorandum is prepared in response to the Council resolution from the November 19th Council meeting wherein Council resolved to award the contract for the Official Plan Review and Comprehensive Zoning By-law update to MHBC Planning provided their price was reduced by \$10,000.00.

MHBC's original proposal was to complete the project at a cost of \$67,256.25 for the Official Plan and \$64,518.75 for Zoning By-law. Which results in a total budget of \$131,775.00 not including HST.

MHBC is prepared to complete the project for a cost of \$62,465.63 for the Official Plan and \$59,268.75 for the Zoning By-law for a total cost of \$121,734.38. This is a reduction of \$10,040.63.

Updated budget tables are attached to this correspondence.

Yours truly,

MHBC

Jamie Robinson, BES, MCIP, RPP
 Partner

Attachments

Figure 3 - Budget

Municipality of Whitestone - Official Plan Review



#	Task	JR	PT	PL	Tech	Total Days	JR	PT	PL	Tech	Total by Task
		Days	Days	Days	Days		Fees	Fees	Fees	Fees	
Phase 1 - Background Research & Review											
1	Start-up Meeting with Municipal Staff										
2	Review of Background Information, Provincial Legislation and Plans										
3	Provincial Pre-Consultation - Identify Conformity/Policy Issues										
4	Project Initiation Meeting with Council/Section 26 of Planning Act										
5	Launch of Website/Communications and Engagement Plan										
6	Meeting(s) with Indigenous Communities										
Phase 2 - Summary Report and First Draft											
7	Discussion Paper - preparation and release to public for comments										
8	Presentation of Discussion Paper										
Phase 3 - Draft Official Plan											
9	Preparation of Draft Policies and Official Plan Schedules										
10	Open House										
Phase 4 - Adoption of the Final Plan											
11	Meeting with Municipal Staff										
12	Preparation of Final Official Plan Update										
13	Statutory Public Meeting										
14	Adoption of Official Plan										
Phase 5 - Submission to MMAH for Approval											
Total											

Total Cost	
Professional Fees	\$ 59,465.63
Expenses	\$ 3,000.00
Sub Total	\$ 62,465.63
HST	\$ 8,120.53
Total	\$ 70,586.16

Figure 4 - Budget

Municipality of Whitestone - Comprehensive Zoning By-law Review



#	Task
Phase 1 - Background Review	
1	Start-Up Meeting with Municipal Staff
2	Communication and Engagement Plan
3	Review and Identify Issues
4	Virtual Meeting to Provide Introduction to the Zoning By-law Review
5	Review Historic Amendments, Minor Viance and OLT Decisions
6	Mapping Updates
7	Review of Definitions, Diagrams and Standards
Phase 2 - Proposed Issues Direction	
8	Technical Memorandum
9	Council Workshop
Phase 3 - Draft Zoning By-law	
10	First Draft of Updated Zoning By-law
11	Review First Draft with Municipal Staff
12	Open House #1
13	Second Draft of Zoning By-law
14	Meeting with Council
15	Statutory Open House
Phase 4 - Final Zoning By-law	
16	Statutory Public Meeting
17	Finalize Zoning By-law
18	Council Enactment
Total	

Total Cost	
Professional Fees	\$ 56,268.75
Expenses	\$ 3,000.00
Sub Total	\$ 59,268.75
HST	\$ 7,704.94
Total	\$ 66,973.69

CORRESPONDENCE

RESOLUTION NO.: 2024-105



DATE: October 16, 2024

CARRIED: ✓

DEFEATED: _____

<u>MOVED BY:</u>	<u>DIVISION LIST</u>	<u>FOR</u>	<u>AGAINST</u>
<u>Councillor Blower</u>	Councillor Blower	_____	_____
	Councillor Constable	_____	_____
<u>SECONDED BY:</u>	Councillor Hamer	_____	_____
	Councillor Ryman	_____	_____
<u>Councillor Ryman</u>	Mayor Robinson	_____	_____

WHEREAS the Parry Sound Area Planning Board is the delegated authority for the Corporation of the Municipality of McDougall with respect to Consents, plans of subdivision/condominium and validation applications.;

AND WHEREAS the Municipality of McDougall seeks autonomy in land use planning that would prevent delays and speed up the planning process within its boundaries.;

AND WHEREAS the Municipality of McDougall has a full time Professional Planner on staff;

NOW THEREFORE BE IT RESOLVED that the Council of the Corporation of the Municipality of McDougall officially request the Minister of Municipal Affairs and Housing remove the Municipality of McDougall from the Parry Sound Area Planning Board and grant the Council of the Municipality of McDougall the power to give approvals with respect to Consents, plans of subdivision/condominium and validation applications within the Municipality of McDougall municipal borders.;

AND FURTHERMORE that a copy of this resolution be sent to Paul Calandra, Minister of Municipal Affairs and Housing, Graydon Smith, MPP Parry Sound-Muskoka, the Parry Sound Area Planning Board and its member municipalities.

211 of 264 

MAYOR



CORPORATION OF THE TOWNSHIP OF MCKELLAR

DATE: November 5, 2024

RESOLUTION No. 24-584
AGENDA ITEM No. 19.3

Moved by: Mike Bell

Seconded by: Debbie Zulah

WHEREAS the Municipality of McDougall has submitted a request to the Minister of Municipal Affairs and Housing to permit its withdrawal from the Parry Sound Area Planning Board; and

WHEREAS the Township of Carling has made a similar request, which, if approved, would leave only the Township of McKellar and the Municipality of Whitestone as the remaining members of the Planning Board; and

WHEREAS McKellar and Whitestone, as smaller Municipalities, do not employ a dedicated in-house Planner due to the limited volume of consent applications, which does not justify the hiring of full-time planning staff; and

WHEREAS the potential dissolution of the Parry Sound Area Planning Board would impose substantial challenges and adverse effects on the remaining Municipalities, impacting their ability to effectively manage local planning needs;

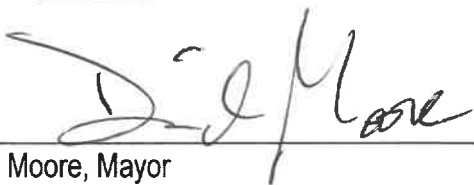
NOW THEREFORE BE IT RESOLVED THAT the Council of the Corporation of the Township of McKellar does not support the Municipality of McDougall's request to be removed from the Parry Sound Area Planning Board; and



CORPORATION OF THE TOWNSHIP OF MCKELLAR

FURTHER THAT a copy of this resolution be forwarded to the Municipality of McDougall, the Minister of Municipal Affairs and Housing, the Parry Sound Area Planning Board and all member Municipalities of the Parry Sound Area Planning Board for their information.

Carried Defeated Deferred



David Moore, Mayor

DIVISION VOTE

	YEA	NAY	ABSTAIN	ABSENT
Councillor Morley Haskim	_____	_____	_____	_____
Councillor Mike Kekkonen	_____	_____	_____	_____
Councillor Nick Ryeland	_____	_____	_____	_____
Councillor Debbie Zulak	_____	_____	_____	_____
Mayor David Moore	_____	_____	_____	_____

----- Original Message -----

From: TMrakas@aurora.ca

To: TMrakas@aurora.ca

Sent: Tuesday, October 29th 2024, 14:25

Subject: Motion - Fair Share

Good day Elected Official,

For many years, we have advocated for our fair share of funding from both Provincial and Federal governments. Through FCM and AMO, we've pushed for reforms and for sustainable, predictable funding for municipal infrastructure. With both Provincial and Federal elections approaching, I believe it's time for us to unite and propose a solution for municipalities' fair share.

As we're asked to meet growth targets, our municipalities urgently need predictable, long-term funding to support critical infrastructure, including roads, bridges, and public transit. We need all levels of government to collaborate on a solution that doesn't rely solely on property taxes to fund essential infrastructure in our communities. That's why we're calling on the Province to allocate a portion of the Land Transfer Tax, and on the Federal Government to allocate a portion of the GST from new home sales—no new taxes, just a fair distribution of our own funds for our communities!

Bellow is a Motion I respectfully ask you to bring forward at your council.

This motion ensures that we have the resources to build and maintain the infrastructure that keeps our municipalities running smoothly, without increasing property taxes.

Please consider adding this Motion to your Council agendas. It is essential that our collective voices are heard. Local governments deserve predictable, long-term funding to support critical infrastructure. Together, we can build a brighter future for all Ontarians.

Motion: Request the Redistribution of the Provincial Land Transfer Tax and GST to Municipalities for Sustainable Infrastructure Funding

Whereas municipalities face growing infrastructure needs, including roads, bridges, public transit, water systems, and other critical services, which are essential to community well-being and economic development; and

Whereas the current sources of municipal revenue, including property taxes and user fees, are insufficient to meet these increasing demands for infrastructure investment; and

Whereas the Province of Ontario currently collects the Land Transfer Tax (LTT) on property transactions in municipalities across the province, generating significant revenue that is not directly shared with municipalities; and

Whereas the Federal Government collects the Goods and Services Tax (GST) on property transactions, a portion of which could be directed to municipalities to address local infrastructure needs; and

Whereas redistributing a portion of the Provincial Land Transfer Tax and GST to municipalities would provide a predictable and sustainable source of funding for local infrastructure projects without creating a new tax burden on residents or homebuyers; and

Whereas a redistribution of a portion of the existing Land Transfer Tax and GST would allow municipalities to better plan and invest in long-term infrastructure initiatives, supporting local economic growth and improving the quality of life for residents;

1. Now Therefore Be It Hereby Resolved That Municipality Council formally requests the Provincial Government to consider redistributing a portion of the Land Transfer Tax collected on property transactions to municipalities; and
2. Be It Further Resolved That Municipality Council calls on the Federal Government to allocate a percentage of the GST collected on property sales to municipalities; and
3. Be It Further Resolved That this redistribution of the Land Transfer Tax and GST should be structured to provide predictable and sustainable funding to municipalities, allowing for better long-term planning and investment in infrastructure projects that benefit local communities, thus ensuring that local governments receive a fair share of the revenue to address critical infrastructure needs; and
4. Be It Further Resolved That copies of this resolution be forwarded to Prime Minister Justin Trudeau, Premier Doug Ford, the Ontario Minister of Finance, the Minister of Municipal Affairs and Housing, local Members of Parliament (MPs) and Members of Provincial Parliament (MPPs); and
5. Be It Further Resolved That copies of this resolution be forwarded to all 444 Municipalities in Ontario, the Federation of Canadian Municipalities (FCM), and the Association of Municipalities of Ontario (AMO) for their endorsement and advocacy.

Regards,

Tom Mrakas

Mayor Town of Aurora

416-543-1624



November 12, 2024

Resolution No. 333/2024

**THE CORPORATION OF THE TOWNSHIP OF MCGARRY
P.O. BOX 99,
VIRGINIATOWN, ON. P0K 1X0**

MOVED BY

[Handwritten signature]

SECONDED BY

[Handwritten signature]

Whereas municipalities face growing infrastructure needs, including roads, bridges, public transit, water systems, and other critical services, which are essential to community well-being and economic development; and

Whereas the current sources of municipal revenue, including property taxes and user fees, are insufficient to meet these increasing demands for infrastructure investment; and

Whereas the Province of Ontario currently collects the Land Transfer Tax (LTT) on property transactions in municipalities across the province, generating significant revenue that is not directly shared with municipalities; and;

Whereas the Federal Government collects the Goods and Services Tax (GST) on property transactions, a portion of which could be directed to municipalities to address local infrastructure needs; and

Whereas redistributing a portion of the Provincial Land Transfer Tax and GST to municipalities would provide a predictable and sustainable source of funding for local infrastructure projects without creating a new tax burden on residents or homebuyers; and

Whereas a redistribution of a portion of the existing Land Transfer Tax and GST would allow municipalities to better plan and invest in long-term infrastructure initiatives, supporting local economic growth and improving the quality of life for residents;

1. **Now Therefore Be It Hereby Resolved That** The Council of the Corporation of the Township of McGarry formally requests the Provincial Government to consider redistributing a portion of the Land Transfer Tax collected on property transactions to municipalities; and
2. **Be It Further Resolved That** The Council of the Corporation of the Township of McGarry calls on the Federal Government to allocate a percentage of the GST collected on property sales to municipalities; and
3. **Be It Further Resolved That** this redistribution of the Land Transfer Tax and GST should be structured to provide predictable and sustainable funding to municipalities, allowing for better long-term planning and investment in infrastructure projects that benefit local communities, thus ensuring that local governments receive their fair share of the revenue to address critical infrastructure needs; and

4. **Be It Further Resolved That** copies of this resolution be forwarded to Prime Minister Justin Trudeau, Premier Doug Ford, the Ontario Minister of Finance, the Minister of Municipal Affairs and Housing, local Members of Parliament (MPs) and Members of Provincial Parliament (MPPs); and
5. **Be It Further Resolved That** copies of this resolution be forwarded to all 444 Municipalities in Ontario, the Federation of Canadian Municipalities (FCM), and the Association of Municipalities of Ontario (AMO) for their endorsement and advocacy.

Defeated _____ / Carried Bonita Culhane
 Mayor Mayor

Recorded Vote	Requested by _____	
	YES	NO
Mayor Bonita Culhane	_____	_____
Councillor Louanne Caza	_____	_____
Councillor Elaine Fic	_____	_____
Councillor Annie Keft	_____	_____
Councillor Francine Plante	_____	_____

Corporation of the Township of Essa
5786 County Road 21
Utopia, Ontario
L0M 1T0



Telephone: (705) 424-9917
Fax: (705) 424-2367
www.essatownship.on.ca

November 21, 2024

**Re: Township of Essa Motion No. CR172-2024
Fair Share of Provincial and Federal Government Financial Support**

Please be advised that at its meeting of November 20, 2024, Council of the Township of Essa passed the following:

Resolution No: CR172-2024 Moved by: Sander Seconded by: Kiezebrink

WHEREAS municipalities face growing infrastructure needs, including roads, bridges, public transit, water systems, and other critical services, which are essential to community well-being and economic development; and

WHEREAS the current sources of municipal revenue, including property taxes and user fees, are insufficient to meet these increasing demands for infrastructure investment; and

WHEREAS the Province of Ontario currently collects the Land Transfer Tax (LTT) on property transactions in municipalities across the province, generating significant revenue that is not directly shared with municipalities; and

WHEREAS the Federal Government collects the Goods and Services Tax (GST) on property transactions, a portion of which could be directed to municipalities to address local infrastructure needs; and

WHEREAS redistributing a portion of the Provincial Land Transfer Tax and GST to municipalities would provide a predictable and sustainable source of funding for local infrastructure projects without creating a new tax burden on residents or homebuyers; and

WHEREAS a redistribution of a portion of the existing Land Transfer Tax and GST would allow municipalities to better plan and invest in long-term infrastructure initiatives, supporting local economic growth and improving the quality of life for residents;

NOW THEREFORE BE IT RESOLVED THAT Council of the Township of Essa formally requests the Provincial Government to consider redistributing a portion of the Land Transfer Tax collected on property transactions to municipalities; and further,

THAT Council of the Township of Essa calls on the Federal Government to allocate a percentage of the GST collected on property sales to municipalities; and

THAT this redistribution of the Land Transfer Tax and GST be structured to provide predictable and sustainable funding to municipalities, allowing for better long-term planning and investment in infrastructure projects that benefit local communities, thus ensuring that local governments receive a fair share of the revenue to address critical infrastructure needs; and

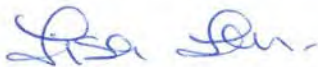
THAT copies of this resolution be forwarded to Prime Minister Justin Trudeau, Premier Doug Ford, the Ontario Minister of Finance, the Minister of Municipal Affairs and Housing, local Members of Parliament (MPs) and Members of Provincial Parliament (MPPs); and

THAT copies of this resolution be forwarded to all 444 Municipalities in Ontario, the Federation of Canadian Municipalities (FCM), and the Association of Municipalities of Ontario (AMO) for their endorsement and advocacy.

---Carried---

Your consideration and support to Ontario municipalities is appreciated.

Sincerely,



Lisa Lehr, CMO
Township of Essa



cc: Right Honourable Justin Trudeau, Prime Minister
Hon. Doug Ford, Premier
Hon. Peter Bethlenfalvy, Minister of Finance
Hon. Paul Calandra, Minister of Municipal Affairs and Housing
Brian Saunderson, MPP Simcoe-Grey
Terry Dowdall, MP Simcoe-Grey
All Ontario Municipalities
AMO



REGULAR COUNCIL MEETING

RESOLUTION

Tuesday, November 19, 2024

Resolution # RC24268	Meeting Order: 6
Moved by: 	Seconded by: 

WHEREAS municipalities face growing infrastructure needs, including roads, bridges, public transit, water systems, and other critical services, which are essential to community well-being and economic development; and

WHEREAS the current sources of municipal revenue, including property taxes and user fees, are insufficient to meet these increasing demands for infrastructure investment; and

WHEREAS the Province of Ontario currently collects the Land Transfer Tax (LTT) on property transactions in municipalities across the province, generating significant revenue that is not directly shared with municipalities; and

WHEREAS the Federal Government collects the Goods and Services Tax (GST) on property transactions, a portion of which could be directed to municipalities to address local infrastructure needs; and

WHEREAS redistributing a portion of the Provincial Land Transfer Tax and GST to municipalities would provide a predictable and sustainable source of funding for local infrastructure projects without creating a new tax burden on residents or homebuyers; and

WHEREAS a redistribution of a portion of the existing Land Transfer Tax and GST would allow municipalities to better plan and invest in long-term infrastructure initiatives, supporting local economic growth and improving the quality of life for residents;

NOW THEREFORE BE IT RESOLVED THAT Council of the Corporation of the Municipality of Wawa formally requests the Provincial Government to consider redistributing a portion of the Land Transfer Tax collected on property transactions to municipalities; and

BE IT FURTHER RESOLVED THAT Council of the Corporation of the Municipality of Wawa calls on the Federal Government to allocate a percentage of the GST collected on property sales to municipalities; and

p.2...



The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

BE IT FURTHER RESOLVED THAT this redistribution of the Land Transfer Tax and GST should be structured to provide predictable and sustainable funding to municipalities, allowing for better long-term planning and investment in infrastructure projects that benefit local communities, thus ensuring that local governments receive a fair share of the revenue to address critical infrastructure needs; and

BE IT FURTHER RESOLVED THAT copies of this resolution be forwarded to Prime Minister Justin Trudeau, Premier Doug Ford, the Ontario Minister of Finance, the Minister of Municipal Affairs and Housing, local Members of Parliament (MPs) and Members of Provincial Parliament (MPPs); and

FINALLY, BE IT RESOLVED THAT copies of this resolution be forwarded to all 444 Municipalities in Ontario, the Federation of Canadian Municipalities (FCM), and the Association of Municipalities of Ontario (AMO) for their endorsement and advocacy.

RESOLUTION RESULT		RECORDED VOTE		
<input checked="" type="checkbox"/>	CARRIED	MAYOR AND COUNCIL	YES	NO
<input type="checkbox"/>	DEFEATED	Mitch Hatfield		
<input type="checkbox"/>	TABLED	Cathy Cannon		
<input type="checkbox"/>	RECORDED VOTE (SEE RIGHT)	Melanie Pilon		
<input type="checkbox"/>	PECUNIARY INTEREST DECLARED	Jim Hoffmann		
<input type="checkbox"/>	WITHDRAWN	Joseph Opato		

Disclosure of Pecuniary Interest and the general nature thereof.

Disclosed the pecuniary interest and general name thereof and abstained from the discussion, vote and influence.

Clerk: _____

MAYOR - MELANIE PILON	CLERK - MAURY O'NEILL



TOWNSHIP OF
RUSSELL

C4

CERTIFIED RESOLUTION

Date: October 28, 2024

Item(s) no.: 10 a

Subject: Motion to request the Redistribution of the Provincial Land Transfer Tax and GST to Municipalities for Sustainable Infrastructure Funding

Moved by: Marc Lalonde

Seconded by: Lisa Deacon

WHEREAS municipalities face growing infrastructure needs, including roads, bridges, public transit, water systems, and other critical services, which are essential to community well-being and economic development; and

WHEREAS the current sources of municipal revenue, including property taxes and user fees, are insufficient to meet these increasing demands for infrastructure investment; and

WHEREAS the Province of Ontario currently collects the Land Transfer Tax (LTT) on property transactions in municipalities across the province, generating significant revenue that is not directly shared with municipalities; and

WHEREAS the Federal Government collects the Goods and Services Tax (GST) on property transactions, a portion of which could be directed to municipalities to address local infrastructure needs; and

WHEREAS redistributing a portion of the Provincial Land Transfer Tax and GST to municipalities would provide a predictable and sustainable source of funding for local infrastructure projects without creating a new tax burden on residents or homebuyers; and

WHEREAS a redistribution of a portion of the existing Land Transfer Tax and GST would allow municipalities to better plan and invest in long-term infrastructure initiatives, supporting local economic growth and improving the quality of life for residents;

1. **NOW THEREFORE BE IT HEREBY RESOLVED THAT** the Corporation of the Township of Russell Council formally requests the Provincial Government to consider redistributing a portion of the Land Transfer Tax collected on property transactions to municipalities; and

2. **BE IT FURTHER RESOLVED THAT** the Corporation of the Township of Russell Council calls on the Federal Government to allocate a percentage of the GST collected on property sales to municipalities; and

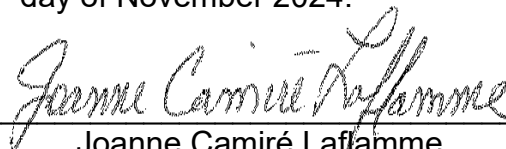
3. **BE IT FURTHER RESOLVED THAT** this redistribution of the Land Transfer Tax and GST should be structured to provide predictable and sustainable funding to municipalities, allowing for better long-term planning and investment in infrastructure projects that benefit local communities, thus ensuring that local governments receive a fair share of the revenue to address critical infrastructure needs; and

4. **BE IT FURTHER RESOLVED THAT** copies of this resolution be forwarded to Prime Minister Justin Trudeau, Premier Doug Ford, the Ontario Minister of Finance, the Minister of Municipal Affairs and Housing, local Members of Parliament (MPs) and Members of Provincial Parliament (MPPs); and

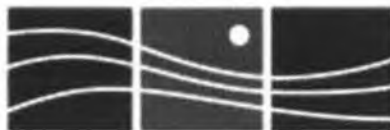
5. **BE IT FURTHER RESOLVED THAT** copies of this resolution be forwarded to all 444 Municipalities in Ontario, the Federation of Canadian Municipalities (FCM), and the Association of Municipalities of Ontario (AMO) for their endorsement and advocacy

MOTION APPROVED

I, Joanne Camiré Laflamme, Clerk of the Corporation of the Township of Russell, hereby certify that the foregoing is a true copy of the resolution adopted by the Council of the Corporation of the Township of Russell on the 12th day of November 2024.



Joanne Camiré Laflamme
Clerk



Belvedere Heights

Community Support Services Residences Long Term Care

October 7, 2024

Mayor George Comrie and Councilors
Municipality of Whitestone
21 Church St.
Dunchurch, ON POA 1G0

Dear Mayor Comrie and Council:

In May 2021, Belvedere Heights returned the proportionate share of \$700,000 to each of our 8 owner municipalities. At that time, the then Long-Term Care Act only allowed us to retain 15 per cent of our total revenue as an operating surplus equivalent to \$1.6M, which meant that our \$2.3M operating reserves had to be reduced by \$700,000.

Most of the 8 municipalities placed their share into reserves for Belvedere Heights, which then should be available to return to Belvedere Heights to support the addition of 22 new private rooms. We kindly request that you remit these funds as soon as you are able to help offset the architect and engineering costs incurred during 2024.

Please see the attached the ownership share apportionment used to return the funds to the Municipalities in May 2021. This same breakdown will be used as the backup for this request to return these amounts for each municipality as approved by the Board.

Sincerely,

Pam Wing, Carling Councillor
Chair, Belvedere Heights Board of Management

CC: CAO

**BELVEDERE HEIGHTS
LONG TERM CARE**

ADMINISTRATION
(705) 746-5871 • FAX (705) 774-7300

21 BELVEDERE AVENUE

NURSING DEPARTMENT
(705) 746-5871 • Extension 2
FAX (705) 774-7300

PARRY SOUND, ON P2A 2A2

COMMUNITY SUPPORT SERVICES
(705) 746-5602 or 1-800-883-0058
FAX (705) 774-7300

Belvedere Heights 2021 Levy Apportionment

Board Approved Levy
repayment March 2021
Levy 2021

2019
FIR 26A
Column 17

\$700,000

Municipalities	Weighted Assessment	% Distribution	Distributed Amount 2021
-----------------------	----------------------------	-----------------------	--------------------------------

Parry Sound	845,529,080	8.8120%	\$61,684
Carling	1,024,748,048	10.6798%	\$74,759
Whitestone	587,354,886	6.1214%	\$42,850
McDougall	744,399,378	7.7581%	\$54,307
McKellar	649,711,295	6.7712%	\$47,399
McMurrich-Montieth	221,094,343	2.3042%	\$16,130
Archipelago	2,089,910,184	21.7809%	\$152,466
Seguin	3,432,408,583	35.7723%	\$250,406
Totals	9,595,155,797	100.0000%	\$700,000

NOTE: The Ministry of Municipal Affairs and Housing website provided the 2019 FIR Data for the distribution calculation of Belvedere's 2021 Operating Levy



November 14, 2024

The Honourable Doug Ford
Premier of Ontario

Sent by email to premier@ontario.ca

Re: Resolution on Establishing an Ontario Rural Roads Safety Program

At its regular meeting of Council held on October 16, 2024, the Township of Amaranth Council passed the following motion:

Resolution #: 4

Moved by: A. Stirk

Seconded by: G. Little

BE IT RESOLVED THAT:

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario's already strained rural strained health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Township of Amaranth requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead. It will allow Ontario's rural municipalities to make

the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads; and

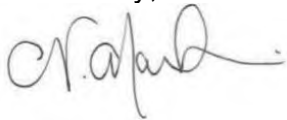
FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. Kinga Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, and Good Roads; and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

CARRIED

Please do not hesitate to contact the office if you require any further information.

Yours truly,

A handwritten signature in black ink, appearing to read 'Nicole Martin', written over a light blue horizontal line.

Nicole Martin, Dipl. M.A.
CAO/Clerk



THE CORPORATION OF THE TOWN OF PARRY SOUND
RESOLUTION IN COUNCIL

NO. 2024 – 178

DIVISION LIST

YES NO

DATE: November 5, 2024

- Councillor **G. ASHFORD**
- Councillor **J. BELESKEY**
- Councillor **P. BORNEMAN**
- Councillor **B. KEITH**
- Councillor **D. McCANN**
- Councillor **C. McDONALD**
- Mayor **J. McGARVEY**

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

MOVED BY:

SECONDED BY:

CARRIED: DEFEATED: _____ Postponed to: _____

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55%of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario’s already strained rural strained health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums and preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Town of Parry Sound requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead, allowing Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario’s rural roads; and

FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. Kinga Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, Hon. Sylvia Jones, Minister of Health, the Ontario Good Roads Association; and the Federation of Northern Ontario Municipalities (FONOM); and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

A handwritten signature in dark ink, appearing to read 'J. McGarvey', is written over a solid horizontal line. The signature is stylized and cursive.

Mayor Jamie McGarvey



MUNICIPALITÉ DE / MUNICIPALITY OF VAL RITA-HARTY
2 de l'Église Avenue Box 100 , Val Rita , Ontario , P0L 2G0

RESOLUTION

Agenda Item # 7.7 Pour soutenir la province, mettre en œuvre un programme de sécurité routière en milieu rural afin de réduire le nombre d'accidents mortels et de blessés./ To Support Province, implement a rural road safety program to reduce fatalities and injuries.

MOVED BY : Angèle Beauvais

Resolution # 24-124

SECONDED BY : Alain Tremblay

November 19, 2024

Que le conseil appuie la résolution visant à soutenir la Province dans la mise en œuvre d'un programme de sécurité routière en milieu rural afin de réduire les décès et les blessures.

ADOPTÉE

That council endorse the resolution to support Province, implement a rural road safety program to reduce fatalities and injuries.

CARRIED

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario's already strained rural strained health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums and preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Township of Val Rita-Harty requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead, allowing Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads; and

FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. Kinga Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, Hon. Sylvia Jones, Minister of Health, the Ontario Good Roads Association; and the Federation of Northern Ontario Municipalities (FONOM); and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

Municipalité de / Municipality of Val Rita-Harty



REGULAR COUNCIL MEETING

RESOLUTION

Tuesday, November 5, 2024

Resolution # RC24256	Meeting Order: 7
Moved by: <i>Cathy Cannon</i>	Seconded by: <i>Joseph Opato</i>

RESOLVED THAT Council for the Corporation of the Municipality of Wawa does hereby support the Resolution dated June 24, 2024 passed by the City of St. Catherine's, and Resolution dated October 16, 2024 from the Municipality of St-Charles regarding the Green Roads Pilot Project;

AND BE IT FURTHER RESOLVED THAT a copy of this Resolution be sent to the Association of Municipalities of Ontario (AMO); and all Ontario Municipalities.

RESOLUTION RESULT		RECORDED VOTE	
<input checked="" type="checkbox"/>	CARRIED	MAYOR AND COUNCIL	
<input type="checkbox"/>	DEFEATED		
<input type="checkbox"/>	TABLED		
<input type="checkbox"/>	RECORDED VOTE (SEE RIGHT)		
<input type="checkbox"/>	PECUNIARY INTEREST DECLARED		
<input type="checkbox"/>	WITHDRAWN		

Disclosure of Pecuniary Interest and the general nature thereof.

Disclosed the pecuniary interest and general name thereof and abstained from the discussion, vote and influence.

Clerk: _____

DEPUTY MAYOR - JIM HOFFMANN	CLERK - MAURY O'NEILL
<i>Jim Hoffmann</i>	<i>Maury O'Neill</i>

The Corporation of the Municipality of St. Charles
RESOLUTION PAGE



Regular Meeting of Council

Agenda Number: 8.4.

Resolution Number 2024-365

Title: Resolution Stemming from July 17, 2024 Regular Meeting of Council - Item 7.1 - Correspondence #7

Date: October 16, 2024

Moved by: Councillor Laframboise

Seconded by: Councillor Pothier

BE IT RESOLVED THAT Council for the Corporation of the Municipality of St.-Charles hereby supports the Resolution dated June 24, 2024 passed by the City of St. Catharines, regarding the Green Roads Pilot Project;

AND BE IT FURTHER RESOLVED THAT a copy of this Resolution be sent to the Association of Municipalities of Ontario (AMO); and all Ontario Municipalities.

CARRIED


MAYOR

June 27, 2024

Association of Municipalities of Ontario
155 University Ave | Suite 800
Toronto, ON M5H 3B7

Sent via email: resolutions@amo.on.ca

**Re: Green Roads Pilot Project
Our File 35.72.3**

To Whom it May Concern,

At its meeting held on June 24, 2024, St. Catharines City Council approved the following motion:

WHEREAS St. Catharines has declared a climate emergency, recognizing the urgent need to address and mitigate the impacts of climate change on our community and environment; and

WHEREAS alternatives to traditional road surfacing materials exist, including green roads technologies that are more sustainable and environmentally friendly; and

WHEREAS bioresin is a natural alternative that can be used to support road surfacing, providing a more sustainable option that reduces our reliance on petrochemical-based products; and

WHEREAS many secondary roads in St. Catharines require resurfacing, presenting an opportunity to explore and implement innovative and sustainable road surfacing solutions; and

WHEREAS Good Roads, the Association of Municipalities of Ontario (AMO), and the Federation of Canadian Municipalities (FCM) have presented alternatives for municipal road restoration that include sustainable and environmentally friendly materials and methods; and

WHEREAS other municipalities, such as Centre Wellington, have entered into a similar pilot project using bioresin and other sustainable materials, demonstrating a commitment to innovation and environmental stewardship; and

WHEREAS implementing pilot projects using bioresin on city roads can provide valuable data and insights into the feasibility, performance, and environmental benefits of this alternative material; and

WHEREAS the Federation of Canadian Municipalities (FCM) has established the Green Municipal Fund which includes new funding for pilot projects to test innovative and ambitious technologies to improve environmental outcomes;

THEREFORE BE IT RESOLVED that St. Catharines City Council directs staff to investigate the feasibility and potential benefits of using bioresin on City road works; and

BE IT FURTHER RESOLVED that staff investigate other alternative construction materials and methods for road works that minimizes the City's carbon footprint and are more environmentally sustainable; and

BE IT FURTHER RESOLVED that staff prepare a report on the findings, no later than Q3 2024, including potential costs, benefits, and environmental impacts of using bioresin or other sustainable construction materials or methods for road works, and if feasible, a list of City streets where a pilot project may be considered in accordance with the City's procurement policy; and

BE IT FURTHER RESOLVED that this resolution be sent to all Ontario municipalities, the Association of Municipalities of Ontario (AMO), and the FCM to encourage the exploration and adoption of sustainable road surfacing alternatives.

If you have any questions, please contact the Office of the City Clerk at extension 1524.



Donna Delvecchio, Acting City Clerk
Legal and Clerks Services, Office of the City Clerk
:sm

cc: all Ontario Municipalities



MUNICIPALITY OF
North Perth
 www.northperth.ca

A Community of Character

330 Wallace Ave. N., Listowel, ON N4W 1L3

Phone: 519-291-2950

Toll Free: 888-714-1993

November 8, 2024

The Honourable Doug Ford
 Premier of Ontario
 Legislative Building, Queen's Park
 Toronto, ON M7A 1A1
 Sent via email: premier@ontario.ca

Re: Establishment of an Ontario Rural Road Safety Program

Please be advised that the Council of the Municipality of North Perth passed the following resolution at their meeting on November 4th, 2024:

Moved by Lee Anne Andriessen **Seconded by** Neil Anstett

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario's already strained rural strained health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Municipality of North Perth requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead. It will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads; and

FURTHER THAT the Municipality of North Perth requests that the Government of Ontario invests in the rural road safety program that Good Roads has committed to lead; and



MUNICIPALITY OF

North Perth

www.northperth.ca

A Community of Character

330 Wallace Ave. N., Listowel, ON N4W 1L3

Phone: 519-291-2950

Toll Free: 888-714-1993

FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. King Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, and Good Roads; and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

If you have any questions regarding the above resolution, please do not hesitate to contact me.

Sincerely,

Lindsay Cline
Clerk/Legislative Services Supervisor

CC: Minister of Transportation
Minister of Infrastructure
Minister of Agriculture
Minister of Rural Affairs
Associate Minister of Emergency Preparedness and Response
Minister of Health
Good Roads
All municipalities in Ontario



November 12, 2024

Resolution No. 329/2024

**THE CORPORATION OF THE TOWNSHIP OF MCGARRY
P.O. BOX 99,
VIRGINIATOWN, ON. P0K 1X0**

MOVED BY

Blaine Fie

SECONDED BY

Francine Bente

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario's already strained rural strained health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Township of McGarry requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead. It will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads; and

FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. King Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, and Good Roads; and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

Defeated _____ / Carried Bonita Culhane
Mayor Mayor

Recorded Vote	Requested by _____	
	YES	NO
Mayor Bonita Culhane	_____	_____
Councillor Louanne Caza	_____	_____
Councillor Elaine Fic	_____	_____
Councillor Annie Keft	_____	_____
Councillor Francine Plante	_____	_____



PORT COLBORNE

Legislative Services

E6

Municipal Offices: 66 Charlotte Street
Port Colborne, Ontario L3K 3C8 · www.portcolborne.ca

T 905.228.8031 F 905.834.5746

E charlotte.madden@portcolborne.ca

November 18, 2024

Via Email: premier@ontario.ca

Honourable Doug Ford
Premier of Ontario
Legislative Building, Queen's Park
Toronto, ON M7A 1A1

Via Email: Prabmeet.Sarkaria@pc.ola.org

Honourable Prabmeet Singh Sarkaria
Minister of Transportation
777 Bay Street, 5th Floor
Toronto, ON M7A 1Z8

Dear Hon. Doug Ford, Premier of Ontario and Hon. Prabmeet Singh Sarkaria, Minister of Transportation:

Re: City of Port Colborne Resolution of Support for the Establishment of an Ontario Rural Road Safety Program – Ontario Good Roads Association

Please be advised that, at its meeting of November 12, 2024 the Council of The Corporation of the City of Port Colborne supported the following motion received from The Ontario Good Roads Association:

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario's already strained rural strained health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the City of Port Colborne requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to

lead. It will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads; and

FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. King Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, and Good Roads; and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

Sincerely,



Charlotte Madden
City Clerk

ec: Hon. Kinga Surma, Minister of Infrastructure,
Hon. Rob Flack, Minister of Agriculture,
Hon. Lisa Thompson, Minister of Rural Affairs,
Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response,
Hon. Sylvia Jones, Minister of Health,
Ontario Good Roads Association
All Ontario Municipalities



November 25, 2024

The Honorable Doug Ford
Premier of Ontario
Legislative Building, Queen's Park
Toronto, ON M7A 1A1

Sent by Email

Dear: Honorable Doug Ford

RE: Establishment of an Ontario Rural Road Safety Program.

The Council of the Corporation of Tay Valley Township at its meeting on November 19th, 2024, adopted the following resolution:

RESOLUTION #C-2024-11-22

MOVED BY: Fred Dobbie
SECONDED BY: Marilyn Thomas

“WHEREAS, official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario’s already strained rural health care system;

AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums

AND WHEREAS, preventing crashes can have a significant impact in improving municipal risk profiles;

NOW THEREFORE BE IT RESOLVED THAT, Tay Valley Township requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead, which will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads;

THAT, a copy of this resolution be forwarded to Premier Doug Ford, Honorable Prabmeet Sarkaria, Minister of Transportation, Honorable King Surma, Minister of Infrastructure, Honorable Rob Flack, Minister of Agriculture, Honorable Lisa Thompson, Minister of Rural Affairs, Honorable Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Honorable Sylvia Jones, Minister of Health, and Good Roads;

AND THAT, this resolution be circulated to all municipalities in Ontario requesting their support.”

ADOPTED

If you require any further information, please do not hesitate to contact the undersigned at (613) 267-5353 ext. 130 or deputyclerk@tayvalleytwp.ca

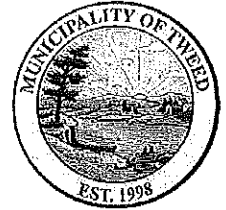
Sincerely,



Aaron Watt, Deputy Clerk

cc: Honorable Prabmeet Sarkaria, Minister of Transportation,
Honorable King Surma, Minister of Infrastructure,
Honorable Rob Flack, Minister of Agriculture,
Honorable Lisa Thompson, Minister of Rural Affairs,
Honorable Trevor Jones, Associate Minister of Emergency Preparedness and Response,
Honorable Sylvia Jones, Minister of Health,
Thomas Barakat, Good Roads Manager of Public Policy & Government Relations,
All Municipalities in Ontario.

**Municipality of Tweed Council Meeting
Council Meeting**



Resolution No. 588
Title: Ontario Good Roads Association
Date: Tuesday, November 12, 2024

Moved by J. Palmateer
Seconded by P. Valiquette

BE IT RESOLVED THAT Council support the Ontario Good Roads Association request for the Establishment of an Ontario Rural Road Safety Program;

AND FURTHER THAT Council direct staff to prepare a Resolution as follows:

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS, despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS, rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS, preventing crashes reduces the burden on Ontario's already strained rural strained health care system;

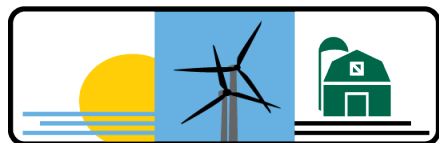
AND WHEREAS, roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Municipality of Tweed requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead. It will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads; and

FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. Kinga Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, and Good Roads; and

FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

Carried



TOWNSHIP OF
ASHFIELD-COLBORNE-WAWANOSH

82133 Council Line, R.R. #5
Goderich, Ontario N7A 3Y2

PHONE: 519-524-4669

FAX: 519-524-1951

E-MAIL: clerk@acwtownship.ca

November 19, 2024

via email: premier@ontario.ca

The Honourable Doug Ford
Premier of Ontario
823 Albion Road
Etobicoke, ON M9V 1A3

Dear Honourable Doug Ford:

At its meeting held on November 19, 2024, the Council of the Township of Ashfield-Colborne-Wawanosh adopted the following resolution with respect to Good Roads – Ontario Rural Road Safety Program:

Moved by Jennifer Miltenburg
Seconded by Wayne Forester

BE IT RESOLVED THAT Council receive the correspondence from the Good Roads Association regarding the establishment of an Ontario Rural Road Safety Program, for information;

AND THAT Council endorse and support the motion as circulated by the Good Roads Association, being:

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS preventing crashes reduces the burden on Ontario's already strained rural strained health care system; AND WHEREAS roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

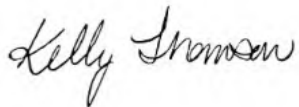
THEREFORE, BE IT RESOLVED THAT the Township of Ashfield-Colborne-Wawanosh requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead. It will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads;

AND FURTHER THAT a copy of this resolution be forwarded to Premier Doug Ford, Hon. Prabmeet Sarkaria, Minister of Transportation, Hon. King Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Hon. Lisa Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, and Good Roads;

AND FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

Your favourable consideration of this respectfully requested.

Sincerely,



Kelly Thomson
Deputy Clerk | Communications Co-ordinator

CC:

Minister of Transportation – Anita Anand anita.anand@parl.gc.ca
Minister of Infrastructure – Kinga Surma kinga.surma@pc.ola.org
Minister of Agriculture, Food and Agribusiness – Rob Flack rob.flack@pc.ola.org
Minister of Rural Affairs – Lisa M. Thompson lisa.thompsonco@pc.ola.org
Associate Minister of Emergency Preparedness and Response – Trevor Jones
trevor.jones3@ontario.ca
Minister of Health – Sylvia Jones sylvia.jones@pc.ola.org
MPP Lise Vaugeois lvaugois-qp@ndp.on.ca
Good Roads, Scott R. Butler, scott@goodroads.ca
Ontario Municipalities



The Corporation of the Township of Terrace Bay

P.O. Box 40, 1 Selkirk Avenue, Terrace Bay, ON, P0T 2W0

Phone: (807) 825-3315 Fax: (807) 825-9576

November 19, 2024

Premier Doug Ford
premier@ontario.ca

Dear Mr. Ford,

At the Township of Terrace Bay Regular Council Meeting held on Monday November 17, 2024 the following resolution of support was passed.

Re: Good Roads Association, Establishment of an Ontario Rural Road Safety Program

Resolution: 306-2024

Moved By: Councillor Johnson

Seconded By: Councillor Adduono

BE IT RESOLVED THAT Council receive the correspondence from the Good Roads Association regarding the establishment of an Ontario Rural Road Safety Program, for information;

AND THAT Council endorse and support the motion as circulated by the Good Roads Association, being:

WHEREAS official statistics from the Government of Ontario confirm that rural roads are inherently more dangerous than other roads;

AND WHEREAS despite only having 17% of the population, 55% of the road fatalities occur on rural roads;

AND WHEREAS rural, northern, and remote municipalities are fiscally strained by maintaining extensive road networks on a smaller tax base;

AND WHEREAS preventing crashes helps to alleviate the burden on Ontario's already strained rural health care system;

AND WHEREAS roadway collisions and associated lawsuits are significant factors in runaway municipal insurance premiums. Preventing crashes can have a significant impact in improving municipal risk profiles;

THEREFORE, BE IT RESOLVED THAT the Township of Terrace Bay requests that the Government of Ontario take action to implement the rural road safety program that Good Roads has committed to lead. It will allow Ontario's rural municipalities to make the critical investments needed to reduce the high number of people being killed and seriously injured on Ontario's rural roads;



The Corporation of the Township of Terrace Bay

P.O. Box 40, 1 Selkirk Avenue, Terrace Bay, ON, P0T 2W0
Phone: (807) 825-3315 Fax: (807) 825-9576

AND FURTHER THAT a copy of this resolution be forwarded to Hon. Doug Ford, Premier, Hon. Prabmeet Singh Sarkaria, Minister of Transportation, Hon. Kinga Surma, Minister of Infrastructure, Hon. Rob Flack, Minister of Agriculture, Food and Agribusiness, Hon. Lisa M. Thompson, Minister of Rural Affairs, Hon. Trevor Jones, Associate Minister of Emergency Preparedness and Response, and Hon. Sylvia Jones, Minister of Health, Hon. Lise Vaugeois, MPP, and Good Roads;

AND FURTHER THAT this resolution be circulated to all municipalities in Ontario requesting their support.

Sincerely,

J. Hall
Chief Administrative Officer/Clerk

CC:

Minister of Transportation – Anita Anand anita.anand@parl.gc.ca
Minister of Infrastructure – Kinga Surma kinga.surma@pc.ola.org
Minister of Agriculture, Food and Agribusiness – Rob Flack rob.flack@pc.ola.org
Minister of Rural Affairs – Lisa M. Thompson lisa.thompsonco@pc.ola.org
Associate Minister of Emergency Preparedness and Response – Trevor Jones
trevor.jones3@ontario.ca
Minister of Health – Sylvia Jones sylvia.jones@pc.ola.org
MPP Lise Vaugeois lvaugeois-gp@ndp.on.ca
Good Roads, Scott R. Butler, scott@goodroads.ca
Ontario Municipalities



The Corporation of the Township of Terrace Bay

P.O. Box 40, 1 Selkirk Avenue, Terrace Bay, ON, P0T 2W0
Phone: (807) 825-3315 **Fax:** (807) 825-9576

November 19, 2024

Minister of Health Sylvia Jones
sylvia.jones@ontario.ca

Dear Minister Jones,

At the Township of Terrace Bay Regular Council Meeting held on Monday September 16, 2024, the following resolution was put forth by Councillor Chris Dube and was passed.

Re: Ambulance Shortages and Healthcare System Issues

Resolution 266-2024

Moved by: Councillor Johnson

Seconded by: Councillor Dube

WHEREAS, the Council of the Corporation of the Township of Terrace Bay is gravely concerned about the ongoing shortages and staffing challenges facing Superior North EMS (SNEMS);

WHEREAS, the provincial funding for ambulance services, currently at 50%, along with the city's 50% contribution, has been falling short, leading to financial strain on municipalities and regional partners, including the City of Thunder Bay;

WHEREAS, the rolling shortages of paramedics and EMS personnel in the region present a significant risk to public safety and healthcare services in northern communities, which are disproportionately affected by the province-wide shortage of paramedics;

WHEREAS, recruitment and retention issues, including insufficient wages and benefits, lack of mental health supports, frequent exposure to traumatic experiences, and inadequate recovery time between work periods, are causing high turnover rates and burnout among EMS workers;

THEREFORE, BE IT RESOLVED THAT, the Honorable Sylvia Jones, Minister of Health, be requested to take immediate action to address the funding shortfalls and structural challenges in the delivery of EMS services in northern communities, including:

1. Increasing provincial funding to support EMS services and reduce the financial burden on municipalities;
2. Implementing incentives such as "learn and stay" grants to encourage paramedics to live and work in northern Ontario;
3. Enhancing support systems for EMS workers, including improved wages, benefits, and mental health resources.



The Corporation of the Township of Terrace Bay

P.O. Box 40, 1 Selkirk Avenue, Terrace Bay, ON, P0T 2W0
Phone: (807) 825-3315 Fax: (807) 825-9576

AND THAT, this resolution be forwarded to Minister Sylvia Jones, the Association of Municipalities of Ontario (AMO), and all Ontario municipalities.

Sincerely,

J. Hall
Chief Administrative Officer/Clerk

CC:
AMO
All Ontario Municipalities

November 4, 2024

SENT ELECTRONICALLY

The Honourable Doug Ford
Premier of Ontario
Legislative Building, Room 281
Queens Park
Toronto, ON M7A 1A1

The Honourable Sylvia Jones
Minister of Health / Deputy Premier
777 Bay Street, College Park, 5th Floor
Toronto, Ontario M7A 2J3

Dr. Kieran Moore
Chief Medical Officer of Health and Assistant Deputy Minister
College Park, 5th Floor, 777 Bay St.
Toronto, Ontario M7A 2J3

Dear Premier Ford, Minister Jones, and Dr. Moore:

RE: Recommendation for Provincial Oral Health Strategy, Including Evaluation of Current Funding Model.

On behalf of the Board of Health for the North Bay Parry Sound District Health Unit (Health Unit), please accept this correspondence recommending the development of a provincial oral health strategy that includes a remuneration model for dentists designed to promote equitable access to basic preventive and treatment services (whether delivered privately or in concert with public organizations); and an evaluation of the current funding model for oral health services to inform the aforementioned provincial oral health strategy.

Individuals who receive dental care are less likely to have chronic diseases, such as diabetes and heart disease and good oral health is an essential component of overall health status. Equity-seeking populations tend to have complex dental, social and logistical needs, requiring more intensive clinical and administrative resources. Access to publicly funded dental care varies by jurisdiction, whereby access is positively related to the number of providers accepting individuals with these benefits. It is increasingly common within the Nipissing and Parry Sound districts to have no dental providers accepting clients in receipt of publicly funded dental benefits. One reason for this is the provincial reimbursement model for publicly funded dental programs. A 2019 report from the Canadian Centre for Health Economics indicates that the benefits schedule provided by Ontario Disability Support Program (ODSP) represents 30 cents on the dollar for a dental practice. For Ontario Works (OW), dental benefits are noted as a 'discretionary health benefit', that is administered at the municipal level by OW administrators. Both ODSP and OW dental reimbursement fees are generally lower than the suggested fees from the Ontario Dental Association. This discrepancy in reimbursement between public and private insurance providers creates a compounded inequity for individuals and families attempting to access basic preventive and treatment services.

Our Health Unit provides the publicly funded Healthy Smiles Ontario (HSO) and the Ontario Seniors Dental Care

Programs (OSDCP), as well as a Low-income Adult Dental Program (based on local need). These programs are busy with high demand; however, we struggle to recruit and retain dentists as the compensation packages offered in local public health are not competitive with those of private practice. Our district does not have other publicly funded or subsidized dental clinics: we are often the only option. The reimbursement model for publicly funded dental services coupled with the disparity in dentist compensation between public and private sectors, creates a structural inequity for all individuals in receipt of publicly funded dental benefits.

At its meeting on September 25, 2025, the Board of Health carried the following resolution #BOH/2024/09/04:

Whereas, due to the higher earnings potential in private practice, the North Bay Parry Sound District Health Unit (Health Unit) faces difficulties in recruiting dentists, as the compensation packages offered in public health are less competitive than those in private practice; and

Whereas, the demand for basic dental services in the district is very high. Despite its relatively small size, the Health Unit offers one of the larger Oral Health programs among health units in Ontario. This includes the highly-utilized Ontario Seniors Dental Care Program (provincially mandated) and provision of a Low-Income Adult Dental Program (not mandated but based on local need) contributing to the large size of the Oral Health Program in addition to the Healthy Smiles Ontario program (mandated for low-income children and youth); and

Whereas, it is not yet known how or if the Federal dental program will impact the need and level of service in local communities; and

Whereas, equity-seeking populations tend to have complex dental, social and logistical needs, which require more intensive clinical and administrative resources. These challenges drive up the cost of oral care provision, dissuading private practitioners from accepting equity-seeking clients; and

Whereas, there is no central coordination of dental services across the province to ensure that the oral health workforce matches need, and that remuneration models and rates encourage equitable access to basic care across Ontario; and

Therefore, Be It Resolved, that the North Bay Parry Sound District Board of Health (Board of Health) recommends that the Ministry of Health develop a provincial oral health strategy that includes a remuneration model for dentists designed to promote equitable access to basic preventive and treatment dental services throughout the province (whether delivered privately or in concert with public organizations); and

Furthermore, Be It Resolved, that the Board of Health recommends that the Ministry of Health undertake an evaluation of the current funding model for Oral Health services to inform the above-recommended provincial oral health strategy; and,

*Furthermore, Be It Resolved, that the Board of Health provide correspondence of these resolutions to the Honourable Doug Ford (Premier), the Honourable Sylvia Jones (Ontario Minister of Health), Dr. Kieran Moore (Chief Medical Officer of Health), Victor Fedeli, MPP (Nipissing), Graydon Smith, MPP (Parry Sound-Muskoka), John Vanthof, MPP (Timiskaming-Cochrane), Michael Sherar (President and CEO of Public Health Ontario), Ontario Boards of Health and **the Association of Local Public Health Agencies (ALPHA), Association of Municipalities of***

To: Doug Ford, Minister Jones and, Dr. Moore

Page 3/3

Date: November 4, 2024

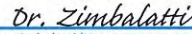
Ontario, The District of Parry Sound Municipal Association, and member municipalities.

Sincerely,



Rick Champagne (Nov 7, 2024 13:42 EST)

Rick Champagne
Chairperson, Board of Health



Dr. Zimbalatti (Nov 4, 2024 11:05 EST)

Carol Zimbalatti, M.D., CCFP, MPH
Medical Officer of Health/Executive Officer

/al

Copy to:

Vic Fedeli, MPP, Nipissing
Graydon Smith, MPP, Muskoka-Parry Sound
John Vanthof, MPP, Timiskaming-Cochrane
Michael Sherar (President and CEO of Public Health Ontario)
Boards of Health of Ontario
Association of Municipalities of Ontario (AMO)
The District of Parry Sound Municipal Association
Health Unit Member Municipalities

Head Office

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for all offices:
705.472.8170

Toll free:
1.800.278.4922

Web site:
www.nearnorthschools.ca

VIA EMAIL and MAIL

October 21, 2024

Honourable Jill Dunlop
Minister of Education
438 University Avenue
Toronto, ON

Dear Minister Dunlop:

Re: Closure of McDougall Public School – Near North DSB

This letter is on behalf of the Near North Board of Trustees.

There is support from affected and surrounding municipalities, staff and stakeholder support as well as endorsed by our local MPP Graydon Smith, we respectfully request that the Ministry of Education permit the Near North District School Board to continue operating McDougall Public School K- 6.

This decision supports student success and well-being and aligns with our strategic priorities, including the following:

Fostering Positive Relationships and an Engaged, Inclusive Board Culture. Our current chair welcomed McDougall Mayor Dale Robinson the opportunity to address our board during a board meeting in June 2024. Trustee Fuscaldo and Trustee Wesley participated in a community Town Hall in McDougall Township, where the overwhelming message was clear: the desire to keep McDougall Public School open to house elementary students.

Promoting Innovative 21st-Century Learning and Integrated Solutions
We value our rural schools and consulted experts to inform our needs for the new Parry Sound build, which includes 238 elementary spaces with two short-term portable edupods. Original forecasts anticipated a total of 408 kindergarten to grade 8 students across affected schools in 2024-2025 as indicated in the included Dalip report on page 20 on our website, however actual current board enrolment numbers as noted on October 8, 2024, is **473** students. This increase in enrolment challenges the Ministry's decision to reduce the planned capacity from 1085 students in 2015 to 815 students in 2020. The continued operation of McDougall Public school will help in this matter.

Supporting Inclusive, Responsive, Experiential Learning for All Learners

McDougall Public School offers a unique outdoor learning environment, including a large, forested area, a baseball diamond, spacious indoor and outdoor play areas and classrooms for elementary students, and an exceptional kindergarten learning and play yard, and has the ability to hold a regional elementary track meet and other regional events

Ensuring Effective Communication and Clarity of Goals

During the moratorium on new Accommodation Reviews, our board and your Ministry received numerous requests to address concerns about the new Parry Sound build. Now that construction is underway, we continue to receive appeals from the same communities to save McDougall Public School.

Our Executive Staff have consistently provided information updates to the Ministry regarding our new school build and the community's interest in preserving McDougall Public School.

We urge the Ministry of Education to initiate a swift process in their decision towards our goal for the new Parry Sound build 7-12 and allowing McDougall Public School to serve as a K-6 for elementary students.

As these moves are scheduled to take place in September 2025, and time is of the essence, we respectfully ask that a decision be rendered to us no later than February 2025 so that we have adequate time to communicate with affected families and ensure a successful transition.

Yours truly,



Jeanie Fuscaldo
NNSB Trustee Area 3

cc: NNSB Trustees
NNSB Executive Council

enclosure (1)

Ministry of Natural Resources

Development and Hazard Policy Branch
Policy Division
300 Water Street
Peterborough, ON K9J 3C7

Ministère des Richesses naturelles

Direction de la politique d'exploitation des
ressources et des risques naturels.
Division de l'élaboration des politiques
300, rue Water
Peterborough (Ontario) K9J 3C7

November 25, 2024

Subject: *Decision on Discussion Paper: Regulating Commercial-Scale Geologic Carbon Storage Projects in Ontario, and Proposal on Enabling the Development of Commercial-Scale Geologic Carbon Storage in Ontario: The Geologic Carbon Storage Act*

Hello,

Over the past two years, the Ministry of Natural Resources has been taking a measured and phased approach to enabling and regulating geologic carbon storage in Ontario. Carbon storage is new to the province, and developing a comprehensive framework to regulate this activity would help ensure that it is done responsibly, with measures in place to safeguard people and the environment.

Geologic carbon storage (further referred to as carbon storage) involves injecting captured carbon dioxide (CO₂) into deep geological formations for permanent storage. This technology could provide industries in Ontario with a critical tool for managing their emissions and contributing to the achievement of Ontario's emissions reduction targets.

Today, we are writing to notify you that 1) a decision has been made to proceed with the development of a framework for enabling commercial-scale geologic carbon storage (Environmental Registry of Ontario posting # 019-8767), and 2) that a new *Geologic Carbon Storage Act* is being proposed (Environmental Registry of Ontario posting # 019-9299).

These developments represent significant steps towards Phase 3 of Ontario's [approach to enabling and regulating geologic carbon storage](#). Ontario aims to have a framework in place by summer 2025. Initially, the ministry anticipates that commercial-scale projects would be proposed in Southwestern Ontario, where the geology is expected to be the most suitable.

- 1) In the summer of this year, we shared information about the development of a legislative and regulatory framework for commercial-scale geologic carbon storage. This information included a discussion paper that provided an overview of how various components of the framework could function. Based on feedback received, a decision was made to move forward with the development of the framework.

More details on the decision, the feedback received, and the original discussion paper can be viewed in the decision notice on the Environmental Registry of Ontario: <https://ero.ontario.ca/notice/019-8767>.

- 2) Based on comments received in response to the discussion paper, as well as feedback received in previous phases of framework development, a *Geologic Carbon Storage Act* (the “Act”) is being proposed. The proposed Act would enable the regulation of research and evaluation activities, and carbon storage activities associated with the permanent storage of carbon dioxide in underground geologic formations in Ontario.

We encourage you to review, and submit feedback on, the legislative proposal on the [Environmental Registry of Ontario posting # 019-9299](#).

If you would like more information or have any questions, please contact Andrew Ogilvie, Manager of Resources Development Section, at 705-761-5815 or through email: Resources.Development@ontario.ca.

Sincerely,



Jennifer Keyes
Director, Development and Hazard Policy Branch

Grace Simpson
89 Amorak Trail
Whitestone, ON

December 1, 2024

21 Church St, Dunchurch, Whitestone, ON P0A 1G0

Dear Members of the Whitestone Council,

Subject: Proposal to Purchase Crown Land for a Sustainable, Local Maple Syrup Business

I am writing to formally request the support from Council at the Municipality of Whitestone to purchase an approximately 20 acre parcel of crown land located near Wahwashkesh Lake (*Plan 42M625 Block 25 PT PCL 19190 N/S - figure below*). The Ministry of Natural Resources could be open to the disposition of this parcel of land for economic or housing purposes with the support of the local Municipality as communicated to Grace Simpson by Natalie McMorro on October 15, 2024. If the Municipality was interested in supporting this request, Natalie McMorro asked that cldt.mnrf@ontario.ca be contacted.

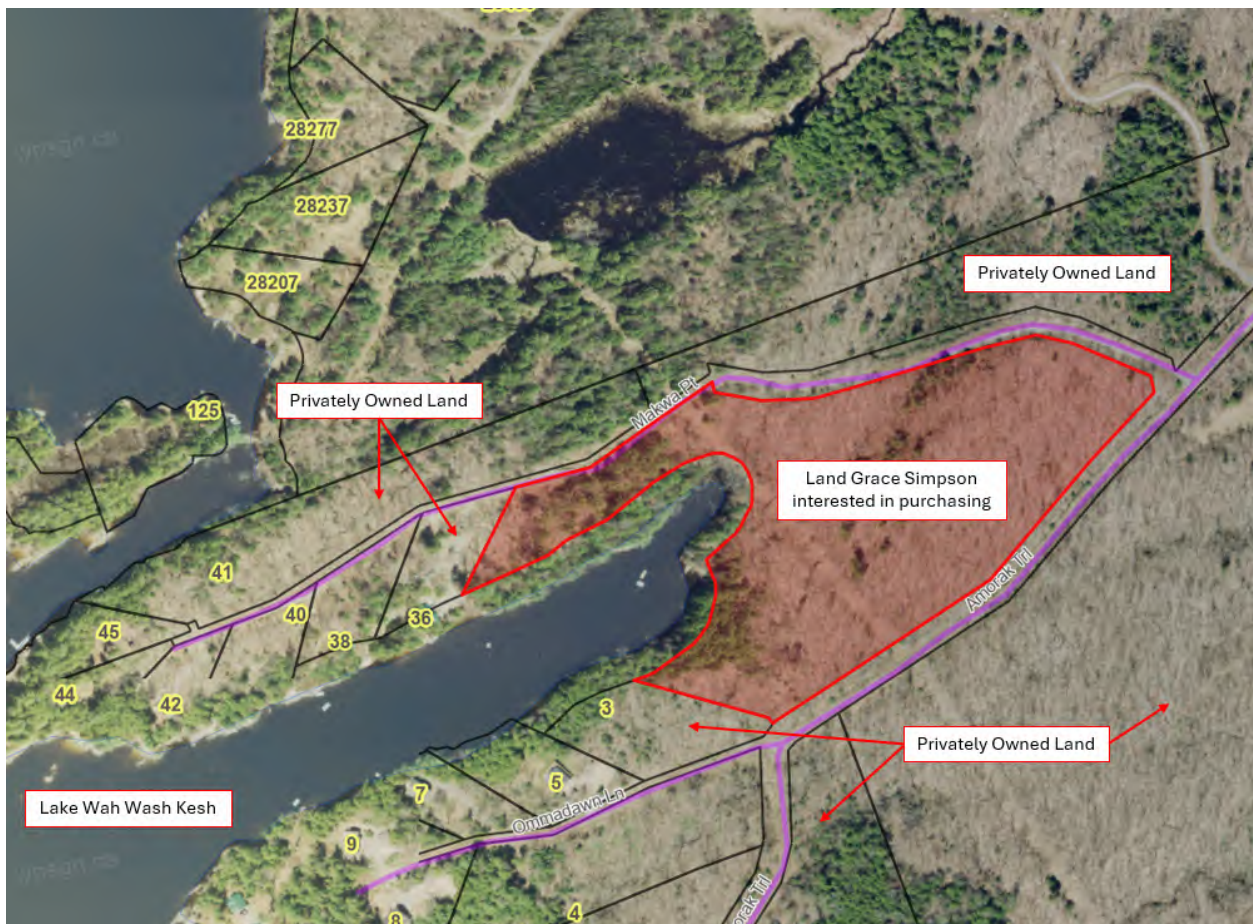


Figure 1: Aerial view of land from West Parry Sound Geography Network

Grace Simpson
89 Amorak Trail
Whitestone, ON

My goal is to establish a boutique maple syrup business, a venture that aligns with our community's values of sustainable, local entrepreneurship, and economic growth. This project represents a clear objective to contribute positively to Whitestone while pursuing a meaningful venture.

1. **Economic Growth & Tax Revenue:** The operation will bring new tax revenue through property taxes and business activity. As a micro-enterprise, my goal is to stay local, sourcing as many materials as possible from nearby businesses, creating a positive economic ripple effect.
2. **Environmental Stewardship:** I am deeply committed to maintaining the ecological health of the land. The process of maple syrup harvesting, carefully tapping trees without harming them, ensures the land remains vibrant and forested. This commitment includes sustainable forestry practices, biodiversity preservation, and promoting eco-tourism in our area.

Maple syrup is not just a product; it's a story of tradition, innovation, and connection to the land. By supporting this venture, the council has the opportunity to champion a unique local start-up that will enrich our town's economy while preserving its natural beauty.

As part of this proposal, I would like to explore the possibility of severing the land into three large segments. This approach would allow for flexible land use and create additional opportunities for growth and development within our community. This division not only maximizes the land's potential but also ensures that it remains a valuable and adaptable resource for Whitestone in the years to come.

I kindly ask for your consideration of this request, and I am more than willing to provide additional details or meet in person to discuss the matter further. Thank you for your time and dedication to fostering a vibrant, sustainable, and prosperous Whitestone. I look forward to your response and the opportunity to contribute to our community's growth in this unique and meaningful way.

Warm regards,



Grace Simpson

From: Crown Land Dispositions Task Team (MNR) <CLDTT.MNRF@ontario.ca>
Sent: November 26, 2024 3:03 PM
To: paula.macri <paula.macri@whitestone.ca>
Subject: RE: Tyler and Grace Simpson

Hi Paula,

Thank you for your email. Our task team is focused on Crown land sales to municipalities and Indigenous communities to support community needs and economic development. Please note that Crown land is not actively marketed, rented, or sold for private recreational or residential use. However, for certain government initiatives and priorities the ministry will work with individuals, communities, and municipalities, to make Crown land (excluding provincial parks and conservation reserves) available for social and economic development activities.

For more information please refer to the Ontari.ca webpage webpage that outlines our considerations for sales. [Buy or rent Crown land within municipal boundaries | ontario.ca](#)

We have attached our client intake form which you can share with Tyler and Grace Simpson to help assess the type of Crown land disposition they are seeking. Once the intake has been reviewed and there are still questions or further clarity required, we would be happy to meet with you.

Thank you,
Matthew

Matthew Anderson

Crown Land Disposition Coordinator | Lands and Business Services Section | Divisional Support
Branch I Regional Operations Division
Ministry of Natural Resources (MNR) | Ontario Public Service
705.761.2840 | matthew.anderson@ontario.ca



Taking pride in strengthening Ontario, its places and its people

From: Paula Macri <paula.macri@whitestone.ca>
Sent: Tuesday, November 26, 2024 11:10 AM
To: Crown Land Dispositions Task Team (MNR) <CLDTT.MNRF@ontario.ca>
Subject: Tyler and Grace Simpson

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning,

The Municipality of Whitestone has received a request from Tyler and Grace Simpson regarding the purchase of an approximately 20-acre parcel of Crown land near Wahwashkesh Lake (Plan 42M625, Block 25, PTPCL 19190 N/S – PIN 52250-0066 – see below map). We understand that you have been in communication with the Simpsons.

Would it be possible to arrange a telephone call this week? If so, please let me know your availability.



Paula Macri
Planning Assistant

21 Church Street ~ Dunchurch, Ontario ~ P0A 1G0
Tel: 705-389-2466 ~ Ext. 122

Ministry of Natural Resources (MNR)

Crown Land Disposition Task Team (CLDTT)

Community Project Information

Thank you for your interest. We can serve you better if we know a bit more about you and your interests. Please take a few minutes to complete the following form.

Contact Information:

Name of municipality or community: [Click or tap here to enter text.](#)

Name of contact: [Click or tap here to enter text.](#)

Position: [Click or tap here to enter text.](#) Email: [Click or tap here to enter text.](#)

Phone: [Click or tap here to enter text.](#)

- 1) Do you have a specific need or project in mind? Yes No
- 2) Do you have a specific parcel of land or area in mind? Yes No

Complete this section if you have a specific project in mind.

- 3) Have you contacted the MNR district about this project? Yes No
- 4) Do you have more than one project? Yes No

Please select all that apply.

Infrastructure

- Water/sewer
- Waste disposal
- Roads/bridges

Economic Development

- Housing (permanent)
- Cottage lots (seasonal)
- Boat launch access
- Commercial/industrial

Community Development

- Parks and recreation
- Waterfront development
- Emergency response
- Community services
(healthcare)

Please select any of the resources you have used to prepare for this project.

<input type="checkbox"/>	Buy or rent Crown land within municipal boundaries ontario.ca
<input type="checkbox"/>	Crown Land Use Policy Atlas (gov.on.ca)
<input type="checkbox"/>	Make A Topographic Map (gov.on.ca)
<input type="checkbox"/>	Make a natural heritage area map ontario.ca
<input type="checkbox"/>	MLAS Map Viewer (gov.on.ca) (To check for mining claims)

Comments:

Click or tap here to enter text.

Email: CLD TT.MNRF@ontario.ca

MERRY *Christmas!*

Dear community friend,

As we approach the holiday season, we are reminded of the importance of community and connection, especially for those who may be facing challenges. West Parry Sound Community Support Services is once again hosting its 13th Annual “Be a Santa to a Senior” Campaign, and we are reaching out to local businesses and residents like you to ask for your support in making this year’s initiative a success.

The holiday season can be especially difficult for older adults who have experienced loss and may face health limitations, mobility challenges, or financial hardships. Many seniors in our community are isolated and lack the support of family and friends during the holidays. This campaign provides crucial services that help enhance their well-being, such as meals and nutrition, social interests and activities, community connections, shopping support, and transportation.

With your generous donation, we can make sure that these seniors feel the warmth of the season through meaningful connections and practical support. Every contribution, whether large or small, helps us reach our goal of providing these much-needed services and brightening the holidays for our elderly neighbors.

There are several ways you can get involved in the Be a Santa to a Senior Campaign:

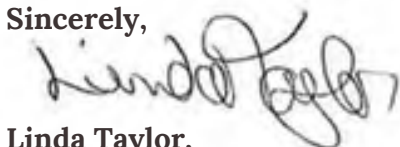
- **Financial Gifts:** Donations can be made through cash, cheque, gift cards, or e-transfer. Please make e-transfers to finance@csswest.ca with the subject line “Be a Santa.”
- **Time & Volunteering:** We are always in need of volunteers, if you’re interested in volunteering, please contact us at 705-746-5602.

We truly believe that Christmas is a time to give and share joy, and your support will help spread cheer to those who need it most. Thank you for considering making a difference this Christmas season. Together, we can ensure that no senior feels forgotten.

If you have any questions or would like more information on how you can contribute, please don’t hesitate to reach out.

Wishing you and your loved ones a Merry Christmas and a Happy New Year!

Sincerely,



Linda Taylor,
Director

West Parry Sound Community Support Services