



TOWNSHIP OF MELANCTHON
HYBRID COUNCIL MEETING
THURSDAY, AUGUST 15th, 2024 - 5:00 P.M.

Council meetings are recorded and will be available on the Township website under Quick Links – Council Agendas and Minutes within 5 business days of the Council meeting.

Join Zoom Meeting

<https://us02web.zoom.us/j/88976743447?pwd=CKFTrKu32xbMAM5cA1C9DDwoOvaEpa.1>

Meeting ID: 889 7674 3447

Passcode: 608662

One tap mobile

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- +1 587 328 1099 Canada

Meeting ID: 889 7674 3447

Passcode: 608662

AGENDA

1. Call to Order
2. Land Acknowledgement Statement

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

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

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

3. Announcements
4. Additions/Deletions/Approval of Agenda

5. Declaration of Pecuniary Interest and the General Nature Thereof
6. Approval of Draft Minutes – July 18th, 2024
7. Business Arising from Minutes
8. Point of Privilege or Personal Privilege
9. Public Question Period (Please visit our website under Agendas and Minutes for information on Public Question Period)
10. Public Works
 1. Accounts
 2. Staff Recommendation for Plow Truck to be Delivered in 2025
 3. Other
11. Planning
 1. Applications to Permit
 2. Letter from Harvey Lyon regarding Letter to Ministry of Municipal Affairs and Housing regarding Dufferin County OPA No. 4
 3. Other
12. Strategic Plan
13. Climate Change Initiatives
14. Police Services Board
15. Committee/Board Reports & Recommendations
16. Correspondence

Board, Committee & Working Group Minutes

1. Shelburne and District Fire Board – April 2, 2024

Items for Information Purposes

1. RJ Burnside & Associates – Drainage Superintendent Services March – June 2024
 2. Request for Proclamation and Participation in Light it Up! For National Disability Employment Awareness Month from Life Directions
 3. OPP Letter to the Municipality on OPPA Agreement
 4. Groundwater Assessment Spring 2024 – Holmes Agro
 5. Township of East Garafraxa Resolution regarding Wind Turbine Projects
 6. Township of Southgate Notice of Virtual Meeting Concerning a Proposed Official Plan and Zoning By-law Amendment – August 28th, 2024
 7. Dufferin County Council Resolution to the Ministry of Transportation to advocate for safety features at the intersection of Highway 10 and County Road 17
 8. Integrating Monitoring Plan for Melancthon Pit #2 and the Bonnefield Property Pit Summary of 2023 Biological Survey Results prepared for Strada Aggregates Inc
 9. Ministry of Natural Resources – Proposal Regarding Developing a Commercial-Scale Framework for Geological Carbon Storage
 10. Shelburne & District Fire Department 2023 Annual Report – May 2024
17. General Business
 1. Accounts
 2. Notice of Intent to Pass By-law
 3. New/Other Business/Additions

1. Letter from TransAlta Corporation regarding the discolouration of Turbine 146 in Melancthon (Mayor White)
2. 2024 Budget Update Report from the Treasurer
3. County of Dufferin Explore Dufferin Investors Tour September 25th, 2024
4. Other/Additions
4. Unfinished Business
 1. County of Dufferin Economic Development Strategy Questions for Council
 2. NDCC Agreement Renewal – Request from Mulmur for a Capital Contribution towards the Ice Floor Replacement
 3. NDACT/Strada Well Registration at Township Landfill Site
18. Delegations
 1. 5:30 p.m. – Rob Adams, Town Hall Consulting – Presentation of Strategic Plan
 2. 6:30 p.m. – Rob Brown, Stutz, Brown and Self – Closed Session matter – Request to purchase road allowance
19. Closed Session
 1. Items for Discussion: Section 239(2)(f) – Advice that is subject to Solicitor/client privilege, including communications necessary for that purpose – Request to purchase road allowance (re: above Delegation)
 2. Approval of Draft Minutes – July 18th, 2024
 3. Business Arising from Minutes
 4. Rise With or Without Report from Closed Session
20. Third Reading of By-laws
21. Notice of Motion
22. Confirmation By-law
23. Adjournment and Date of Next Meeting – Thursday, September 5th, 2024 at 5:00 p.m.



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

Telephone - (519) 925-5525
Fax No. - (519) 925-1110
Website: www.melancthontownship.ca
Email: info@melancthontownship.ca

MEMORANDUM

TO: Mayor White and Members of Council
FROM: Craig Micks, Public Works Superintendent
SUBJECT: Staff Recommendation for Plow Truck to be Delivered in 2025
DATE: August 15th, 2024

The Township of Melancthon jointly tendered with the County of Dufferin and the Township of East Garafraxa for Plow Trucks to be delivered in 2025 which closed on July 11th, 2024. Unfortunately, when the tenders were opened on July 12, 2024, the lone bidder could only provide two of the three plow trucks tendered. As a result, **Melancthon was the unsuccessful municipality, due to the layout of the "schedule of prices" in the tender document.**

Following this news, we reached out to Viking Cives Ltd, and have received three quotes for Plow Trucks to be Delivered in 2025. The received quotes were for a 2025 Tandem Axle Western Star 47x Plow Truck for \$381,785.00 plus HST, a 2025 Tandem Axle Freightliner 114SD+ Plow Truck for \$371,455.00 plus HST and a 2025 Tandem Axle Mack Granite Plow Truck for \$399,860.00 plus HST.

The Western Star and the Freightliner have the same motor, transmission and rear end. Miller Group who plows all of the MTO Highways uses Freightliners and our Mechanic from Steer advised that they could do most warranty work required at their shop except for motor and transmission work. Our Mechanic suggested that we could use the savings from buying the Western Star towards extended warranty on the Freightliner.

It is recommended that we suspend the procedural by-law and accept the quote from Viking Cives Ltd. for the 2025 Tandem Axle Freightliner 114SD+ Plow Truck to be delivered in 2025 in the amount of \$371,455.00 plus HST. Staff are recommending that we pay for the extended warranty on this truck in the amount of \$11,417.41 plus HST. The total for the Freightliner with extended warranty and HST is \$432,645.82.

APPLICATIONS TO PERMIT FOR APPROVAL
 August 15, 2024 COUNCIL MEETING

PROPERTY OWNER	PROPERTY DESCRIPTION	SIZE OF BUILDING	TYPE OF STRUCTURE	USE OF BUILDING	DOLLAR VALUE	D.C.'s	COMMENTS
Scott and Jackelyn McKenzie	W Pt Lot 12, Con2 OS RP 7R1038 Part 1 477125 3rd Line	99.40m2 (1070sqft)	Accessory Dwelling Unit	Residential	\$250,000	No	Failed
Melancthon Maple Farms Inc - Emerson Brubacher Agent: Aaron Bauman	W Pt Lot 14, Con 4 OS 397217 5th Line	464.51m2 (4999.94sqft)	Farm Storage Shed	Agricultural	\$125,000	No	Approved

To: Mayor White & Council

From: Harve Lyon

Date: July 22 / 2024

Subject: My letter to Ministry of Municipal Affairs and Housing.

At the public meeting held by the County to consider the Natural Heritage mapping, I presented my concerns as set out in my letter to the Ministry. I was advised that the County was accepting the map provided by the government → end of discussion, not another word. So I'm puzzled why Ms. Yousef has been asked to clarify rather than the government department/agency that authored the map.

The definition to which Ms. Yousef refers was also included in the 2014 PPS, the PPS governing our OP. After what seemed a never ending list of reviews by every conceivable government department, what does our OP say

"a municipal drain may not be classified as a watercourse particularly in situations where such natural features as a major flood plain or fish habitat are not found in association with the drain. This has guided my comments in respect to this matter

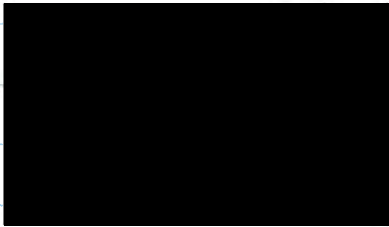
With respect to my second point I refer to the Natural Heritage Reference Manual table 3.3 - Natural Heritage System Linkage Attributes. And the first attribute on the list is Ecological Function. Somebody will have to explain to this rather ancient farmer how a well maintained drain is ecologically functional when natural cover becomes established it is time for a clean-out wiping the drain clean.

Further it is noted that linkages following municipal drains cross Hwy 10. We have enough problems with the traffic on Hwy 10 without directing animals to the highways I refer to sec 3.4.7.2 of the manual. "The creation and configuration of a linkage should be designed to lead wildlife to suitable habitats so that wildlife is not funneled into inhospitable areas (eg highways...)"

We would be well advised to take careful note of the gonigson in parts of eastern Ontario. The new regulations respecting wetland mapping - expanded boundaries, more areas designated as wetlands including lands containing municipal drains, are proving to be particularly contentious raising the ire of farmers in the area.

Because regulations restrict what can be done on wetlands municipalities are refusing to clean out certain drains. The result is hundreds of acres of prime farmland under water. The province's mandate to create more wetlands has been taken by some municipalities to override the Drainage Act. It would appear that the public meeting sessions at which the new mapping was being introduced had become particularly testy, so testy that the Ministry of Natural Resources stepped in with "I request that you immediately pause your wetland policy and mapping update process." Recognizing the extensive and critical role that municipal drains play in Melancthon we should stay alert in these matters.

Respectfully



This matter is on the agenda for the next Council meeting
A copy of this letter has
been sent by registered mail to Mr Young.

#

Denise Holmes

From: Silva Yousif <syousif@dufferincounty.ca>
Sent: Thursday, June 13, 2024 2:27 PM
To: Howard, Dellarue (MMAH); Derakhshan, Pooneh (MMAH); Boyd, Erick (MMAH)
Cc: Denise Holmes; Rajbir Sian; Alexander, Matt
Subject: RE: Dufferin County OP Amendment No. 4 ERO post - Mr. Lyon - Schedule E1
Attachments: Draft natural Heritage System Strategy Background Report ; INFO 4 ~ Letter to Ministry of Municipal Affairs and Housing Regarding Dufferin County OP Amendment No. 4 from Harvey Lyon, Melancthon Resident.pdf

Dellarue

As discussed regarding Mr. Lyon's submission letter on Schedule E1 (Appendix to OPA 3 as adopted – County MCR Phase II)

- municipal drainage systems are classified as water bodies under PPS 2020. This classification applies because they exhibit measurable or predictable responses to single runoff events. They serve as integration points, linking other natural water bodies within the Natural Heritage (NH) system, both locally and regionally, and are also subject to the Drainage Act policies, which further imposes protective measures and development constraints such as setbacks.
- The Growth Plan requires municipalities to map a connected Natural Heritage and Water Resources System. Consequently, municipal drainage features are included along with other features protected under the PPS, Growth Plan, and Greenbelt Plan. It is standard practice to identify all ecological features for their interconnectivity within regional watersheds and to establish policies for their evaluation and protection based on their significance.
- Schedule E1 depicts the County-wide Natural Heritage System. This includes the Provincial Plan's natural heritage systems, as well as natural heritage features and areas identified on Schedule E. Additionally, it includes watercourses, associated flooding hazards, steep slopes, unstable soils, and erosion hazards, which create linkages between natural heritage features and areas. This reflects the Provincial Plan's natural heritage systems, including the Niagara Escarpment Plan's Escarpment Natural Area and Escarpment Protection Area, the Greenbelt Plan's Natural Heritage System, and the Oak Ridges Moraine Conservation Plan's Natural Core Area and Natural Linkage Area.
- Local municipalities, through the conformity exercise, can establish additional policies to evaluate and identify different ecological features within their local context by:
 - o Defining and mapping key natural heritage and key hydrologic features using up-to-date datasets from sources like Land Information Ontario, Conservation Authorities, and regional mapping. Policies for protecting key features should also be included.
 - o Including clear guidelines for development and site alterations within natural heritage features or Natural Heritage System (Greenlands System) areas, and other key infrastructure features such as municipal drainage, roadside ditches, and catchment areas etc.

I hope this helps address the matter(s) from Mr. Lyon letter and clarify the approach that we have taken with regards to Scheule E & E1.

Thanks

Silva Yousif, Senior Planner PMP, MCIP, RPP, EIT | Development and Tourism | County of Dufferin

Phone: 519-941-2816 Ext. 2509 | syousif@dufferincounty.ca | 30 Centre St, Orangeville, ON L9W 2X1

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 [Book time to meet with me](#)

From: Howard, Dellarue (MMAH) <Dellarue.Howard@ontario.ca>
Sent: Monday, June 10, 2024 4:07 PM
To: Silva Yousif <syousif@dufferincounty.ca>
Cc: Derakhshan, Pooneh (MMAH) <Pooneh.Derakhshan@ontario.ca>
Subject: FW: Dufferin County OP Amendment No. 4

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the contents to be safe.

Hi Silva,

Can I talk to you about this as soon as possible? The comments although provided under OPA 4 seem related to Schedule E1 – Natural Heritage System in OPA 3, but there are also policy implications for OPA 4. As you are aware, Natural heritage policies apply to areas within the Natural Heritage System as depicted on Schedule E1. I would, therefore, like to have some clarity on Schedule E1, and the County’s take on the matter, in light of the comments from Mr. Lyon in the attached letter,. The County was also copied on the letter from Melancthon which is supportive of the comments raised by Mr. Lyons in his letter.

Regards

Dellarue Howard

Planner | Municipal Services Office West
Ministry of Municipal Affairs and Housing | Ontario Public Service
519-619-3227 | dellarue.howard@ontario.ca

Floor, Location
2-659 Exeter Road
London, ON, N6E 1L3



Taking pride in strengthening Ontario, its places and its people

From: Denise Holmes <dholmes@melancthontownship.ca>
Sent: Monday, June 10, 2024 2:16 PM
To: Howard, Dellarue (MMAH) <Dellarue.Howard@ontario.ca>
Cc: Michelle Dunne <mdunne@dufferincounty.ca>
Subject: Dufferin County OP Amendment No. 4

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

Good afternoon,

Please see attached letter.

Thank you.

Kind regards,
Denise Holmes



Denise B. Holmes, AMCT | Chief Administrative Officer/Clerk | Township of Melancthon | dholmes@melancthontownship.ca | PH: 519-925-5525 ext 101 | FX: 519-925-1110 | www.melancthontownship.ca |

The Administration Office will be open to the public Monday to Friday from 8:30 a.m. to 12:00 p.m. and 1:00 p.m. to 4:30 p.m. There will be no public access between 12:00 p.m. to 1:00 p.m. as the Office will be closed.

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copy for Township

RECEIVED

H.J. Lyon MAY 14 2024

Ministry of Municipal Affairs and Housing
Municipal Services Office - Western
659 Sydenham Road 2nd Floor
London ON N6E 1K3
Attn: Dellarue Howard

May 11, 2024.

Dear D. Howard

re: Dufferin County OP Amendment No 4

I request that the Government's of the Natural Heritage System for the Township of Melancthon be withdrawn. Unfortunately it is severely flawed. The issue is that the linkages/corridors track municipal drains in the western half of the township. This is unacceptable.

Consider

- These municipal drains are not waterways. They have been engineered to provide a continuous downward grade to the point of discharge thus avoiding to the maximum extent practicable any ponding of water. They collect and discharge water during the spring runoff and following any heavy rains. Otherwise they are dry.

INFO 4

JUNE 6 2024

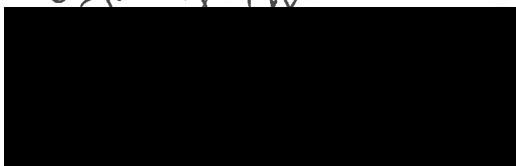
- Under the Drainage Act the Municipality is obligated to maintain these drains. This maintenance usually mean wiping the drain clean of any silt that may have accumulated and any brush/trees that may be growing in the drain. These maintenance actions are totally at odds with maintaining an ecologically functional corridor.

The western half of Melancthon Township is serviced by a very extensive network of municipal drains without which modern agriculture simply would not exist. Accordingly any policies that could interfere with the timely maintenance of these drains are unacceptable.

This issue was sorted with the appropriate agencies during the last OP go-around. I'm disappointed that we have to again address such a fundamental issue.

Further, I request that I be notified of the Ministry's decision respecting the requested OP Amendment.

Respectfully



C.C. County of Dufferin



SHELburne & DISTRICT FIRE BOARD

April 2, 2024

The Shelburne & District Fire Department **Board of Management** meeting was held in person at the Shelburne and District Fire Department on the above mentioned date at 7:00 P.M.

Present

As per attendance record.

1. **Opening of Meeting**

1.1 Vice-Chair, Gail Little, called meeting to order at 7:00 pm.

1.2 **Land Acknowledgement**

We would like to begin by respectfully acknowledging that the Town of Shelburne resides within the traditional territory and ancestral lands of the Anishinaabe, including the Ojibway, Potawatomi, Chippewa and the People of the Three Fires Confederacy.

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

2. **Additions or Deletions**

None.

3. **Approval of Agenda**

3.1 **Resolution # 1**

Moved by F. Nix – Seconded by A. Stirk

BE IT RESOLVED THAT:

The Board of Management approves the agenda as circulated.

Carried

4. **Approval of Minutes**

4.1 **Resolution # 2**

Moved by J. Horner – Seconded by B. Neilson

BE IT RESOLVED THAT:

The Board of Management adopt the minutes under the date of March 18, 2024 as circulated.

Carried

5. **Pecuniary Interest**

5.1 No pecuniary interest declared.

6. **Public Question Period**

6.1 No questions.

7. **Delegations / Deputations**

7.1 Michelle Adams, CPA, CA, Senior Accountant, RLB

Resolution # 3

Moved By J. Horner – Seconded by A. Stirk

BE IT RESOLVED THAT:

Leave be given to Michelle Adams, Senior Accountant, from RLB to address the Board.

Carried

9. **New Business**

9.1 Draft Financial Statements

Michelle Adams reviewed the Financial Statements with the Board and answered the Boards questions.

Resolution # 4

Moved by W. Mills – F. Nix

BE IT RESOLVED THAT:

The Shelburne & District Fire Board of Management approve the following transfers to the 2023 Reserve accounts:

1. Transfer \$6198.89 in for 2023 interest revenue
2. Transfer \$680,272.29 out for 2023 capital purchases
3. Transfer \$25,000.00 in for the FCC Grant recognized in revenue in the year
4. Transfer remaining \$24,366.86 out of Operating Reserve to cover portion of the 2023 general fund operations deficit
5. Transfer net \$13,876.86 balance due from capital to operations

Carried

Resolution # 5

Moved by E. Hawkins – B. Neilson

BE IT RESOLVED THAT:

The Shelburne & District Fire Board accept and approve the Draft Consolidated Financial Statements for the year end of December 31, 2023 prepared and presented by RLB;

AND THAT the Secretary-Treasurer be authorized to sign the representation letter.

Carried

Resolution # 6

Moved by: M. Davie – Seconded by A. Stirk

BE IT RESOLVED THAT:

The Shelburne & District Fire Board of Management transfers the 2023 Budget surplus of \$3,310.66 to the Operating Reserve.

Carried

8. **Unfinished Business**

8.1 Radio Communications Report

The Chief reviewed the report with the Board and advised that we meet 4 out of the 6 requirements or sole sourcing in the SDFB Procurement Policy.

The Board directed the Chief to work with the other Fire Chiefs to develop a proposal to request funds from the County to support the project.

Resolution # 7

Move By: F. Nix – Seconded By: W. Mills

BE IT RESOLVED THAT:

The Shelburne & District Fire Board of Management receives the Radio Communications Report;

AND accepts the Five9 vendor proposal of the Simulcast System with the cost of \$309,690.00 plus HST subject to agreement of Grand Valley, Mulmur-Melancthon and Orangeville Fire Departments.

Carried

Resolution # 8

Moved By: J. Horner – Seconded By: A. Stirk

BE IT RESOLVED THAT:

The SDFB collaborate with other participating departments to request funding from County of Dufferin for the radio simulcast system.

Carried

9. **New Business**

9.2 MTO ARIS Account

Resolution # 9

Moved By: W. Mills – Seconded By: A. Stirk

BE IT RESOLVED THAT:

The Shelburne & District Fire Board of Management delegates the authority to the Fire Chief to sign the MTO ARIS account as the authorized signatory on behalf of the Board.

Carried

9.3 Closed Session

Resolution # 10

Moved by F. Nix – Seconded by A. Stirk

BE IT RESOLVED THAT:

The Shelburne & District Fire Board do now go “in camera” to discuss the following:

Personal matters about an identifiable individual, including municipal or local board employees and labour relations or employee negotiations.

Carried

Resolution # 11

Moved by A. Stirk – Seconded by W. Mills

BE IT RESOLVED THAT:

We do now rise and report progress at 8:35pm.

Carried

Resolution # 12

Moved by W. Mills – Seconded by D. White

BE IT RESOLVED THAT:

The Shelburne and District Fire Board approves the Secretary-Treasurer’s full-time contract effective January 1, 2024 with benefits effective April 1, 2024;

AND authorizes the vice-chair to sign on the Board’s behalf.

Carried

10. **Chief’s Report**

10.1 **Monthly Reports (March 2024)**

There was a total of 24 incidents for the month of March.

10.2 **Update from the Fire Chief**

No Report at this time.

11. **Future Business:**

11.1 Nothing at this time.

12. **Accounts & Payroll – March 2024**

12.1 **Resolution # 13**

Moved by F. Nix – Seconded by E. Hawkins

BE IT RESOLVED THAT:

The bills and accounts in the amount of \$34,330.88 for the period of March 1, 2024 to March 28, 2024 as presented and attached be approved for payment.

Carried

13. **Confirming and Adjournment**

13.1 **Resolution # 14**

Moved by B. Neilson – Seconded by F. Nix

BE IT RESOLVED THAT:

All actions of the Board Members and Officers of the Shelburne and District Fire Board of Management, with respect to every matter addressed and/or adopted by the Board on the above date are hereby adopted, ratified and confirmed; And each motion, resolution and other actions taken by the Board Members and Officers at the meeting held on the above date are hereby adopted, ratified and confirmed.

Carried

13.2 **Resolution # 15**

Moved by E. Hawkins – Seconded by A. Stirk

BE IT RESOLVED THAT:

The Board of Management do now adjourn at 8:45 pm to meet again on May 7, 2024 at 7:00 pm or at the call of the Chair.

Carried

Respectfully submitted by:

Approved:

Nicole Hill
Secretary-Treasurer

Gail Little
Vice Chairperson

SHELBURNE & DISTRICT FIRE BOARD MEMBERS

Meeting Attendance Record Under Date of April 2, 2024

Municipality / Member	Present	Absent
Township of Amaranth		
Andrew Stirk	X	
Gail Little	X	
Town of Mono		
Melinda Davie	X (zoom)	
Fred Nix	X	
Township of Melancthon		
Darren White	X	
Bill Neilson	X	
Town of Shelburne		
Wade Mills	X	
Shane Hall		X
Township of Mulmur		
Earl Hawkins	X	
Janet Horner	X	
Staff		
Ralph Snyder – Fire Chief	X	
Jeff Clayton – Deputy Chief		X
Nicole Hill – Sec/Treas.	X	

2/20



July 19, 2024

Via: Email

Sarah Culshaw
Treasurer/Deputy Clerk
Township of Melancthon
157101 Highway No. 10
Melancthon ON L9V 2E6

Dear Sarah:

Re: Drainage Superintendent Services
File No.: D-ME-SUP
Project No.: MSO019743.2024

As we are now into the third quarter of the business year, we would appreciate updating our account for Professional Services. The enclosed invoice covers the time period from March 29, 2024, through June 27, 2024.

The work undertaken during this period includes the following:

April 2024

- Received a request for trapping from property owner Andrew Patchett (Lot 217 & 218, Concession 2 N.E.) on the Levi-Allen Drainage Works. Completed the Nuisance Beaver form along with a beaver dam location plan and forwarded documentation to trapper, Dave Cowen. Correspondence with several directly affected property owners regarding additional dams as well as receiving permission to use their property for access. Further correspondence with the trapper regarding the progress of the trapping work.
- Received a request for trapping from Township Public Works Superintendent on the Stinson Drainage Works. Received permission from property owner Ralph Armstrong (Pt E1/2 Lot 21, Concession 4 O.S.), completed the Nuisance Beaver form along with a beaver dam location plan and forwarded documentation to trapper, Dave Cowen. Correspondence with the trapper regarding the progress of the trapping work.
- Received a request for trapping from property owner Leo Blydorp (Lot 15, Concession 5 S.W.) on the Stewart Drainage Works. Completed the Nuisance Beaver form along with a beaver dam location plan and forwarded documentation to trapper, Dave Cowen. Correspondence with the trapper and the property owner regarding the progress of the trapping work and the status of the dam removal.

- During an inspection of the Gray Drainage Works in Pt. Lot 17, Concession 4 S.W., a beaver dam was located. Completed the Nuisance Beaver form along with a beaver dam location plan and forwarded documentation to trapper, Dave Cowen. Correspondence with the trapper and the tenant, Leo Blydorp regarding the progress of the trapping work and the status of the dam removal.
- Received a request for trapping from property owner Dale Rutledge (Lot 294 & 295, Concession 3 S.W.) on the Henry Drainage Works. Completed the Nuisance Beaver form along with a beaver dam location plan and forwarded documentation to trapper, Dave Cowen. Correspondence with the trapper regarding the progress of the trapping work and the status of the dam removal.
- Received notice from County of Dufferin staff of high water level in the McNabb Drainage Works. Correspondence with trapper, Dave Cowen of possible beaver activity on the drain. No further documentation was required as it had been previously submitted for the same location.
- Requested and received the ownership information for the directly affected properties on the Stewart Drainage Works.

May 2024

- Received, reviewed and forwarded trapper, Dave Cowen's invoice for beavers caught on Municipal Drains during open season, outside of the Nuisance Beaver Program to the Dufferin County Nuisance Beaver program administrator for payment.
- Received, reviewed and forwarded trapper, Dave Cowen's invoice for setting traps and mileage for trapping on Municipal Drains to Township staff for payment.
- Received a request for trapping from property owner Mark Greenfield (Pt W1/2 Lot 8, Concession 4 O.S.) downstream of the McManaman Drainage Works. Reviewed the drain file and informed him that because the dam is downstream of the drain limits on a natural watercourse and it is not impacting the drain, the trapping could not be done under the Dufferin County Nuisance Beaver Program and would have to be done privately.
- Notified of a request for trapping from property owner Alson Bauman (Pt. Lot 259, 260 Concession 4 S.W.) on the Crowder Drainage Works. Correspondence with the trapper and the property owner regarding the progress of the trapping work and access route for forthcoming dam removal.
- Received a request for trapping from property owner Fred McDonald (Lot 9, Concession 4 N.E.) on the McCue Drainage Works. Completed the Dufferin County Nuisance Beaver Program online application. Correspondence with trapper, Dave Cowen, regarding the progress of the trapping as well as the property owner regarding the timeline for dam removal.
- Received a request to trap from property owner Dave Vander Zaag (Pt. E1/2 Lot 24, Concession 3 O.S.) on the Ferguson Drainage Works. Completed the Dufferin County Nuisance Beaver Program online application. Correspondence with trapper, Dave Cowen, regarding the progress of the trapping.

- Telephone discussion with property owner Paul Keefe (Lot 265 & 266, Concession 4 S.W.) on the Henderson Drainage Works regarding his invoice for maintenance work completed on the drain in 2022. Further email correspondence providing a Location Plan and a breakdown of his assessment for the work.
- Coordinated the beaver dam removal work with property owners and Contractor, Jeff Demmans. On-site during dam removal work at the Curphy Drainage Works, McCue Drainage Works, Ferguson Drainage Works and Stinson Drainage Works. Further coordination with property owners and the Contractor for dam removal work at the Levi-Allen Drainage Works, Crowder Drainage Works and the Amos and Gordon Drainage Works.
- Assisted property owner Isaiah Martin (1000406582 Ontario Inc.), owner of Pt. W1/2 Lot 10, Concession 4 O.S. with filling out a Petition for Drainage Works by Owners to secure an outlet into the McManaman Drainage Works. Delivered signed petition along with an accompanying plan to the Township CAO/Clerk for processing.
- Received notice from property owner Jeanine Kelsey (Pt. Lot 270, Concession 1 S.W.) of high-water level in the Shier Drainage Works. Site inspection to locate the beaver dam, acquired downstream property owner's permission to access their property and completed the Dufferin County Nuisance Beaver Program online application. Correspondence with trapper, Dave Cowen, regarding the progress of the trapping.

June 2024

- Received, reviewed and forwarded invoice from Demmans Excavating Inc. for beaver dam removal work on several Municipal Drains to Township staff for payment.
- Received a request for trapping from tenant Leo Blydorp (Pt. Lot 17, Concession 4 S.W.) on the Gray Drainage Works. Completed the Dufferin County Nuisance Beaver Program online application and additionally sent an email to the trapper, Dave Cowen to have him immediately dispatched to the drain. Correspondence with trapper, Dave Cowen, regarding the progress of the trapping as well as the property owner regarding the timeline for dam removal.
- Site meeting with property owner Ken Holmes (Pt. Lot 17, Concession 4 S.W.) to have Notice of Request for Drain Maintenance and/or Repair signed for the Gray Drainage Works.
- Site visit with property owner Doug Scace (Lot 14 & Pt. Lot 15, Concession 6 S.W., Lot 14, Concession 5 S.W.) to discuss maintenance work on the Stewart Drainage Works.
- Preparation of a letter outlining our findings and recommendations with respect to the Request for Maintenance of the Stewart Drainage Works. Preparation of a Location Plan to accompany the letter.

As you are aware, the cost of employing a Drainage Superintendent is eligible for a 50% grant. The Ministry has requested that the grant application be submitted yearly. As such, the application will be completed for you at year's end.

Should you have any questions or if we can be of any further assistance in the meantime, please call.

Yours truly,

R.J. Burnside & Associates Limited

Drainage Superintendent

A handwritten signature in black ink, appearing to read 'Tom Pridham', written over a light grey rectangular background.

T.M. Pridham, P.Eng.
Drainage Engineer
TMP:ao

Enclosure(s) Invoice No. MSO019743.2024-2

Other than by the addressee, copying or distribution of this document, in whole or in part, is not permitted without the express written consent of R.J. Burnside & Associates Limited.

019743.2024 SCulshaw Drainage Sup Services Q2 240719
19/07/2024 3:17 PM



R.J. Burnside & Associates Limited
 15 Townline
 Orangeville, ON L9W 3R4
 Phone: (519) 941-5331 Fax: (519) 941-7721
 www.rjburnside.com

Township of Melancthon
 157101 Highway 10
 Melancthon, ON L9V 2E6

05 July 2024
 Invoice No: MSO019743.2024 - 2

Project MSO019743.2024 RJB File: D-ME-SUP-2024
Professional Services through 27 June 2024

	Hours	Amount	
Senior Engineer II			
Pridham, Thomas	16.50		
Tech V			
Douglas, Myles	67.70		
Project Support II			
Olmstead, Amanda	1.70		
Totals	85.90		
Total Labour			11,922.30
Misc Reimbursable Expense		104.70	
Total Reimbursables		104.70	104.70
HST #885871228	13.00 % of 12,027.00	1,563.51	
Total Tax		1,563.51	1,563.51
Total Amount Due in CDN Funds			<u><u>\$13,590.51</u></u>

Billings to Date

	Current	Previously	Billed to Date
Labor	11,922.30	9,184.00	21,106.30
Expense	104.70	439.49	544.19
Tax	1,563.51	1,251.05	2,814.56
Totals	13,590.51	10,874.54	24,465.05

Project Manager: Thomas Pridham

Client Number: 61

Please reference your billing client number when making payments via direct deposit or electronic transfer.

To: Township of Melancthon
Address: _____
Contact No: 01-5009-3060
Invoice No: _____
Cheque Date: _____
Cheque Amt: _____

Denise Holmes

From: Monica Singh Soares <MonicaSS@lifedirections.ca>
Sent: Friday, July 26, 2024 3:47 PM
To: Denise Holmes
Cc: Cristin O'Sullivan
Subject: Request for Proclamation and Participation in Light It Up! For NDEAM 2024

Dear Clerk and Members of the Melancthon Council,

I hope this message finds you well.

My name is Monica Singh Soares, and I am writing to you on behalf of Life Directions Employment Supports, in conjunction with the Ontario Disability Employment Network (ODEN). We are thrilled to request your support for the "Light It Up! For NDEAM®" initiative, celebrating its fifth anniversary in 2024.

We have two specific requests:

1. **Proclaim October as National Disability Employment Awareness Month:** We request that the Township of Melancthon officially proclaim the month of October as National Disability Employment Awareness Month (NDEAM). This proclamation will help raise awareness about the significant contributions of people with disabilities to businesses and communities, and the importance of disability inclusion in employment.
2. **Light It Up:** We request the illumination of key landmarks in Melancthon, such as the clock tower, water tower, or another prominent structure, in purple and blue on October 17th, 2024. This visual support will highlight the importance of NDEAM and demonstrate Melancthon's commitment to disability inclusion in employment.

Proclamation Details and Event Information:

Join the Light It Up! For NDEAM national movement and celebrate the fifth anniversary event with us in 2024! "Light It Up! For NDEAM®" is the main event of ODEN's annual National Disability Employment Awareness Month (NDEAM) campaign. This initiative highlights the significant contributions of people with disabilities to businesses and communities, demonstrating how disability inclusion in employment can drive success and competitiveness.

The event occurs nationwide on the third Thursday of every October, and for this year, it will fall on October 17th, 2024. However, "Light It Up! For NDEAM" is more than just a night; it has become a movement that ignites conversations about disability inclusion in employment across Canada.

In 2023, we saw unprecedented participation, with almost 700 locations in nearly 150 communities across Canada illuminating in purple and blue. This nationwide collaboration involves ODEN, the Canadian Association for Supported Employment, MentorAbility Canada, the federal government, municipal and provincial governments, Jobs Ability Canada, and many community-based agencies. It's this collective effort that makes "Light It Up! For NDEAM" a powerful event in big cities, small towns, and rural communities from coast to coast.

We invite Melancthon to join this impactful movement by proclaiming support for "Light It Up! For NDEAM" and encouraging local businesses and community members to participate by illuminating key landmarks in purple and blue. The greater the participation, the greater the impact.

The colors we are requesting for the lighting are purple (R: 125 G: 82 B: 138) and blue (R: 50 G: 77 B: 92).

For more information and to see the full list of 2023 participating locations, please visit ODEN's website for this initiative: [ODEN - Light It Up! For NDEAM 2024](#).

We appreciate your consideration and look forward to the possibility of Melancthon being a part of this meaningful initiative.

Best regards,

Monica Singh Soares

Life Directions

Marketing Business Engagement Specialist

774292 Hwy 10 North

Flesherton, ON

NOC 1E0

monicass@lifedirections.ca

Ontario
Provincial
Police

Police
provinciale
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
Fax: 705 330-4191

Tél. : 705 329-6200
Télééc.: 705 330-4191

File Reference:600

July 23, 2024

Dear Mayor/Reeve/CAO/Treasurer,

The Ontario Provincial Police Association and the Provincial Government have ratified new uniform and civilian collective agreements in effect for the term January 1, 2023, through December 31, 2026 (four-year term agreements).

The new agreements include general salary year-over-year rate increases of 4.75% (2023), 4.5% (2024), and 2.75% (2025 and 2026). Additionally, effective September 1, 2024, many OPP detachment front-line constables and sergeants will be receiving an additional 3% front-line patrol premium.

Included in the new collective agreements were other compensation adjustments, which, for the most part, will take effect in the 2025 calendar year.

Further analysis is required before the OPP Municipal Policing Bureau communicates the full impact of the new agreements on municipal policing cost.

The OPP Municipal Policing Bureau will issue the 2025 annual billing statements in the fall of 2024 based on the estimates of the impact of the new collective agreement terms.

If you have any questions or concerns, please contact the OPP Municipal Policing Bureau at OPP.MunicipalPolicing@opp.ca

I would like to thank you for your support and look forward to our continued collaboration.

Yours truly,

A handwritten signature in black ink, appearing to read "Steve Ridout", is written over a horizontal line.

Superintendent Steve Ridout
Municipal Policing Bureau Commander

Cc: OPP Regional and Detachment Commanders

Denise Holmes

From: Jeff Holmes <jeff@holmesagro.com>
Sent: Tuesday, July 23, 2024 4:39 PM
To: Denise Holmes
Subject: FW: Editable Draft RE: Sampling Complete Re: Proposal Attached RE: SAG-4965 Groundwater and drinking water monitoring - Holmes Agro, Melancton ON
Attachments: 051826 Groundwater Assessment 2024 Spring.pdf

Thought of this the last week that had not been sent over , apologize for delay and hope Holidays went well

I am going to request from comments from Burnside based on there 3rd party recommendation if we would be able to go to every two years ?

Appreciate your review
Thank you

Jeff



From: Caitlin Dermott <Caitlin.Dermott@rjburnside.com>
Sent: Wednesday, May 29, 2024 10:17 AM
To: Jose Kathleen <kathleen.jose@sollio.coop>
Cc: Jim Walls <Jim.Walls@rjburnside.com>; Liz Francis <liz@holmesagro.com>; Isaac Postma <isaac@holmesagro.com>; Jeff Holmes <jeff@holmesagro.com>
Subject: RE: Editable Draft RE: Sampling Complete Re: Proposal Attached RE: SAG-4965 Groundwater and drinking water monitoring - Holmes Agro, Melancton ON

Good morning Kathleen,

Please find the attached finalized report based on the returned draft with comments.

1. BH11-122 II did not require substitution this year as adequate groundwater was available on the day of sampling.
2. Duplicate Sample: Ideally the duplicate sample is collected from the most mineralized or most important well and a well that will not go dry during sampling. The duplicate has been collected from this well because it is least likely to go dry and it is considered the most important well on the Site. Consideration could be given to collect the duplicate sample from a different well, depending on site conditions, during the next visit.

- 3. Annual Program: Burnside is aware of an Agreement with the Township of Melancthon for Holmes Agro to carry out an **annual groundwater monitoring program**. However based on the stable groundwater chemistry to date, a request to the Township of Melancthon could be made to have the monitoring program conducted every two years.
- 4. BH10-118 Hinge Repair: Burnside would add \$100.00 for the time and materials required to repair the monument.

Please let me know your thoughts and/or if you have any further questions/comments.

Thank you.

- Caitlin

Caitlin Dermott
Environmental Scientist

R.J. Burnside & Associates Limited | www.rjburnside.com
Office: +1 800-265-9662 Direct: +1 519-938-3047

recipient(s) is STRICTLY PROHIBITED.
If you have received this communication in error please notify the sender at the above email address and delete this email immediately.
Thank you.



May 28, 2024

Via: Email (kathleen.jose@sollio.coop)

Mr. Jeff Holmes c/o Kathleen Jose
Holmes Agro Ltd.
473088 County Road 124
Orangeville ON L9W 2Z6

Dear Mr. Holmes:

Re: **Groundwater Sampling Program**
517641 County Road 124, Melancthon, Ontario
Project No.: 300051826.0000

1.0 Introduction

R.J. Burnside & Associates Limited (Burnside) was retained by Holmes Agro Ltd. through coordination with Sollio Group Coopératif (SGC) to complete a Groundwater Sampling Program at 517641 County Road 124 in Melancthon, Ontario (Site). Burnside understands that the groundwater assessment is required as outlined in the Agreement between Holmes Agro Ltd. and the Township of Melancthon.

The Site is an irregular shape with a total area of approximately 2.10 ha (5.19 ac). The property is currently occupied and owned by Holmes Agro Ltd., an agricultural retailer. The Site is surrounded by agricultural lands and residential dwellings.

2.0 Scope of Work

The scope of work was based on the annual sampling program guidelines outlined in a report entitled; Ground Water Sampling Agreement, by the Corporation of the Township of Melancthon dated March 5, 2015. Based on the agreement, the annual sampling program is required for environmental due diligence.

Sampling was conducted as per the previous program and in accordance with the Ministry of Environment, Conservation and Parks (MECP) reference Guidance on Sampling and Analytical Methods at Contaminated Sites in Ontario, (2009), and Burnside Standard Operating Procedures (SOPs).

2.1 Sampling Procedures

The following details the scope of work completed for the Groundwater Sampling Program:

- reviewed the sampling and analysis plan;
- reviewed the Health and Safety protocols;

- recorded condition of the casing, surface seal, lock and well pipe;
- measured static groundwater levels;
- purged approximately three well volumes to allow formation water into the well pipe;
- measured and recorded field parameters;
- collected groundwater samples from three monitoring wells and one water supply well;
- submitted groundwater samples to ALS Environmental for analysis of contaminants of potential concern; and,
- prepared a report summarizing findings.

3.0 Sampling and Analysis Plan

The sampling and analysis plan was designed to evaluate groundwater quality at the Site. Parameters analyzed are outlined in Table 1:

Table 1: Parameters Analyzed

Well ID	Parameters Analyzed
BH10-118	Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN)
BH10-120	Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN)
BH11-122 II*	Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN)
Drinking Water Well DWW	Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN)
Drinking Water Well Duplicate DWW DUP**	Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN)

*BH11-122 II did not require substitution this year as adequate groundwater was available on the day of sampling, April 13, 2024.
 **Ideally the duplicate is collected from the most mineralized or most important well and a well that will not go dry during sampling. The duplicate has been collected from this well because it is least likely to go dry and it is considered the most important well on the Site. Consideration could be given to collect the duplicate sample from a different well, depending on site conditions, during the next sampling event.

3.1 Applicable Site Condition Standards

Water quality parameters associated with fertilizers such as Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN) are not included in the MECPS Site Condition Standards (SCS) listed in Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act. Instead, analytical results were compared to the Ontario Drinking Water Quality Standards (ODWQS) listed in Schedule 2 of Ontario Regulation 169/03.

4.0 Field Program

In addition to collecting groundwater samples the field program consists of noting the condition of monitoring wells, noting the presence of environmental concerns on the property, and transport of samples to an accredited laboratory.

4.1 Field Screening

Field screening was conducted by examining groundwater samples for any evidence of environmental concerns using visual and olfactory cues and noting any signs of sheen or unusual odours.

4.2 Groundwater Sampling

Groundwater samples were collected on April 13, 2024, in accordance with the above noted protocols. Prior to sample collection, static water levels were measured and approximately three well volumes were purged from the monitoring wells. During the well purging process, water quality parameters were measured using a Horiba U52 water quality meter. Groundwater quality parameters (temperature, pH, oxidation-reduction potential, conductivity, dissolved oxygen, total dissolved solids, and salinity) were measured on a continuous basis. Groundwater samples were collected once these parameters had stabilized, to ensure representative groundwater samples were collected. Static water level measurements are summarized in Table 2.

Table 2: Static Water Levels

Monitoring Well ID	Ground Surface Elevation (masl)*	Well Depth (mbgs)**	Static Water Level (mbgs)**	Static Water Elevation (masl)
BH10-118	510.38	12.88	8.25	502.13
BH10-120	511.37	12.79	7.43	503.94
BH11-122 II	511.66	10.45	9.09	502.57

* Ground surface data based on La Coop fédérée Annual Groundwater Sampling Report, 2019

** Measured April 13, 2024.

All field findings and water quality readings are recorded and retained by field staff.

Groundwater samples were placed into laboratory supplied bottles from ALS Environmental, which were pre-charged with preservatives where applicable. Disposable nitrile gloves (one pair per sample) were used throughout the process of groundwater sample collection.

4.3 Accredited Laboratory

Groundwater samples were submitted to ALS Environmental in Waterloo, Ontario under their chain of custody procedure and analyzed for Nitrate (as N), Nitrite (as N), Phosphate (as P) Total Phosphorous, Ammonia (as N), and Total Kjeldahl Nitrogen (TKN).

ALS Environmental utilize MECP, EPA, NIOSH, and Standard Methods, as well as other industry methods, in accordance with both federal and provincial legislations. ALS Environmental is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. ALS Environmental (Waterloo) is also accredited by the Canadian Association for Laboratory Accreditation Inc.

4.4 Quality Assurance and Quality Control Measures

The following quality control measures were implemented during the field investigation and collection of groundwater samples to ensure data quality.

4.4.1 Laboratory Supplied Sample Containers

Samples were collected in appropriate sample containers supplied by ALS Environmental. Where applicable, sample containers were pre-charged with preservatives by ALS Environmental prior to shipment to Burnside personnel.

4.4.2 Decontamination Procedures

To minimize cross contamination during the field investigation and collection of samples, the following measures were taken:

- water sampling tubes are dedicated to each individual groundwater monitoring well; and,
- new nitrile gloves were worn by Burnside staff for sampling each well.

4.4.3 Laboratory QA/QC

All samples, including field duplicate samples, were submitted to ALS Environmental under the chain of custody procedure. The laboratory quality control activities and quality assurance checks included the analysis of laboratory duplicates, method blanks, method blank spikes, matrix spikes and surrogate recoveries. No tested parameter was present in a detectable concentration in any laboratory method blank. The Relative Percent Difference (RPD) between laboratory duplicates was within acceptable limits for all parameters tested. The Reported Detection Limits (RDL) in the laboratory results are acceptable, as the RDL for each parameter is less than or equal to the guideline/standard. All quality assurance checks were within the laboratory's acceptable ranges for all parameters analyzed. The laboratory results for groundwater samples for this investigation are valid.

5.0 Review and Evaluation

5.1 Shallow Groundwater Flow

Static water levels measured in each monitoring well on April 13, 2024, ranged from 8.25 to 9.09 m bgs. Regional groundwater flow according to 2019 report is towards Pine River. Overburden groundwater flow based on measured wells is inferred to be south southeast.

5.2 Monitoring Well Conditions

All monitoring well surface seals, casings, and well pipes inspected during groundwater sampling were in good working condition with the exception of BH10-118. The hinge on the monument of BH10-118 has been damaged and is no longer secure, however the interior cap is intact, so the well is not compromised. The hinge repair is a straightforward mechanical repair that can be performed by a Class 5 Well Technician (such as the author).

Existing sample tubing and foot valves were in good condition.

5.3 Groundwater Quality

The results were compared to the ODWQS in Schedule 2 of Ontario Regulation 169/03.

Table 3 summarizes the results of the laboratory analysis of groundwater samples collected on April 13, 2024.

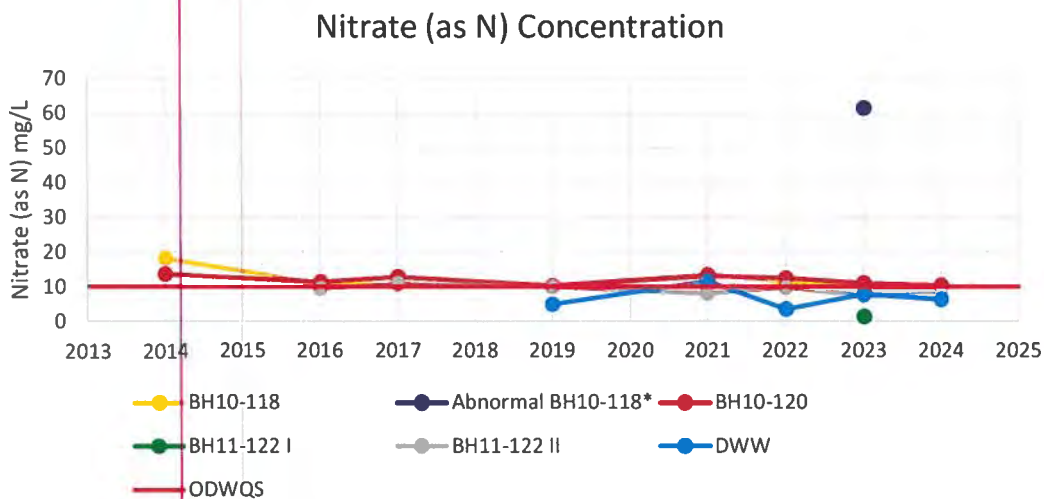
Table 3: Groundwater Quality

	Guideline/ Standard	Guideline/ Standard Concentration	BH10-118	BH10-120	BH11-122 II	DWW	DWW DUP
Nitrate (as N) (mg/L)	ODWQS	10.0	9.56	10.4	7.88	6.27	6.28
Nitrite (as N) (mg/L)	ODWQS	1.0	<0.010	<0.010	<0.010	<0.010	<0.010

With the exception of BH10-120, the analytical results indicate that all groundwater samples collected on April 13, 2024, were within ODWQS. BH10-120 had a nitrate concentration of 10.4 mg/L exceeding the ODWQS (10.0 mg/L). Historically BH10-118, BH10-120, BH11-122 II, and DWW have exceeded the ODWQS for nitrate. All monitoring wells had detections of nitrate, phosphate, total phosphorus, and TKN during the April 13, 2024, Site visit. BH10-118 had a detection of ammonia during the April 13, 2024, Site visit. There were no detections of nitrite in water sampled from any monitoring well or the supply.

Laboratory Certificates of Analyses are provided in Appendix A.

The following graph shows the Nitrate (as N) concentrations at BH10-118, BH10-120, BH11-122I, BH11122 II, and the water supply well (DWW) over time compared to the ODWQS.



*Not representative of the true water quality

Annual groundwater analytical data from 2014, 2016, 2017, and 2019 was provided in La Coop fédérée Annual Groundwater Sampling Report, 2019.

The singular value plotted for BH11-122I was identified during the March 15, 2023, sampling program where BH11-122I was substituted for BH11-122II which did not have adequate water to sample from on that day.

The singular abnormal value plotted for BH10-118 was identified during the March 15, 2023, sampling program. This result was rechecked by the laboratory and field procedures were reviewed but no clear explanation was identified. BH10-118 was resampled April 18, 2023, and the water sampled did not have nitrate concentrations exceeding the ODWQS.

Analytical results from the April 13, 2024, Site visits are comparable to historical groundwater conditions. The only monitoring station where nitrate concentrations exceeded ODWQS during the 2024 annual sampling program was BH10-120 (10.4 mg/L).

6.0 Conclusions

The findings of the Groundwater Sampling Program at 517641 County Road 124 in Melancthon, Ontario are as follows:

- Static water levels that were measured in each monitoring well on April 13, 2024, ranged from 8.25 to 9.09 mbgs. Regional groundwater flow according to 2019 report is towards Pine River. Overburden groundwater flow based on measured wells is inferred to be southeast.
- Analytical results from the April 13, 2024, Site visit determined that water sampled from BH10-120 had nitrate concentrations exceeding the ODWQS. The ODWQS for Nitrate (as N) is 10 mg/L. The nitrate concentration for BH10-120 was 10.4 mg/L.
- With the exception of BH10-120, analytical results determined that all water samples collected on April 13, 2024, were within ODWQS for Nitrate (10.0 mg/L).
- Nitrate trends over time show a drop between the initial sampling event and the 2016 sampling event. Similarly, nitrate trends show a gradual decline from the 2021 sampling event to present.
- The nitrate concentrations at BH11-122II (very shallow downgradient well) tend to hover around the ODWQS, only exceeding the ODWQS once in 2017 (10.8 mg/L). The nitrate concentrations at BH10-120 (upgradient background well) tend to hover slightly above the ODWQS, with the highest value reported in 2014 (13.6 mg/L). Historically, the nitrate concentrations at BH10-118 (downgradient monitoring well) and the water supply well (DWW) have shown the most variability. The highest nitrate concentrations reported for BH10-118 was in 2014 (18.1 mg/L) and the DWW only exceeded the ODWQS once in 2021 (11.5 mg/L).
- There does not appear to be a significant difference in the nitrate concentrations and trends between the upgradient and downgradient monitoring wells. The data suggests that the Site is not causing a significant impact to nitrate concentrations in the monitored area.
- All monitoring well surface seals, casings, and well pipes inspected during groundwater sampling were in good working condition except for BH10-118. The hinge on the monument of BH10-118 has been damaged and is no longer secure, however the interior cap is intact, so the well is not compromised.

7.0 Recommendations

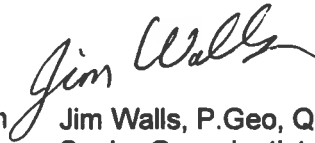
- There is an Agreement with the Township of Melancthon for Holmes Agro to carry out an annual groundwater monitoring program. However, based on the stable groundwater chemistry trends to date, a request to the Township of Melancthon could be made to have the monitoring program conducted every two years.
- The groundwater monitoring program should be conducted after the spring melt has occurred to ensure enough groundwater is present in the monitoring wells at the time of sampling.
- The hinge on the monument of BH10-118 should be repaired during the next annual sampling program by a Class 5 Well Technician.

Yours truly,

R.J. Burnside & Associates Limited



Caitlin Dermott, B.Sc., Class 5 Well Technician
Environmental Scientist
CD/JW:ao



Jim Walls, P.Geo, QP^{ESA}
Senior Geoscientist



Enclosures: Figure 1 – Borehole/Monitoring Well Locations (Figure 2 from La Coop fédérée Annual Groundwater Sampling Report, 2019)
Appendix A – Laboratory Certificate of Analysis

This document contains proprietary and confidential information. As such, it is for the sole use of the addressee and R.J. Burnside & Associates Limited, and proprietary information shall not be disclosed, in any manner, to a third party except by the express written consent of R.J. Burnside & Associates Limited. This document is deemed to be the intellectual property of R.J. Burnside & Associates Limited in accordance with Canadian copyright law.

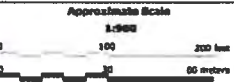
051826 Groundwater Assessment 2024 Spring
28/05/2024 9:15 AM

**HOLMES
AGRO**

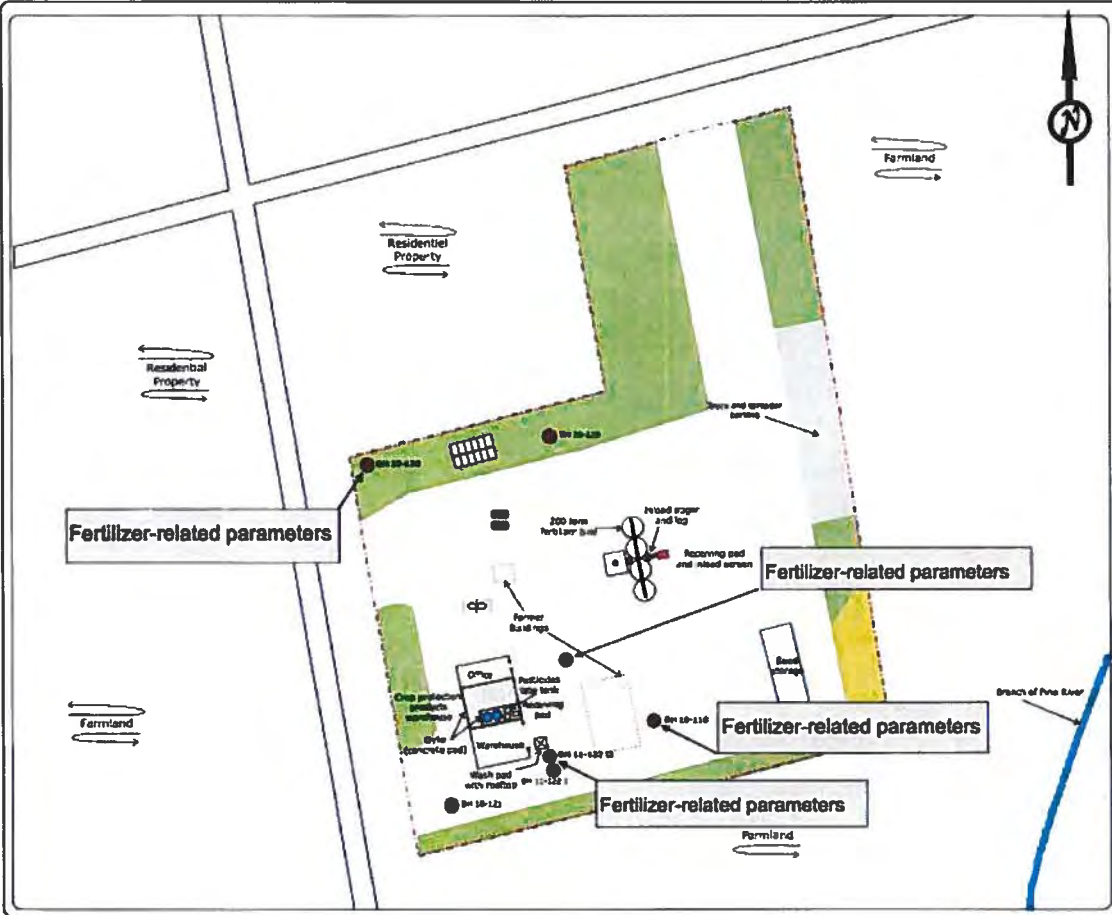
Figure 2
Annual Groundwater
Sampling Program
Restricted Hydrogeology Study and
Environmental Management Program
517625-517641, County Road 124
Wheaton, Ontario, L9V 1V6

- Grass Area
- Bare Surface Area
- Building
- Former Building
- Property Limit
- Regulated Area
- Concrete Surface Area
- Leaching Field
- Septic system
- Water well (lower aquifer)
- Monitoring well (upper aquifer)
- Elevator
- Enriched screen
- Conveyor
- 9000 liters bulk pesticides
- Spreader washings collecting pit
- Hydrocarbon tank
- Mixing tower scale-blender

Drawn by: S. Varti-Lachapelle
 Surveyed by: S. Horvath, S. De Goo
 Date: December 2014
 Source: ESR Project 1120123, Version 120111.
 Agriculture and Agri-Food Canada project plan
 2009-2011



La Coop
 Agri Services
 Environmental Department



CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: WT2408811	Page	: 1 of 8
Client	: R.J. Burnside & Associates Limited	Laboratory	: ALS Environmental - Waterloo
Contact	: Caitlin Dermott	Account Manager	: Amanda Overholster
Address	: 15 Townline Road Orangeville ON Canada L9W 3R4	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 519 938 3047	Telephone	: 1 416 817 2944
Project	: 300051826	Date Samples Received	: 16-Apr-2024 09 00
PO	: ---	Date Analysis Commenced	: 16-Apr-2024
C-O-C number	: 20-1082211	Issue Date	: 19-Apr-2024 19 08
Sampler	: CLIENT		
Site	: ---		
Quote number	: Q88745 - Solib Coop Group		
No. of samples received	: 5		
No. of samples analysed	: 5		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Nik Perko	Inorganics Analyst	Inorganics, Waterloo, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key : LOR: Limit of Reporting (detection limit).

<i>Unit</i>	<i>Description</i>
mg/L	milligrams per litre

>: greater than.

<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).

For drinking water samples, Red shading is applied where the result for E coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

<i>Qualifier</i>	<i>Description</i>
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
TKNI	TKN result may be biased low due to Nitrate interference. Nitrate-N is > 10x TKN



Analytical Results

			Client sample ID	BH10-120							
Sub-Matrix: Water (Matrix: Water)			Sampling date/time	13-Apr-2024 09:25							
Analyte	Method/Lab	LOR	Unit	WT2408811-001	ONDWS MAC	--	--	--	--	--	
Anions and Nutrients											
Ammonia, total (as N)	E298/WT	0.0050	mg/L	<0.0050	--	--	--	--	--	--	
Kjeldahl nitrogen, total [TKN]	E318/WT	0.050	mg/L	0.413	TKN	--	--	--	--	--	
Nitrite (as N)	E235 NO2/WT	0.010	mg/L	<0.010	1 mg/L	--	--	--	--	--	
Phosphate, ortho-, dissolved (as P)	E378-U/WT	0.0010	mg/L	0.0048	--	--	--	--	--	--	
Phosphorus, total	E372-U/WT	0.0020	mg/L	0.0766	DLM	--	--	--	--	--	
Nitrate (as N)	E235 NO3/WT	0.020	mg/L	10.4	10 mg/L	--	--	--	--	--	
Nitrate + Nitrite (as N)	EC235 N+NWT	0.0200	mg/L	10.4	10 mg/L	--	--	--	--	--	

Please refer to the General Comments section for an explanation of any result qualifiers detected

Please refer to the Accreditation section for an explanation of analyte accreditations

Summary of Guideline Breaches by Sample

SampleID/Client ID	Matrix	Analyte	Analyte Summary	Guideline	Category	Result	Limit
BH10-120	Water	Nitrate (as N)	Health basis of MAC: Methaemoglobinaemia (blue baby syndrome) and effects on thyroid gland function in bottle-fed infants. Other: Classified as possible carcinogen under conditions that result in endogenous nitrosation. Systems using chloramine disinfection or that have naturally occurring ammonia should monitor the level of nitrate in the distribution system. Homeowners with a well should test concentration of nitrate in their water supply.	ONDWS	MAC	10.4 mg/L	10 mg/L
	Water	Nitrate + Nitrite (as N)	Health basis of MAC: Methaemoglobinaemia (blue baby syndrome) and effects on thyroid gland function in bottle-fed infants. Other: Classified as possible carcinogen under conditions that result in endogenous nitrosation. Systems using chloramine disinfection or that have naturally occurring ammonia should monitor the level of nitrate in the distribution system. Homeowners with a well should test concentration of nitrate in their water supply.	ONDWS	MAC	10.4 mg/L	10 mg/L



Analytical Results

		Client sample ID		BH11-122II							
Sub-Matrix: Water		Sampling date/time		13-Apr-2024							
(Matrix: Water)		10:20		WT2408811-002		ONDWS	--	--	--	--	--
Analyte	Method/Lab	LOR	Unit		MAC						
Anions and Nutrients											
Ammonia, total (as N)	E298/WT	0.0050	mg/L	<0.0050	--	--	--	--	--	--	--
Kjeldahl nitrogen, total [TKN]	E318/WT	0.050	mg/L	0.438	TKN	--	--	--	--	--	--
Nitrite (as N)	E235 NO2/WT	0.010	mg/L	<0.010	1 mg/L	--	--	--	--	--	--
Phosphate, ortho-, dissolved (as P)	E378-U/WT	0.0010	mg/L	0.0022	--	--	--	--	--	--	--
Phosphorus, total	E372-U/WT	0.0020	mg/L	0.0819	DLM	--	--	--	--	--	--
Nitrate (as N)	E235 NO3/WT	0.020	mg/L	7.88	10 mg/L	--	--	--	--	--	--
Nitrate + Nitrite (as N)	EC235 N+NWT	0.0200	mg/L	7.88	10 mg/L	--	--	--	--	--	--

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

No Breaches Found

Key:
 ONDWS Ontario Drinking Water Regulation (JAN, 2020)
 MAC Schedule 1 (Microbiological) and 2 (Chemical) Standards (JAN,2020)



Analytical Results

Sub-Matrix: Water (Matrix: Water)		Client sample ID	DWW DUPLICATE								
		Sampling date/time	13-Apr-2024 10:45								
Analyte	Method/Lab	LOR	Unit	WT2408811-004	ONDWS MAC	--	--	--	--	--	
Anions and Nutrients											
Ammonia, total (as N)	E298/WT	0.0050	mg/L	<0.0050	--	--	--	--	--	--	
Kjeldahl nitrogen, total [TKN]	E318/WT	0.050	mg/L	0.330 TKN	--	--	--	--	--	--	
Nitrite (as N)	E235 NO2/WT	0.010	mg/L	<0.010	1 mg/L	--	--	--	--	--	
Phosphate, ortho-, dissolved (as P)	E378-U/WT	0.0010	mg/L	0.0036	--	--	--	--	--	--	
Phosphorus, total	E372-U/WT	0.0020	mg/L	0.0090	--	--	--	--	--	--	
Nitrate (as N)	E235 NO3/WT	0.020	mg/L	6.28	10 mg/L	--	--	--	--	--	
Nitrate + Nitrite (as N)	EC235 N+NAWT	0.0200	mg/L	6.28	10 mg/L	--	--	--	--	--	

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

No Breaches Found

Key:
 ONDWS Ontario Drinking Water Regulation (JAN, 2020)
 MAC Schedule 1 (Microbiological) and 2 (Chemical) Standards (JAN 2020)



Analytical Results

				Client sample ID	BH10-118					
				Sampling date/time	13-Apr-2024 11:15					
Analyte	Method/Lab	LOR	Unit	WT2408811-005	ONDWS MAC	--	--	--	--	--
Anions and Nutrients										
Ammonia, total (as N)	E298/WT	0.0050	mg/L	0.0068	--	--	--	--	--	--
Kjeldahl nitrogen, total [TKN]	E318/WT	0.050	mg/L	0.658	TKN	--	--	--	--	--
Nitrite (as N)	E235 NO2/WT	0.010	mg/L	<0.010	1 mg/L	--	--	--	--	--
Phosphate, ortho-, dissolved (as P)	E378-U/WT	0.0010	mg/L	0.0051	--	--	--	--	--	--
Phosphorus, total	E372-U/WT	0.0020	mg/L	0.223	DLM	--	--	--	--	--
Nitrate (as N)	E235 NO3/WT	0.020	mg/L	9.56	10 mg/L	--	--	--	--	--
Nitrate + Nitrite (as N)	EC235.N+NWT	0.0200	mg/L	9.56	10 mg/L	--	--	--	--	--

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

No Breaches Found

Key:
 ONDWS Ontario Drinking Water Regulation (JAN, 2020)
 MAC Schedule 1 (Microbiological) and 2 (Chemical) Standards (JAN, 2020)



QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: WT2408811	Page	: 1 of 9
Client	: R.J. Burnside & Associates Limited	Laboratory	: ALS Environmental - Waterloo
Contact	: Caitlin Dermott	Account Manager	: Amanda Overholster
Address	: 15 Townline Road Orangeville ON Canada L9W 3R4	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 519 938 3047	Telephone	: 1 416 817 2944
Project	: 300051826	Date Samples Received	: 16-Apr-2024 09:00
PO	: ---	Issue Date	: 19-Apr-2024 19:08
C-O-C number	: 20-1082211		
Sampler	: CLIENT		
Site	: ---		
Quote number	: Q88745 - Solio Coop Group		
No. of samples received	: 5		
No. of samples analysed	: 5		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

- Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
- CAS Number: Chemical Abstracts Service number (a unique identifier assigned to discrete substances).
- DQO: Data Quality Objective.
- LOR: Limit of Reporting (detection limit).
- RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- No Analysis Holding Time Outliers exist

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur



Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: * = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval	
Anions and Nutrients : Ammonia by Fluorescence											
Amber glass total (sulfuric acid) BH10-118	E298	13-Apr-2024	17-Apr-2024	28 days	4 days	✓	17-Apr-2024	28 days	4 days	✓	
Anions and Nutrients : Ammonia by Fluorescence											
Amber glass total (sulfuric acid) BH10-120	E298	13-Apr-2024	17-Apr-2024	28 days	4 days	✓	17-Apr-2024	28 days	4 days	✓	
Anions and Nutrients : Ammonia by Fluorescence											
Amber glass total (sulfuric acid) BH11-122II	E298	13-Apr-2024	17-Apr-2024	28 days	4 days	✓	17-Apr-2024	28 days	4 days	✓	
Anions and Nutrients : Ammonia by Fluorescence											
Amber glass total (sulfuric acid) DWW	E298	13-Apr-2024	17-Apr-2024	28 days	4 days	✓	17-Apr-2024	28 days	4 days	✓	
Anions and Nutrients : Ammonia by Fluorescence											
Amber glass total (sulfuric acid) DWW DUPLICATE	E298	13-Apr-2024	17-Apr-2024	28 days	4 days	✓	17-Apr-2024	28 days	4 days	✓	
Anions and Nutrients : Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)											
HDPE [ON MECP] BH10-118	E378-U	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	18-Apr-2024	7 days	5 days	✓	
Anions and Nutrients : Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)											
HDPE [ON MECP] BH10-120	E378-U	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	18-Apr-2024	7 days	5 days	✓	



Analyte Group : Analytical Method			Evaluation : * = Holding time exceedance ; ✓ = Within Holding Time								
Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis				
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval	
				Rec	Actual			Rec	Actual		
Anions and Nutrients : Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)											
HDPE [ON MECP] BH11-122II	E378-U	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	18-Apr-2024	7 days	5 days	✓	
Anions and Nutrients : Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)											
HDPE [ON MECP] DWW	E378-U	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	18-Apr-2024	7 days	5 days	✓	
Anions and Nutrients : Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)											
HDPE [ON MECP] DWW DUPLICATE	E378-U	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	18-Apr-2024	7 days	5 days	✓	
Anions and Nutrients : Nitrate in Water by IC											
HDPE [ON MECP] BH10-118	E235.NO3	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓	
Anions and Nutrients : Nitrate in Water by IC											
HDPE [ON MECP] BH10-120	E235.NO3	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓	
Anions and Nutrients : Nitrate in Water by IC											
HDPE [ON MECP] BH11-122II	E235.NO3	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓	
Anions and Nutrients : Nitrate in Water by IC											
HDPE [ON MECP] DWW	E235.NO3	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓	
Anions and Nutrients : Nitrate in Water by IC											
HDPE [ON MECP] DWW DUPLICATE	E235.NO3	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓	
Anions and Nutrients : Nitrate in Water by IC											
HDPE [ON MECP] BH10-118	E235.NO2	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓	



Matrix: Water Evaluation * = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation						Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval		
				Rec	Actual			Rec	Actual			
Anions and Nutrients : Nitrite in Water by IC												
HDPE [ON MECP] BH10-120	E235.NO2	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓		
Anions and Nutrients : Nitrite in Water by IC												
HDPE [ON MECP] BH11-122II	E235.NO2	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓		
Anions and Nutrients : Nitrite in Water by IC												
HDPE [ON MECP] DWW	E235.NO2	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓		
Anions and Nutrients : Nitrite in Water by IC												
HDPE [ON MECP] DWW DUPLICATE	E235.NO2	13-Apr-2024	16-Apr-2024	7 days	3 days	✓	17-Apr-2024	7 days	4 days	✓		
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)												
Amber glass total (sulfuric acid) BH10-118	E318	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓		
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)												
Amber glass total (sulfuric acid) BH10-120	E318	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓		
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)												
Amber glass total (sulfuric acid) BH11-122II	E318	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓		
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)												
Amber glass total (sulfuric acid) DWW	E318	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓		
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)												
Amber glass total (sulfuric acid) DWW DUPLICATE	E318	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓		



Matrix: Water Evaluation: * = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) BH10-118	E372-U	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) BH10-120	E372-U	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) BH11-122II	E372-U	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) DWW	E372-U	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (0.002 mg/L)										
Amber glass total (sulfuric acid) DWW DUPLICATE	E372-U	13-Apr-2024	18-Apr-2024	28 days	5 days	✓	18-Apr-2024	28 days	5 days	✓

Legend & Qualifier Definitions

Rec. HT: ALS recommended hold time (see units).



Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Evaluation * = QC frequency outside specification; ✓ = QC frequency within specification.

Matrix: Water

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		Evaluation
			QC	Regular	Actual	Expected	
Laboratory Duplicates (DUP)							
Ammonia by Fluorescence	E298	1406246	1	20	5.0	5.0	✓
Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)	E378-U	1404498	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	1404493	1	13	7.6	5.0	✓
Nitrite in Water by IC	E235.NO2	1404494	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	1406240	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	1406245	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
Ammonia by Fluorescence	E298	1406246	1	20	5.0	5.0	✓
Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)	E378-U	1404498	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	1404493	1	13	7.6	5.0	✓
Nitrite in Water by IC	E235.NO2	1404494	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	1406240	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	1406245	1	20	5.0	5.0	✓
Method Blanks (MB)							
Ammonia by Fluorescence	E298	1406246	1	20	5.0	5.0	✓
Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)	E378-U	1404498	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	1404493	1	13	7.6	5.0	✓
Nitrite in Water by IC	E235.NO2	1404494	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	1406240	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	1406245	1	20	5.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	1406246	1	20	5.0	5.0	✓
Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)	E378-U	1404498	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	1404493	1	13	7.6	5.0	✓
Nitrite in Water by IC	E235.NO2	1404494	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	1406240	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U	1406245	1	20	5.0	5.0	✓



Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by *mod').

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Nitrite in Water by IC	E235 NO2 ALS Environmental - Waterloo	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235 NO3 ALS Environmental - Waterloo	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Ammonia by Fluorescence	E298 ALS Environmental - Waterloo	Water	Method Fialab 100, 2018	Ammonia in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 ALS Environmental - Waterloo	Water	Method Fialab 100, 2018	TKN in water is determined by automated continuous flow analysis with membrane diffusion and fluorescence detection, after reaction with OPA (ortho-phthalaldehyde). This method is approved under US EPA 40 CFR Part 136 (May 2021).
Total Phosphorus by Colourimetry (0.002 mg/L)	E372-U ALS Environmental - Waterloo	Water	APHA 4500-P E (mod)	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Orthophosphate by Colourimetry (Ultra Trace Level 0.001 mg/L)	E378-U ALS Environmental - Waterloo	Water	APHA 4500-P F (mod)	Dissolved Orthophosphate is determined colourimetrically on a sample that has been lab or field filtered through a 0.45 micron membrane filter. Field filtration is recommended to ensure test results represent conditions at time of sampling.
Nitrate and Nitrite (as N) (Calculation)	EC235 N+N ALS Environmental - Waterloo	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 ALS Environmental - Waterloo	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 ALS Environmental - Waterloo	Water	APHA 4500-Norg D (mod)	Samples are digested at high temperature using Sulfuric Acid with Copper catalyst, which converts organic nitrogen sources to Ammonia, which is then quantified by the analytical method as TKN. This method is unsuitable for samples containing high levels of nitrate. If nitrate exceeds TKN concentration by ten times or more, results may be biased low.

Page : 9 of 9
Work Order : WT2408811
Client : R J Burnside & Associates Limited
Project : 300051826



Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 ALS Environmental - Waterloo	Water	APHA 4500-P E (mod)	Samples are heated with a persulfate digestion reagent

QUALITY CONTROL REPORT

Work Order	: WT2408811	Page	: 1 of 5
Client	: R. J. Burnside & Associates Limited	Laboratory	: ALS Environmental - Waterloo
Contact	: Caitlin Dermott	Account Manager	: Amanda Overholster
Address	: 15 Townline Road Orangeville ON Canada L9W 3R4	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 519 938 3047	Telephone	: 1 416 817 2944
Project	: 300051826	Date Samples Received	: 16-Apr-2024 09:00
PO	: ---	Date Analysis Commenced	: 16-Apr-2024
C-O-C number	: 20-1082211	Issue Date	: 19-Apr-2024 19:08
Sampler	: CLIENT		
Site	: ---		
Quote number	: Q88745 - Solio Coop Group		
No. of samples received	: 5		
No. of samples analysed	: 5		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report, Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report, Recovery and Data Quality Objectives
- Method Blank (MB) Report, Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report, Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Nik Perfo	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario

Page : 2 of 5
Work Order : WT2408811
Client : R J Burnside & Associates Limited
Project : 300051826



General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

- Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot
- CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
- DQO = Data Quality Objective
- LOR = Limit of Reporting (detection limit).
- RPD = Relative Percent Difference
- # = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "--" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Page : 3 of 5
 Work Order : WT2408811
 Client : R.J. Burnside & Associates Limited
 Project : 300051826



Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: Water

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Anions and Nutrients (QC Lot: 1404493)											
WT2408560-001	Anonymous	Nitrate (as N)	14797-55-8	E235 NO3	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	---
Anions and Nutrients (QC Lot: 1404494)											
WT2408560-001	Anonymous	Nitrite (as N)	14797-65-0	E235 NO2	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	---
Anions and Nutrients (QC Lot: 1404498)											
WT2408664-001	Anonymous	Phosphate, ortho-, dissolved (as P)	14265-44-2	E378-U	0.0020	mg/L	0.0461	0.0454	1.57%	20%	---
Anions and Nutrients (QC Lot: 1406240)											
WT2408669-001	Anonymous	Kjeldahl nitrogen, total [TKN]	---	E318	5.00	mg/L	69.3	71.0	2.41%	20%	---
Anions and Nutrients (QC Lot: 1406245)											
WT2408668-001	Anonymous	Phosphorus, total	7723-14-0	E372-U	0.0200	mg/L	2.51	2.50	0.136%	20%	---
Anions and Nutrients (QC Lot: 1406246)											
WT2408668-001	Anonymous	Ammonia, total (as N)	7664-41-7	E298	1.00	mg/L	16.5	15.8	4.73%	20%	---

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Anions and Nutrients (QC Lot: 1404493)						
Nitrate (as N)	14797-55-8	E235 NO3	0.02	mg/L	<0.020	---
Anions and Nutrients (QC Lot: 1404494)						
Nitrite (as N)	14797-65-0	E235 NO2	0.01	mg/L	<0.010	---
Anions and Nutrients (QC Lot: 1404498)						
Phosphate, ortho-, dissolved (as P)	14265-44-2	E378-U	0.001	mg/L	<0.0010	---
Anions and Nutrients (QC Lot: 1406240)						
Kjeldahl nitrogen, total [TKN]	---	E318	0.05	mg/L	<0.050	---
Anions and Nutrients (QC Lot: 1406245)						
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	---
Anions and Nutrients (QC Lot: 1406246)						
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	---

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 Work Order : WT2408811
 Client : R J Burnside & Associates Limited
 Project : 300051826



Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Target Concentration	Recovery (%)	Recovery Limits (%)		Qualifier
					LCS	Low	High		
Anions and Nutrients (QCLot: 1404493)									
Nitrate (as N)	14797-55-8	E235 NO3	0.02	mg/L	2.5 mg/L	100	90.0	110	---
Anions and Nutrients (QCLot: 1404494)									
Nitrite (as N)	14797-65-0	E235 NO2	0.01	mg/L	0.5 mg/L	96.6	90.0	110	---
Anions and Nutrients (QCLot: 1404498)									
Phosphate, ortho-, dissolved (as P)	14265-44-2	E378-U	0.001	mg/L	0.031 mg/L	106	80.0	120	---
Anions and Nutrients (QCLot: 1406240)									
Kjeldahl nitrogen, total [TKN]	---	E318	0.05	mg/L	4 mg/L	97.0	75.0	125	---
Anions and Nutrients (QCLot: 1406245)									
Phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.434 mg/L	105	80.0	120	---
Anions and Nutrients (QCLot: 1406246)									
Ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	100	85.0	115	---



Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: Water

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		Qualifier
					Concentration	Target	MS	Low	High	
Anions and Nutrients (QCLot: 1404493)										
WT2408560-001	Anonymous	Nitrate (as N)	14797-55-8	E235 NO3	12.3 mg/L	12.5 mg/L	98.8	75.0	125	---
Anions and Nutrients (QCLot: 1404494)										
WT2408560-001	Anonymous	Nitrite (as N)	14797-65-0	E235 NO2	2.39 mg/L	2.5 mg/L	95.6	75.0	125	---
Anions and Nutrients (QCLot: 1404498)										
WT2408664-001	Anonymous	Phosphate, ortho-, dissolved (as P)	14265-44-2	E378-U	ND mg/L	---	ND	70.0	130	---
Anions and Nutrients (QCLot: 1406240)										
WT2408669-001	Anonymous	Kjeldahl nitrogen, total (TKN)	---	E318	ND mg/L	---	ND	70.0	130	---
Anions and Nutrients (QCLot: 1406245)										
WT2408668-001	Anonymous	Phosphorus, total	7723-14-0	E372-U	ND mg/L	---	ND	70.0	130	---
Anions and Nutrients (QCLot: 1406246)										
WT2408668-001	Anonymous	Ammonia, total (as N)	7664-41-7	E298	ND mg/L	---	ND	75.0	125	---

61-104
N-425



Chain of Custody (COC) / Analytical Request Form

COC Number: 20-1082211

Canada Toll Free: 1 800 668 9878

Page

Environmental Division
Waterloo
Work Order Reference
WT2408811



Telephone - 1 519 886 6910

Report To Contact and company name below will appear on the final report		Reports / Recipients		Turnaround Time (TAT) Requested	
Company: RJBurnside + Associates Ltd.		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)		<input checked="" type="checkbox"/> Routine (R) if received by 3pm M-F - no surcharges apply	
Contact: Caitlin Dermott		Merge QC/QCI Reports with COA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		<input type="checkbox"/> 4 day (P4) if received by 3pm M-F - 20% rush surcharge mfr	
Phone: 519 288 6580		<input checked="" type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked		<input type="checkbox"/> 3 day (P3) if received by 3pm M-F - 25% rush surcharge mfr	
Company address below will appear on the final report		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX		<input type="checkbox"/> 2 day (P2) if received by 3pm M-F - 50% rush surcharge mfr	
Street: 15 Townline		Email 1 or Fax: Caitlin.dermott@rjburnside.com		<input type="checkbox"/> 1 day (E) if received by 3pm M-F - 100% rush surcharge mfr	
City/Province: Orangeville / ON		Email 2:		<input type="checkbox"/> Same day (E2) if received by 10am M-F - 20% rush surcharge, may apply to mail requests on weekends, statutory holidays and in	
Postal Code: L9W 3R4		Email 3:		For all tests with rush TATs requested, please indicate "Rush TAT" on the report.	
Invoice To: Same as Report To <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Invoice Recipients		Analysis	
Copy of Invoice with Report <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX		For all tests with rush TATs requested, please indicate "Rush TAT" on the report.	
Company: RJBurnside + Associates Ltd.		Email 1 or Fax: Caitlin.dermott@rjburnside.com		Indicate "Retard (R)", "Preserved (P)" or "Filtered (F)".	
Contact: Caitlin Dermott		Email 2: aad@rjburnside.com		NUMBER OF CONTAINERS	
Project Information		ALS Account # / Quote #: NEBL 100 / Q88745 - Solio Coop		AFECost Center: PO#	
Job #: 300051826		Major/Author Code: Routing Code.		Requisitioner:	
PO / AFE:		Location:		ALS Contact:	
LSD:		Sampler:		Date	
Sample Identification and/or Coordinates (This description will appear on the report)		Time (hh:mm)		Sample Type	
BH10-120		13-APR-24 09:25		GW	
BH11-122 II		13-APR-24 10:20		GW	
DWW		13-APR-24 10:45		GW	
DWW Duplicate		13-APR-24 10:45		GW	
BH10-118		13-APR-24 11:15		GW	
Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)		Please compare results to O.Reg. 169/03 ODWQS		SAMPLER INFORMATION	
Drinking Water (DW) Samples (client use)		Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Are samples for human consumption use? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
SHIPMENT RELEASE (client use)		Released by: Caitlin Dermott		Date: 2024/04/15	
Time: 6:00am		Signature: [Signature]		Date: 2024/04/15	

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION. WHITE - LABORATORY COPY YELLOW - CLIENT COPY. Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.



TOWNSHIP OF EAST GARAFRAXA
065371 DUFFERIN COUNTY ROAD 3 • UNIT 2
EAST GARAFRAXA • ON • L9W 7J8
T: 226-259-9400 • TOLL FREE: 877-868-5967 • F: 1-226-212-9812
www.eastgarafraxa.ca

August 2, 2024

Independent Electrical System Operator
By email: engagement@ieso.ca

Resolution Re: Wind Turbine Projects

At the regular Council Meeting held on June 11, 2024 the following resolution was passed:

MOVED BY HALLS, SECONDED BY STIRK

BE IT RESOLVED THAT:

WHEREAS the Independent Electrical System Operator (the IESO) has proposed to move forward with three RFPs where new wind turbine projects can receive a contract from the IESO;

and WHEREAS people living near existing wind turbines report considerable impacts on their lives due to noise and other emissions from the wind turbines;

and WHEREAS there are gaps in the enforcement of key terms of the Renewable Energy Approvals governing existing projects relative to noise standards and resolution of complaints;

and WHEREAS municipal approval is required to locate one of these projects in the Township of East Garafraxa;

THEREFORE BE IT RESOLVED THAT the Council does not support the establishment of any new wind turbine projects within the municipality; and THAT the IESO be directed to advise potential applicants of this resolution.

CARRIED

Sincerely,

Shannon Peart
Administrative Assistant/ Clerk's Department
Corporation of the Township of East Garafraxa

cc: Honourable Syliva Jones, MPP Dufferin-Caledon
The Hon. Todd Smith - Minister of Energy - MinisterEnergy@ontario.ca
David Donovan, Chief of Staff, david.donovan@ontario.ca
Association of Municipalities of Ontario - policy@amo.on.ca
Multi-Municipal Energy Working Group – jhamilton@arran-elderslie.ca
Dufferin County and Local Municipalities

INFO 5

AUG 15 2024



The Corporation of the Township of Southgate Notice of Virtual Public Meeting Concerning a Proposed Official Plan and Zoning By-law Amendment

What: The Township seeks input on proposed Official Plan policies and Zoning provisions for renewable energy facilities and energy storage systems be proposed within the municipality.

Public Meeting Date: August 28, 2024, at 1:00 PM

Location of the Public Meeting: Please join the electronic public meeting from your computer, tablet, or smartphone at the below link:

<https://zoom.us/j/95341385964?pwd=bDd6OTJWYStGWnRESkxORUZwL25Ddz09>

You can also dial-in using your phone. **Phone:** [+1 647 374 4685](tel:+16473744685) **Meeting ID:** 953 4138 5964
Passcode: 336403

How can I participate in the Public Meeting?

Public participation is encouraged. To participate in the virtual meeting, please contact Lindsey Green, Clerk, by email at: lgreen@southgate.ca or by telephone at: 519-923-2110 ext. 230

What if I can't attend the Public Meeting?

You can learn more about the proposed development by contacting the Township office, or by reading the materials on the website at the below link(s). You may choose to submit comments via letter or email after taking the time to learn about the proposed development. See the relevant contact information below:

[Web Link Official Plan and Zoning Amendment Renewable Energy & Battery Storage](#)

What can I expect at the Public Meeting?

The public meeting is an opportunity for members of the public to learn more about the proposed policies and zoning rules for renewable energy projects that may be proposed in the Township of Southgate. Attendees can hear a brief presentation about the development, ask questions, and/or make statements either in favour of, or in opposition to the development. No decisions are made at this meeting, it is an opportunity to learn and provide feedback.

What is being proposed through the applications?

Since 2019 large scale energy ventures, windmills and/or solar projects must meet local municipal planning policies and zoning rules. The Township Official Plan encourages renewable energy facilities, but the zoning bylaw provides no regulations to control these facilities. At its [April 30, 2024 meeting](#) Council considered a [Planning Report on Renewable Energy](#) rules and regulations and possible options to update the Township Official Plan and Zoning Bylaw.

Council passed a resolution that the public be consulted on amending the Township Official Plan and Zoning Bylaw to clarify policy and procedures for renewable energy applications, define renewable energy facilities in the zoning bylaw and clarify rules to ensure renewable energy facilities are not permitted in all zones (Section 5.19).

The proposed Township Official Plan Amendment adds policies to restrict land use designations where renewable energy projects may be allowed, require renewable energy facilities and energy storage systems to be defined, require a site-specific zoning amendment for any new renewable energy facility or energy storage system, and confirm the Township may require setbacks for such projects that exceed minimum standards if warranted.

The Zoning By-Law Amendment will insert definition of Energy Storage System and Renewable Energy Facilities and change section 5.19 so that no renewable energy facility or energy storage system as defined will be permitted in any zone unless by site specific zoning bylaw amendment, unless the facility or storage is for a single property for and individual private user.

The effect of this proposal will be to limit areas in the Township where large scale renewable energy facilities and battery storage facilities are permitted and ensure each new proposal requires a site-specific rezoning with public meeting.

To support this proposal, a [Planning Report on Renewable Energy](#) is available on the [Township Website Link](#).

Why is this Public Meeting being held and what are your rights?

In Ontario, the planning and development process is open and transparent, where opinions from all individuals and groups are welcomed. To change its policies and zoning rules the Township



The Corporation of the Township of Southgate Notice of Virtual Public Meeting Concerning a Proposed Official Plan and Zoning By-law Amendment

must hold a public meeting. This meeting is one of your chances to learn about the proposed changes and offer your opinions. Under the legislation covering this process, you have the following rights:

1. Attend the public meeting and/or make written or verbal representation either in support of or in opposition to the proposed Official Plan Amendment and Zoning By-law Amendment.
2. If a person or public body would otherwise have an ability to appeal the decision of the Township of Southgate to the Ontario Land Tribunal but the person or public body does not make oral submissions at a public meeting or make written submissions to the Township of Southgate before the Township Official Plan and/or zoning by-law amendment is approved or refused, the person or public body is not entitled to appeal the decision.
3. If a person or public body does not make oral submissions at a public meeting or make written submissions to the Township of Southgate before the Township Official Plan or zoning by-law amendment is approved or refused, the person or public body may not be added as a party to the hearing of an appeal before the Ontario Land Tribunal unless, in the opinion of the Tribunal, there are reasonable grounds to add the person or public body as a party.
4. Section 17(36) and Section 34(19) define the parties that are eligible to appeal the decision on the Official Plan or Zoning Bylaw amendment to the Ontario Land Tribunal.
5. If you wish to be notified of the decision of the Council of the Township of Southgate on the proposed Township Official Plan Amendment or Zoning By-law Amendment, you must make a written request to the Township of Southgate using the contact information noted above, and quote File **OPA 1-24** and/or **C20-24**.

If you have questions, please do not hesitate to contact Township staff, who can answer questions on the proposed changes, or the planning process.

Notice dated this **31st day of July 2024** at the Township of Southgate.

A note about information you may submit to the Township:

Under the authority of the Municipal Act, 2001 and in accordance with Ontario's Municipal Freedom of Information and Protection of Privacy Act (MFIPPA), all information provided for, or at a Public Meeting, Public Consultation, or other Public Process are considered part of the public record, including resident deputations. This information may be posted on the Township or County websites, and/or made available to the public upon request. **Please note that all submissions and the personal information contained therein will become part of the public record in their entirety and may be posted to Southgate's website.**

Please be aware that the public meeting may be broadcast online and may be recorded.

Lindsey Green, Clerk
lgreen@southgate.ca
Township of Southgate
185667 Grey Rd 9,
Dundalk, ON NOC 1B0
Phone: (519) 923-2110 ext. 230



July 15, 2024

Ministry of Transportation
777 Bay Street, 5th Floor
Toronto ON M7A 1Z8

Honourable Prabmeet Sarkaria:

At its regular meeting on July 11, 2024, Dufferin County Council passed the following resolution:

THAT staff and Council advocate to the Ministry of Transportation for safety features on Highway 10, specifically at the intersection of Dufferin Road 17 and Highway 10;

AND THAT the safety of Highway 10 be discussed at the requested Association of Municipalities of Ontario (AMO) conference delegation;

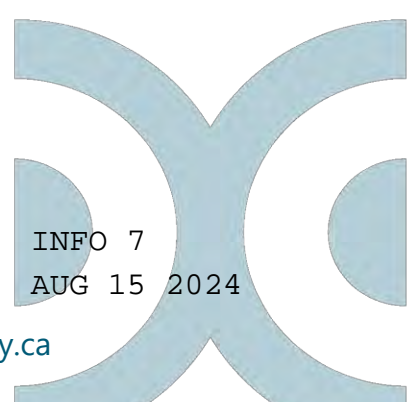
AND THAT the resolution be circulated to the Premier, the Ministry of Red Tape Reduction, and MPP Sylvia Jones.

Thank you,

Michelle Dunne

Michelle Dunne
Clerk

Cc Premier Doug Ford
Ministry of Red Tape Reduction
Sylvia Jones MPP Dufferin-Caledon
Dufferin Clerks



INFO 7
AUG 15 2024



Integrated Monitoring Plan for Melancthon Pit #2 and the Bonniefield Property Pit

Summary of 2023 Biological Survey Results

Prepared for:

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

Project No. 764N/1748G | July 2024



NATURAL RESOURCE SOLUTIONS INC.

Aquatic, Terrestrial and Wetland Biologists

INFO 8

AUG 15 2024

Integrated Monitoring Plan for Melancthon Pit #2 and the Bonnefield Property Pit
Summary of 2023 Biological Survey Results

Project Team

Staff	Role
Ryan Archer	Project Advisor/Senior Terrestrial and Wetland Biologist
Kathryn Hoo	Project Manager/Terrestrial and Wetland Biologist
Elizabeth Milne	Terrestrial and Wetland Biologist
Kaitlin Filippov	GIS Technician

Report submitted on July 12, 2024



Kathryn Hoo
Project Manager
Terrestrial and Wetland Biologist

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Appendix I Integrated Monitoring Plan

Appendix II 2023 Calling Amphibian Survey Results By Survey Visit

Appendix III Supplementary Data Collected During 2023 Survey Visits

Maps

Map 1 Melancthon Pit #2 and Bonnefield Property Study Area

Map 2 Melancthon Pit #2 and Bonnefield Property Amphibian Monitoring Stations

1.0 Introduction

Natural Resource Solutions Inc. (NRSI) was retained in 2023 by Strada Aggregates to continue an annual anuran (frog and toad) monitoring program for Melancthon Pit #2 (also known as Shelburne South Pit), located on 4th Line in the Township of Melancthon, Dufferin County (Map 1). The annual monitoring program was recommended in the Level 1 and 2 Natural Environment Assessment (NEA) reports for the subject property as completed by NRSI and recommended by Michalski Nielson in their review of the NEA Level 2 report (NRSI 2010).

In accordance with the Integrated Monitoring Plan for biological and hydrogeological monitoring within the existing and future Strada Aggregates pit operations (Appendix I), NRSI expanded this monitoring program in 2018 to integrate additional anuran monitoring within the Bonnefield property pit expansion (see Map 1). Annual monitoring at the wetland located on the Bonnefield property was recommended in NRSI's NEA report for the Prince and Bonnefield properties (NRSI 2017), which documented the presence of breeding amphibians within the wetland during 2016 surveys. The Bonnefield property pit expansion is fully integrated with the existing aggregate operations at Melancthon Pits #1 and #2. The former Bonnefield property is now owned by Strada Aggregates, but for simplicity is simply referred to as the "Bonnefield Property" in this report.

The monitoring program was designed to include the following:

1. Annual monitoring of the on-site wetlands to understand the presence and abundance of breeding amphibians (NRSI), and,
2. Annual surface and groundwater monitoring to assess water level fluctuations in the small on-site wetland pockets (Whitewater Hydrogeology, Tatham Engineering).

Aggregate extraction operations at Melancthon Pit #2 commenced in 2014, including construction of facility structures (e.g., truck laneways, scale house installation). 2023 therefore represented the 10th year of facility operation on the property. Existing on-site wetland features have been maintained in accordance with the Operational Plan. 2023 also represented the 2nd year of extraction operations and operational-phase annual biological and hydrogeological wetland monitoring on the Bonnefield property. See Map 1 for the Melancthon Pit #2 and Bonnefield property locations.

This report summarizes the results of anuran surveys completed in 2023 at both Melancthon Pit #2 and the Bonnefield property. The results of the Melancthon Pit surveys were compared to baseline (pre-extraction) data collected by NRSI in 2009 (as part of the NEA Level 2 study) and 2013. Operational-stage data (2014-2023) were also examined for any trends or notable variations in data among years within the operational stage of the pit. The 2023 Bonnefield property surveys represent the second year of the operational-phase monitoring period on the property, and were compared to baseline data collected by NRSI in 2016 and 2018-2021, and year one of operational-stage data collected in 2022.

The overall objective of this study is to monitor temporal breeding anuran species presence and relative abundance (i.e., calling codes; see Methods below) within and between the pre-extraction and operational phases of Melancthon Pit #2 and the Bonnefield property pit expansion within an integrated study. Anuran survey results are also compared against annual surface water and groundwater monitoring data, collected by Whitewater Hydrogeology Ltd.

(2014-2022) and Tatham Engineering Ltd. (2023), to assess potential relationships with anuran breeding habitat conditions. If significant changes in biological and hydrological conditions are observed, it may suggest negative impacts caused by pit operations, and may trigger the need for additional recommendations to adequately address and mitigate those impacts.

2.0 Methods

2.1 Anuran Call Surveys

Anuran call surveys were completed at Melancthon Pit #2 and the Bonnefield property during three night-time survey visits on April 12, May 15, and June 22, 2023, following the Marsh Monitoring Program amphibian survey protocol (Bird Studies Canada 2009). All stations that were surveyed in 2014-2022 were again surveyed in 2023 (Map 2).

Using standardized survey forms, NRSI biologists identified by sound all species that were calling within 50m, 50-100m, or greater than 100m from each station during a 3-minute passive listening period. For each documented species, a three-level calling code system was used as a qualitative measure of relative abundance. Calling code 1 was used when abundances were low enough that the number of calling individuals could be estimated and calls did not overlap; calling code 2 was used when the calls overlapped somewhat but the number of individuals could still be estimated; calling code 3 was used when the group was calling as a full chorus and it was not possible to estimate number of individuals. Each species recorded on the survey form was written with a corresponding calling code; for calling codes 1 or 2, the estimated number of individuals was also recorded. Wherever possible, water temperature and pH were recorded on the survey form in addition to other ambient condition data (e.g., air temperature, wind, precipitation). Surveys occurred between a half-hour after sunset and midnight, and the survey time was recorded on the forms during each visit. Surveys were completed during appropriate weather and temperature conditions as outlined in the survey protocol (Bird Studies Canada 2009).

2.2 Hydrological, Hydrogeological and Water Quality Monitoring

2023 was the 10th year in which surface water level data was collected at two stations within Melancthon Pit #2 as part of the compliance monitoring program required as a condition of the pit Site Plan. This monitoring, previously completed by Whitewater Hydrogeology, was completed by Tatham Engineering in 2023. The water level monitoring points within Melancthon Pit #2 correspond to anuran survey stations ANR-001 (i.e., the “North Pond”) and ANR-005 (the “South Pond”) as shown on Map 2. The water level monitoring points within the Bonnefield property correspond to anuran survey station ANR-009 (i.e., the “Wetland” or “SW1”) and a small vernal pool located approximately 60m south of ANR-009 (i.e. the “Vernal Pool” or “SW2”), as shown on Map 2. Water level monitoring was completed during late-April to early December 2023 at the North Pond and South Pond, from late-May to mid-October 2023 at SW1, and from late-May to early December at SW2, using continuously recording dataloggers. See the *Strada Shelburne Annual Compliance Report 2023* (Tatham Engineering 2024) for further details about water level survey methodology.

Groundwater level monitoring was also completed by Tatham Engineering within Melancthon Pit #2 and the Bonnefield property in 2023, as reported in the *Strada Shelburne Annual Compliance Report 2023*. Within Melancthon Pit #2, groundwater level data was collected at two stations that corresponded to areas at or near amphibian monitoring stations. Specifically, these monitoring wells were placed adjacent to the North Pond (ANR-001) and between anuran stations ANR-006 and 007a (see Tatham Engineering 2024). Groundwater monitoring at ANR-001 consisted of a deep overburden (Tavistock Till) well (OW10B in Tatham Engineering 2024), while groundwater monitoring near stations ANR-006 and ANR-007a (OW6A) consisted of a

shallow (sand and gravel) groundwater well. OW6A was also previously adjacent to the wash pond that was put into use beginning in 2017; however, the wash pond was removed from this location and reconstruction was on-going in 2023.

For the purposes of this report, results from OW6A are presented. The shallow groundwater well at ANR-001 that was monitored in previous years was not monitored in 2018-2023. This shallow groundwater well was dry the majority of the year and the true overburden water table is therefore monitored by the deep overburden well (T. White, Whitewater Hydrogeology, pers. comm., January 2020).

Within the Bonnefield property, groundwater level data was collected at one location in 2023: wells OW18A/OW18C in the northeastern portion of the property. As described by Tatham Engineering (2024), monitors 'A' are screened at the base of the sand and gravel unit (water table aquifer) and monitors 'C' are constructed within the bedrock aquifer.

Surface water quality was measured for the North and South Ponds, as reported by Tatham Engineering (2024). Measured parameters included sulphate, nitrates/nitrites, Ontario Drinking Water Standards metals, chloride, alkalinity, bicarbonate, pH, conductivity, phosphorus and hardness. Samples for surface water quality analysis were collected during the spring and fall, following the standard semi-annual sampling timeline.

3.0 Anuran Survey Results

3.1 Melancthon Pit #2

A total of 3 anuran species were recorded within Melancthon Pit #2 across all 2023 site visits:

- Wood Frog (*Lithobates sylvatica*),
- Spring Peeper (*Pseudacris crucifer crucifer*), and
- Green Frog (*Rana clamitans melanota*).

Table 1 below presents a summary of all species occurrences at Melancthon Pit #2 from pre-extraction and 2014-2023 operational-phase monitoring.

Spring Peeper has been recorded at Melancthon Pit #2 every year since 2013, while Wood Frog has been recorded every year since 2013, with the exception of 2018. Green Frog has been recorded every year since 2013, with the exception of two years, 2016 and 2018. Gray Treefrog was not recorded in 2023, after having been recorded every year since 2013 with the exception of 2021. American Toad and Northern Leopard Frog were not recorded in 2023, after having been recorded in 8 years and 5 years since 2013, respectively. Western Chorus Frog (*Pseudacris triseriata*) (Great Lakes-St. Lawrence/Canadian Shield population), is designated as Threatened under the federal *Species at Risk Act* and is considered a Species of Conservation Concern (SCC) in Ontario. This species was recorded by NRSI biologists within the subject property during 2009 surveys, but has not been recorded during annual amphibian call surveys completed since 2013.

Table 2 below presents a summary of anuran survey results across all 2023 site visits. See Appendix II for detailed survey results by site visit. Appendix III presents the results of weather and temperature conditions recorded during each survey.

Among species, Spring Peeper was observed to be most abundant across monitoring stations during the 2023 survey period. Spring Peeper was recorded at full chorus at 2 stations across all visits (ANR-004 and 005), and was also recorded at stations ANR-001, 002, and ANR-008a, with a maximum of 5, 2, and 5 individuals, respectively. These results for Spring Peeper are generally consistent with previous monitoring years.

During the 2023 survey period, Wood Frog and Green Frog were observed to occur in low abundances on the subject property, with each species detected at 3 and 2 stations, respectively, ranging from 2 to 7 individuals heard at each station (Table 2). For Wood Frog, these results are similar to 2019, 2020, and 2022 results, but represent a decrease from 2021 results. For Green Frog, these results are among the highest abundances of this species across all years, and are similar to results from 2014, 2017 and 2022.

The stations with the highest species richness in 2023 were ANR-001 and 005, which each had 3 anuran species heard across visits. These results are consistent with 2022 for ANR-005, and represent an increase from 2 species recorded at station ANR-001 in 2022. These stations were followed by station ANR-008a which had 2 anuran species across visits, and 2 stations (ANR-002 and 004) which each had 1 anuran species across visits. These results represent a decrease for stations ANR-008a, 002 and 004, which had 3 species, 3 species and 2 species, respectively, in 2022. Stations ANR-003, 006, 007a and 007b had the lowest species richness with no species heard across visits. These results represent a decrease for stations ANR-003, 007a, and 007b (1 species, 2 species and 1 species, respectively in 2022) and no change for ANR-006.

Table 1: Summary of anuran species detected at Melancthon Pit #2 by monitoring year.

Species		Monitoring Year										
Scientific Name	Common Name	Pre-ext.	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<i>Anaxyrus americanus</i>	American Toad	X	X	X	X	X	X		X	X		
<i>Hyla versicolor</i>	Gray Treefrog	X	X	X	X	X	X	X	X		X	
<i>Lithobates pipiens</i>	Northern Leopard Frog	X			X	X	X		X	X		
<i>Lithobates sylvatica</i>	Wood Frog	X	X	X	X	X		X	X	X	X	X
<i>Pseudacris crucifer crucifer</i>	Spring Peeper	X	X	X	X	X	X	X	X	X	X	X
<i>Pseudacris triseriata</i>	Western Chorus Frog	X										
<i>Rana clamitans melanota</i>	Green Frog	X	X	X		X		X	X	X	X	X

Table 2: Summary of maximum calling codes and maximum abundance estimates by species during 2023 site visits for Melancthon Pit #2 and the Bonfield property wetland (ANR-009).

SCIENTIFIC NAME	COMMON NAME	Species Detected by Monitoring Station																			
		ANR-001		ANR-002		ANR-003		ANR-004		ANR-005		ANR-006		ANR-007a		ANR-007b		ANR-008a		ANR-009	
		Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.	Code	Abun.
<i>Lithobates sylvatica</i>	Wood Frog	2	3							2	2							2	3		
<i>Pseudacris crucifer crucifer</i>	Spring Peeper	2	5	2	2			3		3								2	5	2	6
<i>Rana clamitans melanota</i>	Green Frog	2	7							1	4										

Anuran abundances were highest at stations ANR-004 and 005, which each had 1 species detected at calling code 3 (Spring Peeper). Station ANR-001 had 3 species detected at calling code 2, with 3 to 7 individuals of each species. Station ANR-008a had 2 species detected at calling code 2, with 3 to 5 individuals of each species. The lowest abundances occurred at station ANR-002, which had 2 individuals detected of 1 species, and ANR-003, 006, 007a and 007b, which had no individuals detected in 2023.

3.2 Bonnefield Property (ANR-009)

One anuran species, Spring Peeper, was recorded within the Bonnefield property across all 2023 site visits.

Spring Peeper has been detected in all 7 survey years since baseline monitoring began in 2016. The SCC Western Chorus Frog was not detected in 2023 after having been detected in 2018 (2 individuals at ANR-009), but not in 2019-2022.

No anuran calling activity was incidentally recorded in 2023 within a small vernal pool that is located approximately 60m south of ANR-009 within the Bonnefield property woodland. This vernal pool was surveyed for anuran calling activity as part of 2016 NEA field surveys. However, due to lack of anuran breeding evidence within this feature, it was recommended that surveys cease at this location unless anuran calling activity is incidentally recorded within this feature in the future. Multiple monitoring years have demonstrated that this feature does not function as anuran breeding habitat. As such, future reporting will not make further reference to this feature, unless anuran calling activity is incidentally detected during monitoring.

Field data collected in 2023 at the Bonnefield property represent the 2nd year of operational-phase monitoring. The single anuran species detected in 2023 represents a slight decrease from previous years of monitoring, with 2 to 5 species being detected in each previous year (2016 and 2019-2022). Spring Peeper, Wood Frog, and Gray Treefrog have been the most abundant species across all years, with Spring Peeper and Wood Frog being detected at full chorus in 5 of 7 years and 4 of 7 years, respectively, while Gray Treefrog was detected at full chorus in 2016. American Toad and Green Frog were each detected in small numbers in 1 year (2016) and 2 years (2016 and 2022), respectively. Western Chorus Frog individuals were detected during 2018 surveys; this species was not detected in 2016 or 2019-2023.

3.3 Melancthon Pit #2 – Trends in Anuran Species Occurrence, Richness and Abundance Across Monitoring Years

Field data collected during the 2009 and 2013 monitoring seasons at Melancthon Pit #2 were combined to represent baseline (pre-extraction) conditions against which to compare operational-phase anuran survey results (2014-2023 data). The data collected to date was used to provide an assessment of trends in species occurrence, richness and abundance at the station level across years.

3.3.1 Species Occurrence and Abundance

Figure 1 below presents a comparison of Spring Peeper occurrence across stations by year during the operational period, as compared to pre-extraction results. As shown, the number of

stations where Spring Peeper was detected showed an overall slight decreasing trend across years, ranging from 5 to 9 stations. The decrease in 2021 to 5 stations may have been a result of the unseasonably dry conditions that occurred in the spring of 2021, which resulted in several of the ponds being dry during the monitoring period. The number of stations at which Spring Peeper was detected at a calling code of 3 (full chorus) was relatively consistent across years, ranging from 3 to 5 stations, with the exception of 2018 and 2023 when a full chorus was detected at 7 and 2 stations, respectively.

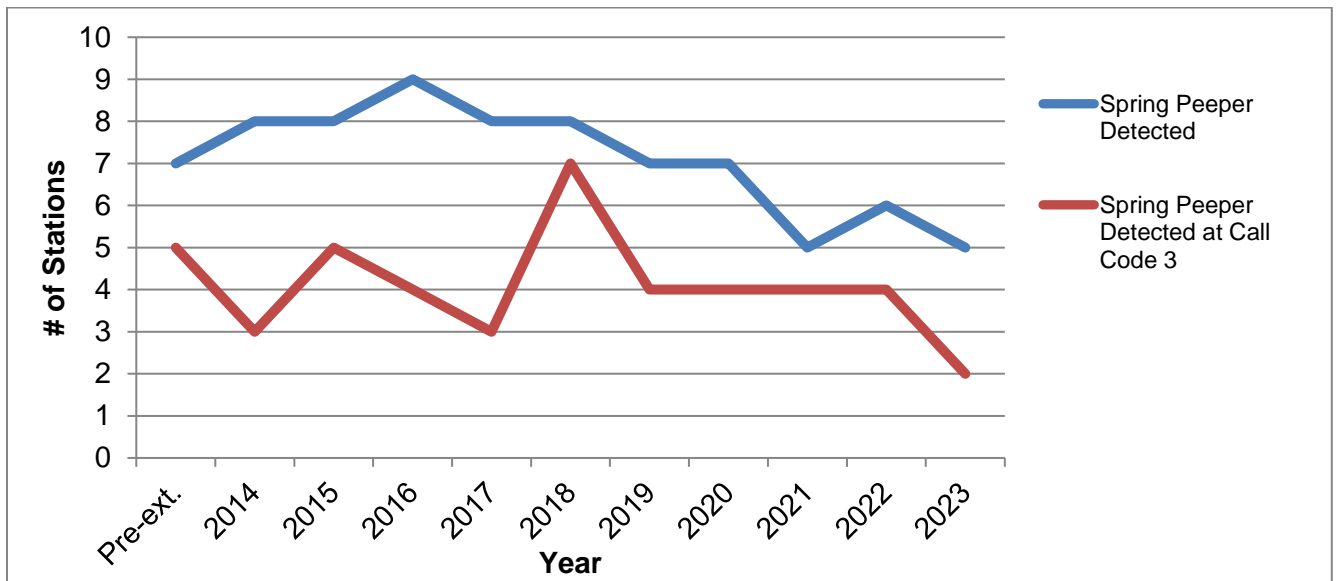


Figure 1: Spring Peeper Occurrence and Abundance Across Stations by Year

Figure 2 below presents a comparison of Gray Treefrog occurrence across stations by year during the operational period, as compared to pre-extraction results. As shown, the number of stations at which Gray Treefrog was detected showed an overall slight decreasing trend across years, ranging from 0 to 6 stations. In 2020, although calling individuals were only detected at 2 stations (ANR-007b and 008a), tadpoles of this species were also incidentally noted at a third station (ANR-003). The decrease to 0 stations in 2021 is likely a result of unseasonably dry conditions that occurred in the spring of 2021, which resulted in 7 of the 9 stations being dry by June (when Gray Treefrog is most likely to be detected). During the June site visits in 2020-2023, it was also noted that Gray Treefrog were detected calling from some of the temporary aggregate pit ponds on site that are located to the west of the monitoring stations (see Map 2). An overall slight decreasing trend in abundance can also be inferred across all years when looking at the number of stations at which a full chorus (call code 3) of Gray Treefrog was detected, as compared to pre-extraction results. However, the abundance of this species (i.e., the number of stations with a full chorus detected) has been relatively consistent during the operational period (2014-2023).

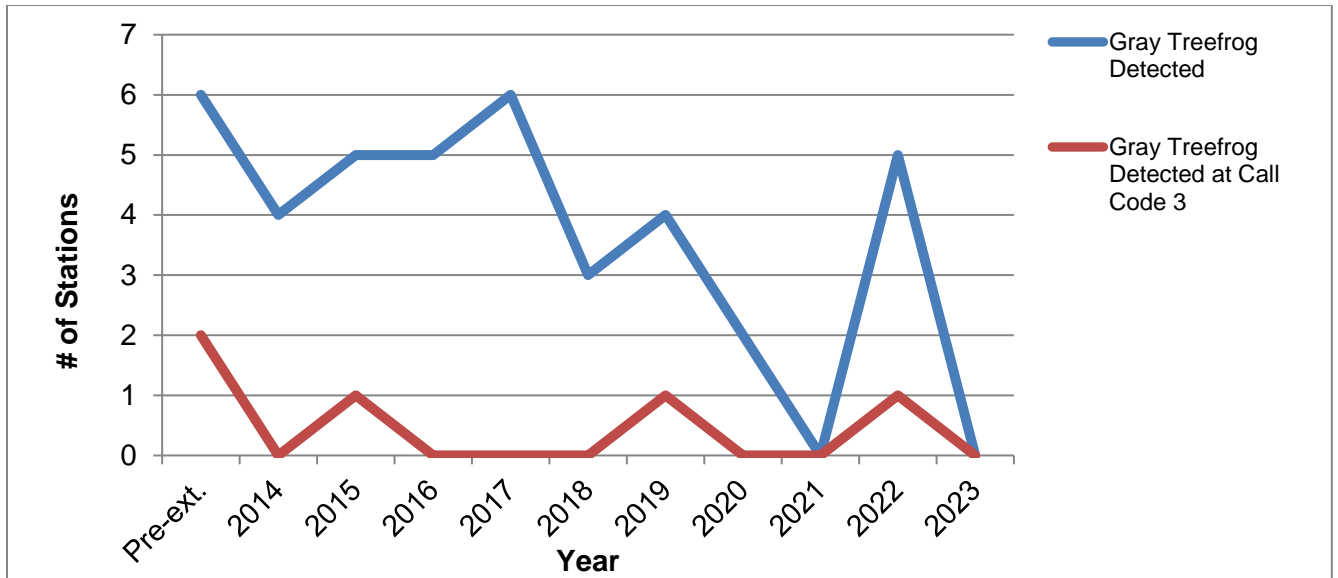


Figure 2: Gray Treefrog Occurrence and Abundance Across Stations by Year

Figure 3 below presents a comparison of Wood Frog occurrence across stations by year during the operational period, as compared to pre-extraction results. As shown, the number of stations at which Wood Frog was detected fluctuated from year to year (ranging from 0 to 8 stations), with an overall decreasing trend. The lack of Wood Frog observations in 2018 was likely a result of a late spring that delayed Wood Frog breeding (resulting in calls not being heard during the April survey when they are usually detected). In 2020, although calling individuals were only detected at 3 stations (ANR-001, 004, and 008a), tadpoles of this species were also incidentally noted at a fourth station (ANR-003). An overall decreasing trend in abundance can also be inferred across all years when looking at the number of stations at which a full chorus of Wood Frogs was detected.

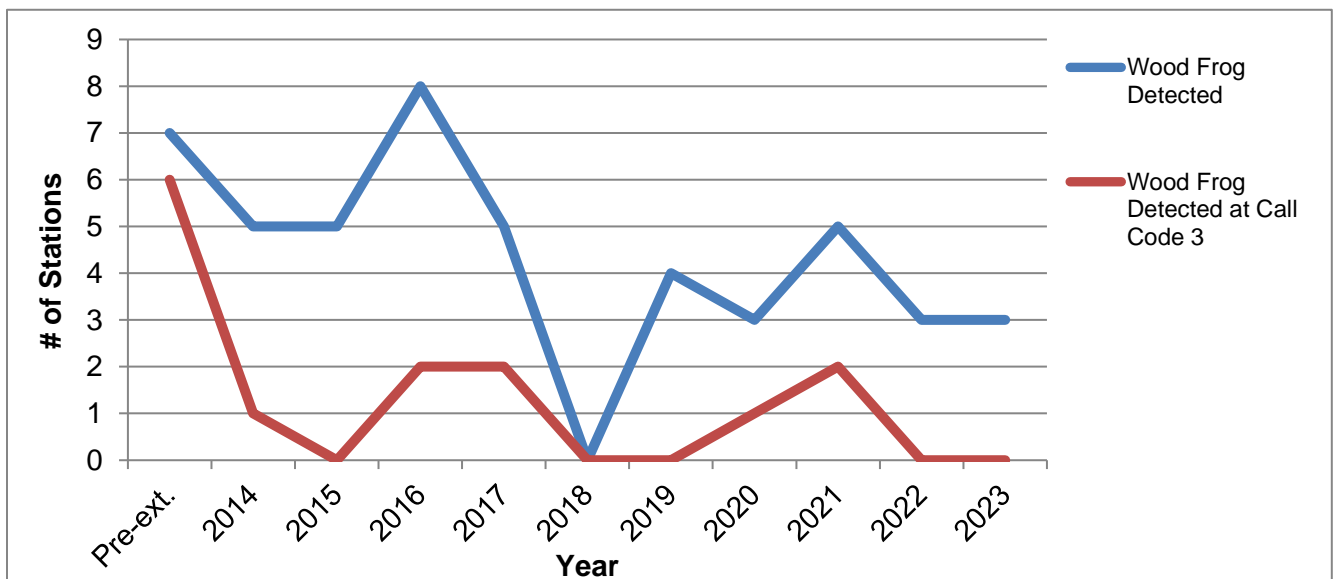


Figure 3: Wood Frog Occurrence and Abundance Across Stations by Year

Figure 4 below presents a comparison of American Toad occurrence by year during the operational period, as compared to pre-extraction results. As shown, the number of stations at which American Toad was detected decreased consistently across years, from 6 stations during pre-extraction surveys to 0 stations in 2019, 2022 and 2023, and 1 station in 2020 and 2021. An exception to this trend occurred in 2018, when individuals were detected at 4 stations. During both monitoring periods, most stations contained only 1 to 3 calling individuals.

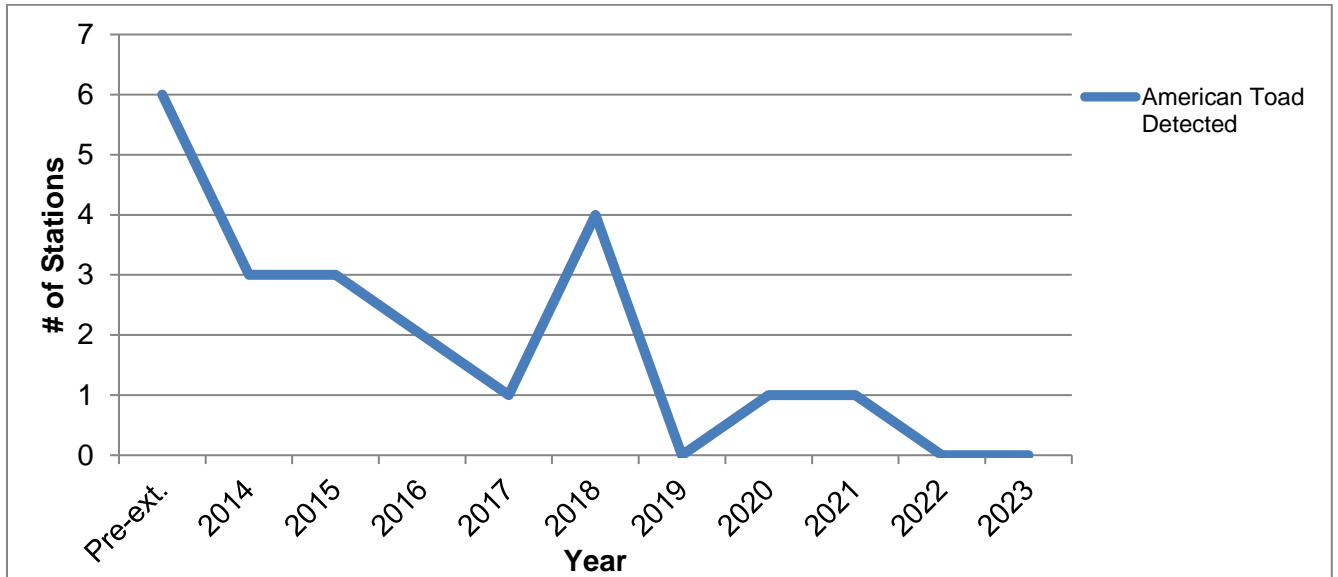


Figure 4: American Toad Occurrence Across Stations by Year

Figure 5 below presents a comparison of Green Frog occurrence by year during the operational period, as compared to pre-extraction results. As shown, the number of stations at which Green Frog was detected varied from year to year with no distinct trend, ranging from 0 to 3 stations. A maximum of 1 to 7 calling individuals was detected at these stations in a given year. The 2018 results may have been influenced by cooler-than-normal conditions during that period.

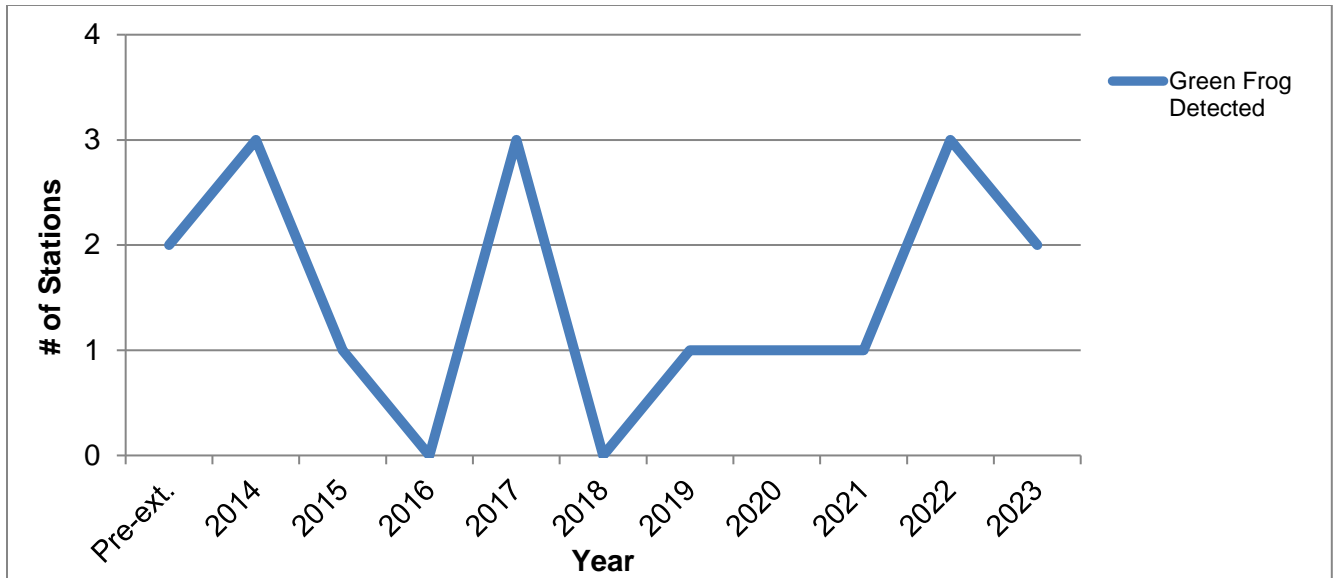


Figure 5: Green Frog Occurrence Across Stations by Year

Figure 6 below presents a comparison of Northern Leopard Frog occurrence by year during the operational period, as compared to pre-extraction results. As shown, the number of stations at which Northern Leopard Frog was detected varied from year to year with no distinct trend, ranging from 0 to 5 stations. A maximum of 1 to 2 calling individuals was detected at these stations in a given year.

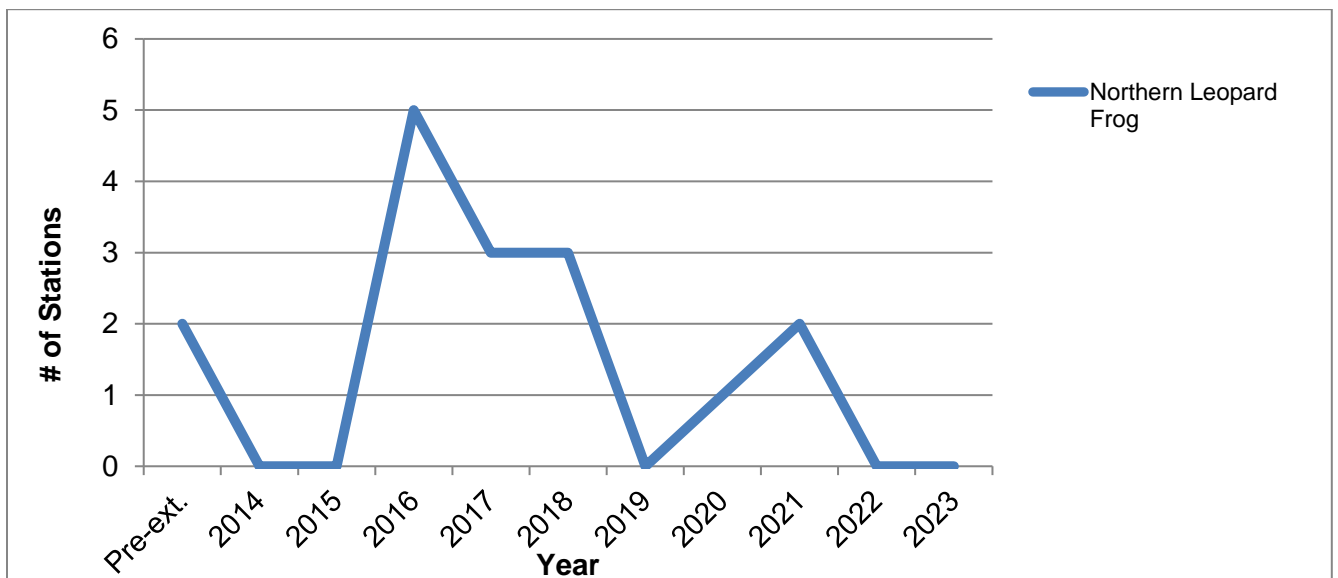


Figure 6: Northern Leopard Frog Occurrence Across Stations by Year

3.3.2 Species Richness by Station

A comparison of species richness by year during the operational period (compared to pre-extraction results) can be seen in Figure 7 below for each monitoring station. A decreasing overall trend in species richness can be seen for stations ANR-004 and 007b. The remaining 7 stations showed some variation in species richness from year to year, but with no apparent overall trend. Although station ANR-003 had only 1 species detected during call surveys in 2022 (Spring Peeper heard at full chorus), adults of 2 additional species, Wood Frog and Green Frog, were also observed in the pond during surveys.

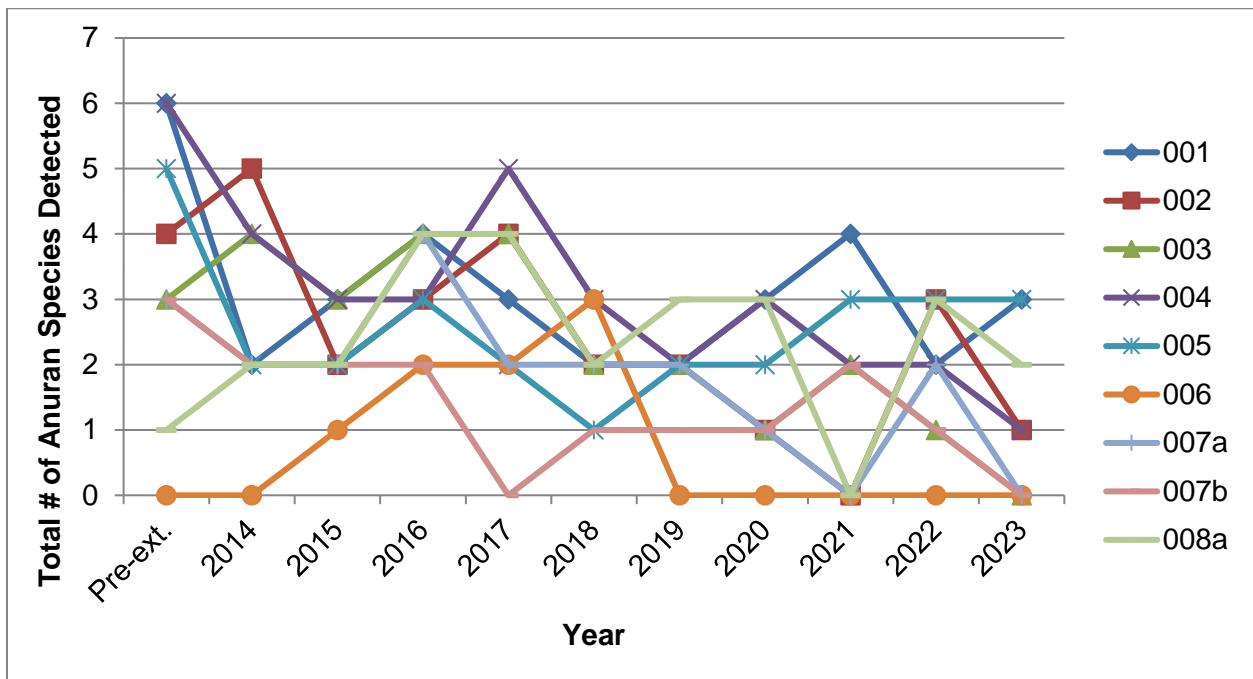


Figure 7: Species Richness by Year for Each Station

3.3.3 Species Abundance by Station

A comparison of species abundance by year during the operational period (compared to pre-extraction results) can be seen in Figure 8 below for each monitoring station. An overall decreasing trend in species abundance can be seen for stations ANR-001 and 007a, which is consistent with the overall decreasing trend in abundance for Wood Frog and Gray Treefrog (see Figures 2 and 3 above). Stations ANR-002, 003, 004, 005, 006, 007b and 008a showed some variation in species abundance from year to year, but with no apparent overall trend.

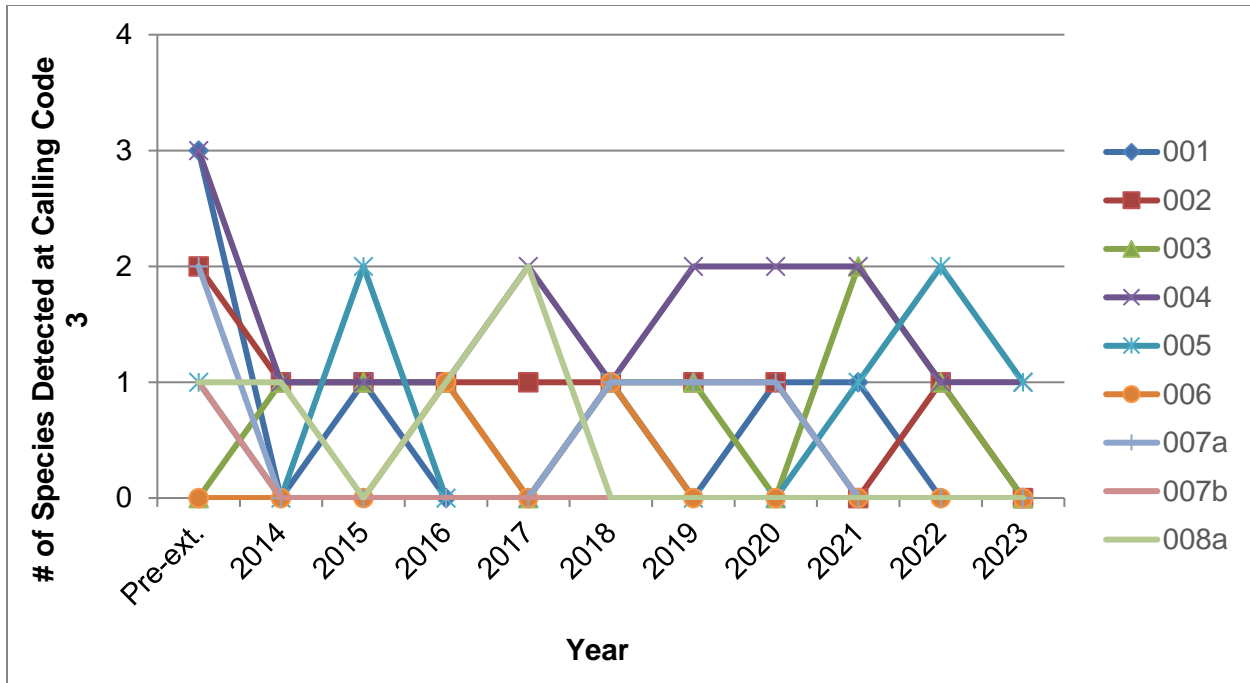


Figure 8: Species Abundance by Year for Each Station

3.3.4 Summary and Analysis of Possible Decreasing Species Trends Across Years

As described in sections 3.3.2 and 3.3.3 above, a decreasing overall trend in species richness can be seen for stations ANR-004 and 007b, and a decreasing overall trend in species abundance can be seen for stations ANR-001 and 007a. These decreasing trends are primarily a result of the decreasing trends in occurrence and/or abundance for Spring Peeper, Gray Treefrog, Wood Frog and/or American Toad, as described in section 3.3.1.

These decreasing trends may be the result of various factors, some of which are unrelated to pit operation activities, such as increased habitat availability on site, natural population-level fluctuations, and/or changes in wetland surface water levels due to weather and precipitation fluctuations. However, certain effects could potentially be due to pit operational activities; these would most likely be due to alterations to adjacent lands that could affect surface runoff to wetlands, degradation of wetland water quality (e.g., due to releases of sediments or deleterious substances), or changes to shallow groundwater levels as a result of pit operations.

No alterations to the lands adjacent to the monitoring stations at Melancthon Pit #2, that could impact surface runoff to wetlands, are known to have occurred in recent years. Water quality monitoring completed by Whitewater Hydrogeology and Tatham Engineering during all monitoring years has shown that the operation of the pit is not having any measurable impacts on water quality within the wetland features. There may, however, be some potential for sedimentation effects due to the degradation of the sediment and erosion control fencing on site. Although no specific observations of sedimentation have been noted, this potential effect, if occurring, is likely limited to the three northernmost wetlands that are surrounded by active pit area (Map 1). Of the four stations showing decreasing trends in species richness and/or abundance, ANR-001 is assumed to be perched above the overburden aquifer based on historical groundwater level monitoring (Tatham Engineering 2024), while the groundwater

connectivity of the other three ponds is unknown at this time. It has been concluded in all years of monitoring that shallow groundwater levels at well OW6a (which is in close proximity to stations ANR-007a/ANR-007b), as well as at other monitored wells, have been consistent with groundwater level and trends historically observed on site. As such, if stations ANR-004, 007a, 007b are connected to shallow groundwater, it is unlikely that changes to species richness and/or abundance at these stations is a result of shallow groundwater changes due to pit operations.

As described in section 3.3.1, it was noted during June site visits in 2020-2023 that Gray Treefrog individuals were detected calling from some of the temporary aggregate pit ponds on site that are located to the west of the monitoring stations (see Map 2). This observation suggests that the conditions of the pit ponds may be providing better habitat conditions for this species than the natural wetlands at the monitoring stations. One possibility is that the pit ponds may have retained appropriate surface water levels in June when several of the wetlands at the monitoring stations were dry by June (when Gray Treefrog is most likely to be detected) in recent years (section 4.1). As described in section 4.1 below, there appears to be a slight overall increasing trend in the number of wetland habitats drying out by June in recent years. Based on the analysis of surface runoff and shallow groundwater above, it is likely that this increase is a result of weather and precipitation fluctuations.

Based on the above analysis, it is expected that the decreasing trends in species richness and/or abundance are a result of natural population-level fluctuations, weather and precipitation-based effects, and/or availability of better habitat conditions at the pit ponds on site; however, impacts from pit operations cannot be ruled out entirely as a contributing factor. These trends will continue to be monitored during subsequent survey years, which may provide additional information on whether any continued negative trends may be the result of pit operations.

4.0 Hydrological, Hydrogeological and Water Quality Data

4.1 Surface Water Levels

The results of the 2023 surface water monitoring program, as collected by Tatham Engineering, are illustrated in Appendix D of the *Strada Shelburne Annual Compliance Report 2023* (Tatham Engineering 2024). Surface water levels were consistently higher in the North Pond than the South Pond throughout most of the late-April to early-December 2023 hydrological monitoring period. This contrasts with water level observations in 2015-2022, when surface water levels were either higher in the South Pond or similar in both ponds for the majority of the monitoring period. The surface water level decreased gradually but somewhat inconsistently in the North Pond in 2023, which is similar to observations collected in 2020 and 2022, but differs from 2017 to 2019 and 2021 observations when reductions in surface water levels were gradual and generally consistent during the monitoring period. Surface water in the South Pond increased from late-April to mid-May, followed by a decrease from mid-May to late-May, at which point the pond dried out until mid-October. This contrasts with previous monitoring years when water levels generally decreased gradually throughout the monitoring period. The North Pond dried out in late fall and the South Pond dried out in late-May to mid-October in 2023. This is a change from 2015-2021 observations, when both ponds remained wet throughout the monitoring period, and is somewhat similar to 2022 observations, when both ponds dried out in late fall.

Surface water level data was collected for the majority of the April-June amphibian monitoring period for both ponds. Water levels in the North Pond declined gradually but somewhat inconsistently during the mid-April to June period, with a high of approximately 494.02masl in late April to a low of approximately 492.50masl in mid-June. This decline was part of the larger gradual but inconsistent decline seen in this pond throughout most of the monitoring period. Surface water levels in the North Pond were similar to 2015-2021 levels, and slightly higher than 2022 levels. Surface water in the South Pond increased from late-April to mid-May, followed by a decrease from mid-May to late-May, at which point the pond dried out until mid-October. A high water level of approximately 491.46masl was recorded in mid-May. Surface water levels in the South Pond differed from previous years, when the pond remained wet throughout the amphibian monitoring period. See the *Strada Shelburne Annual Compliance Report* (Tatham Engineering 2024) for further details of water level results.

The monitoring devices were installed again at ponds SW1 and SW2 at the Bonnefield property in 2023 after not being installed in 2022 due to ongoing vandalism. Within the 2023 hydrological monitoring period at the Bonnefield property, the surface water level at SW1 decreased slowly but somewhat inconsistently before drying out in the fall. The surface water level at SW2 fluctuated throughout the monitoring period, with an overall decreasing trend, before also drying out in the fall.

Surface water level data at SW1 and SW2 were collected for the later portion of the April-June amphibian monitoring period, from late-May to late-June. Water levels in SW1 declined gradually and fairly consistently during the late-May to late-June period, with a high of 100.31masl in late May to a low of approximately 100.07masl in late-June. This decline was part of the larger gradual but inconsistent decline seen in this pond throughout most of the monitoring period. Water levels in SW2 fluctuated during the late-May to late-June period, with a high of approximately 100.20masl in late May to a low of approximately 99.92masl in late-June. A relative elevation of 100masl was assumed at these ponds to assess seasonal changes in the surface water levels (Tatham Engineering 2024). In general, the surface water

levels observed in 2023 at Melancthon Pit #2 and the Bonnefield Property were consistent with previous years (Tatham Engineering 2024).

Standing water was present at the majority of anuran monitoring stations during the early portion of the 2023 amphibian monitoring period, with only 1 of 9 stations (ANR-006) having no standing water during each of April and May. By June, however, 5 of the 9 monitoring stations were completely dry. This is similar to the 2015, 2021 and 2022 monitoring seasons when 4 to 7 of 9 stations were dry by June, and contrasts with observations in 2016-2020, when only 1 to 3 stations were observed to contain no water in each year. These observations show a slight overall increasing trend in the number of ponds drying out by June in recent years.

4.2 Groundwater Levels

The shallow groundwater level near ANR-006/ANR-007a (well OW6A) showed a more pronounced increase during the 2023 spring period (roughly March to June) as compared to the 2022 spring monitoring period, and was similar to spring increases in 2015-2021. In 2023, the shallow groundwater level at this well peaked at approximately 493.30masl in late April, similar to peak levels ranging from 492.31masl to 493.58masl during 2015 to 2021 spring monitoring (Whitewater Hydrogeology 2016, 2017, 2018, 2019, 2020, 2021, 2022a, 2022b). The timing of the 2023 spring-based groundwater elevation fluctuation at OW6A was similar to that at other monitored wells. During the 2023 amphibian monitoring period, overburden groundwater elevation was approximately 492.00masl on April 11, but increased gradually to approximately 493.30masl in late April before declining again to approximately 491.60masl in late June (Tatham Engineering 2024).

Shallow groundwater levels on the Bonnefield property, monitored at well OW18A, showed a more pronounced increase during the 2023 spring period as compared to the previous spring monitoring periods in 2017-2022. In 2023, the shallow groundwater level at this well peaked at approximately 488.50masl in early May, as compared to peak levels ranging from 486.30masl to 497.30masl during 2017 to 2022 spring monitoring (Whitewater Hydrogeology 2021, 2022a, 2022b). The timing of the 2023 spring-based groundwater elevation fluctuations at this well was similar to that at other monitored wells.

4.3 Pond Surface Water Quality

As reported in the *Strada Shelburne Annual Compliance Report 2023* (Tatham Engineering 2024), measured water quality parameters within the North and South Ponds generally met the applicable Provincial Water Quality Objectives (PWQO) with the exception of iron during the fall sampling period at the North Pond, and elevated concentrations of phosphorus noted during fall sampling when compared to interim PWQO. These water quality results are similar to results from previous years (Tatham Engineering 2024).

4.4 Hydrological/Hydrogeological and Water Quality Summary

Based on these analyses, operation of the pit is not having any measurable impacts on surface or groundwater levels, or water quality within the pond features.

5.0 Additional Recommendations

In 2023, the sediment and erosion control fencing on site, as shown on the original Operational Plan prepared by MHBC (2010), was noted to be in disrepair. As communicated to Strada Aggregates, it is recommended that any areas of degraded/damaged fencing be repaired to allow for proper functioning.

6.0 Summary and Conclusions

In 2023, NRSI biologists completed the 11th year of an annual program to monitor the ecological condition of subject property wetlands as a means of identifying any potential impacts caused by aggregate extraction activities at Melancthon Pit #2. As recommended in the Level 2 NEA report for the subject property (NRSI 2010), studies were initiated to track long-term wetland characteristics based on annual anuran breeding activity in conjunction with associated surface water and groundwater measurements within the subject property collected by Whitewater Hydrogeology Ltd. (2014-2022) and Tatham Engineering (2023). Regular surface water monitoring was initiated in 2014. The biological and hydrological/hydrogeological monitoring plan for Melancthon Pit #2 was incorporated into an Integrated Monitoring Plan (Appendix I) for Melancthon Pits #1, #2, and the Bonfield property pit expansion beginning with 2018 field survey activities.

Data collected in 2013 at Melancthon Pit #2 was compiled with NRSI data collected in 2009 to represent baseline (pre-extraction) conditions. Data collected from 2014 to 2023 represent the operational-phase monitoring period on the property, including facility construction and aggregate extraction.

The results of comparative analysis between and within pre-extraction and operational-phase monitoring periods at Melancthon Pit #2 should be interpreted with caution as natural population fluctuations, caused by potential confounding factors (e.g., precipitation levels and/or temperatures within a particular monitoring season), are to be expected in the monitoring results and can result in background “noise” in the data when looking at station-level and species-level data across years. Therefore, observed differences in species presence and relative abundance, within and among stations, from year to year, as compared to pre-extraction results, may not be directly caused by facility operational effects within the property. The data collected to date provide an assessment of current trends in species occurrence, richness and abundance; the power of the monitoring program will be to continue to identify the consistent trends across years and to clarify long-term trends as more years of data are collected and analyzed and to further assess any potential impacts caused by the facility operations.

In total, 7 anuran species were recorded within the Melancthon Pit wetlands across all years, including the provincial SCC Western Chorus Frog. To date, Western Chorus Frog was only observed in 2009, at 1 station, within the Melancthon Pit #2 site. Spring Peeper was recorded as the most abundant and widespread species across all years, and showed a relatively consistent trend in abundance when data was compared on a year-by-year basis (see Figure 1). Gray Treefrog was also recorded at relatively high abundances across monitoring periods, but showed a slight decreasing trend in full chorus detection when operational data was compared to baseline data on a year-by-year basis (see Figure 2). It was also noted in 2020-2023 that Gray Treefrog was detected calling (full chorus in 2020, 4 individuals in 2021, full chorus in 2022, 15 individuals in 2023) from some of the temporary aggregate pit ponds on site (west of the amphibian monitoring stations; see Map 2), which suggests that this species is still actively breeding in high numbers within the Melancthon Pit #2 site. A year-by-year comparison of operational data compared to pre-extraction data for Wood Frog showed an overall decline in occurrence and abundance for this species (see Figure 3).

American Toad, Green Frog and Northern Leopard Frog occurred in relatively low abundances during both monitoring periods. When comparing year-by-year operational data to pre-extraction data, American Toad showed an overall decline in occurrence (see Figure 4), while

Green Frog and Northern Leopard Frog did not show any discernable trend (see Figures 5 and 6, respectively).

A comparison of species richness for each station by year during the operational period (compared to pre-extraction results) (Figure 7) showed an overall decreasing trend in species richness for station ANR-004 and 007b. Stations ANR-001, 002, 003, 005, 006, 007a and 008a showed some variation in species richness from year to year, but with no apparent overall trend at any individual station. A comparison of species abundance for each station by year during the operational period (compared to pre-extraction results) (Figure 8) showed an overall decreasing trend in species abundance for stations ANR-001 and 007a, which is consistent with the overall decreasing trend in abundance for Wood Frog and Gray Treefrog (see Figures 2 and 3). Stations ANR-002, 003, 004, 005, 006, 007b and 008a showed some variation in species abundance from year to year, but with no apparent overall trend.

Overall, these results suggest that the small, isolated wetlands located in the north end of the Melancthon Pit including the Reed Canary Grass swale (as surveyed by stations ANR-001 to 005) provide good quality habitat for the majority of the species that breed within the subject property. Wet pockets within the meadow marsh associated with the western edge of the large swamp feature were observed to also provide suitable breeding habitat for amphibians at stations ANR-007a and 008a, particularly for Spring Peepers. The White Cedar-Hardwood Mineral Mixed Swamp, where it occurs on or adjacent to the subject property, supports a healthy population of Spring Peepers in some years but does not represent important breeding habitat for other anuran species.

Overall, breeding anuran abundance at the Melancthon Pit was observed to be relatively consistent between the pre-extraction and operational periods to date, particularly among the wetland features located immediately adjacent to the active aggregate extraction areas. Species occurrence and abundance have remained consistent across periods with the exception of Wood Frogs and Gray Treefrogs, which have appeared to decline slightly in occurrence and abundance since the pre-extraction period, and Spring Peeper and American Toad, which have appeared to decline slightly in occurrence since the pre-extraction period. At this time there is no evidence to indicate these changes in observed abundance and/or occurrence are not a natural fluctuation in the local population, or if not, whether they can be attributed to the on-site activities or are part of a broader species population trend. Additional years of operational-phase monitoring data will provide stronger evidence for whether on-site activities may be impacting anuran breeding activities and/or the health of wetland breeding habitats. However, based on surface water level and quality data, and groundwater level data collected by Tatham Engineering, operation of the pit is not observed to be causing any measurable impacts to the existing hydrological regime on the property. Additionally, no other visible signs of habitat disturbance or degradation caused by the aggregate pit activities were observed at these wetlands. The continued persistence of a healthy population of breeding anurans, relative to observed pre-extraction conditions, further suggests that the anuran habitat functions of the on-site wetlands are being maintained.

Annual monitoring at the Bonnefield Pit was recommended in NRSI's NEA report for the Prince and Bonnefield properties (NRSI 2017), which documented the presence of breeding amphibians within the Bonnefield property wetland during 2016 surveys. 2023 monitoring at the Bonnefield property documented the 2nd year of extraction operation-phase data on breeding amphibian species presence and relative abundance and was compared to pre-extraction data collected in 2016 and 2018-2021. A total of 6 anuran species were detected at the Bonnefield

Pit between 2016 and 2023, including the provincial SCC Western Chorus Frog. The presence of Western Chorus Frog within this wetland further reinforces the significance of this wetland as anuran breeding habitat, which was identified in the 2017 NEA report. Species occurrence and abundance at this wetland in 2023 showed a slight decrease compared to pre-extraction years and year 1 of operational-stage monitoring. Additional years of monitoring will help to identify the presence of any long-term trends in species occurrence and/or abundance at this wetland.

It is recommended that the amphibian monitoring program continue at both Melancthon Pit #2 and at the Bonnefield property wetland, concurrent with ongoing hydrological/hydrogeological monitoring, to further investigate trends in amphibian breeding diversity and abundance against these abiotic factors in accordance with the NEA studies recommendations. Natural population-level fluctuations are to be expected in the amphibian monitoring results, and additional years of monitoring will continue to refine the presence of any long-term trends and provide further inference as to whether any potential impacts are occurring due to pit operation. It is also recommended that the sediment and erosion control fencing on site be repaired to allow for proper functioning.

7.0 References

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Appendix I
Integrated Monitoring Plan

Strada Aggregates Melancthon Pits – Integrated Monitoring Plan

February 2018

Background

The Strada Melancthon Pits consist of:

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

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

Natural Environment

Amphibian Monitoring

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

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

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

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

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

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

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

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

Woodland Buffer

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

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

Hydrogeology

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

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

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

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

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

Table 1 – Proposed Groundwater Monitoring Network

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

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

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

Table 2 – Proposed Water Quality Parameters

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

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

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

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

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

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

Proposed Bonnefield Pit

Melancthon Pit #2

ANR-009

ANR-003

ANR-002

ANR-001

ANR-004

ANR-005






ANR-006

ANR-007a

ANR-007b

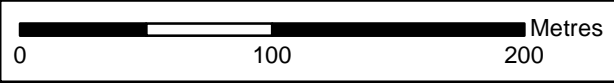
ANR-008a

Legend

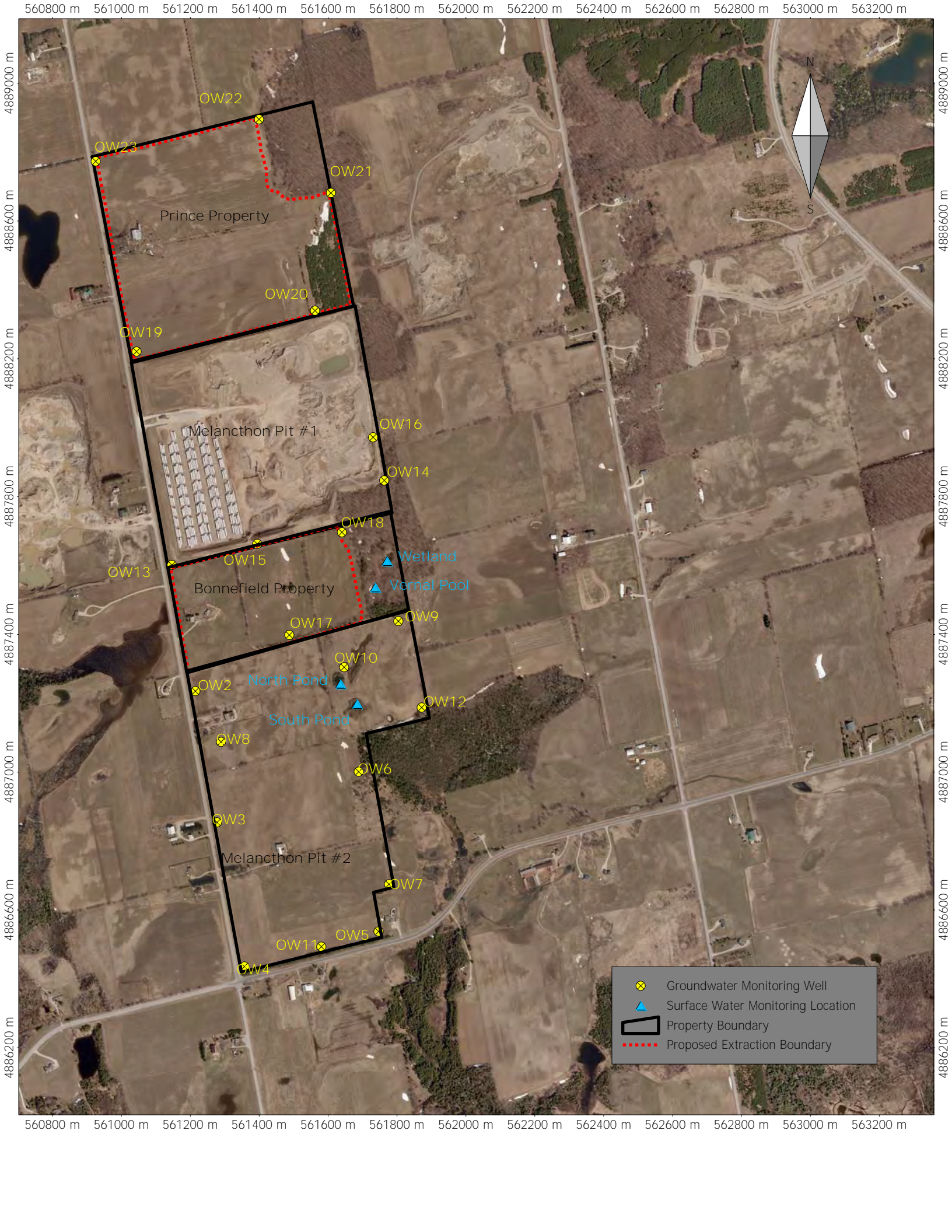
-  Subject Property
-  Anuran Monitoring Station (ANR)
-  Direction of Survey
-  Surveyed Wetland Boundary
-  Wetland (Boundaries Approximate)

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Appendix II
2023 Calling Amphibian Survey Results By Survey Visit

2023 Calling Amphibian Survey Results

Visit 1

12-Apr-23

SCIENTIFIC NAME	COMMON NAME	NRSI Species Detected by Monitoring Station (Maximum Calling Code, Total Number of Individuals)									
		ANR-001	ANR-002	ANR-003	ANR-004	ANR-005	ANR-006	ANR-007a	ANR-007b	ANR-008a	ANR-009
<i>Bufo americanus</i>	American Toad										
<i>Hyla versicolor</i>	Gray Treefrog										
<i>Lithobates pipiens</i>	Northern Leopard Frog										
<i>Lithobates sylvatica</i>	Wood Frog	2,3				2,2				2,3	
<i>Pseudacris crucifer crucifer</i>	Spring Peeper	1,2			1,1	3				2,5	2,6
<i>Pseudacris triseriata</i>	Western Chorus Frog										
<i>Rana clamitans melanota</i>	Green Frog										

Visit 2

15-May-23

SCIENTIFIC NAME	COMMON NAME	NRSI Species Detected by Monitoring Station (Maximum Calling Code, Total Number of Individuals)									
		ANR-001	ANR-002	ANR-003	ANR-004	ANR-005	ANR-006	ANR-007a	ANR-007b	ANR-008a	ANR-009
<i>Bufo americanus</i>	American Toad										
<i>Hyla versicolor</i>	Gray Treefrog										
<i>Lithobates pipiens</i>	Northern Leopard Frog										
<i>Lithobates sylvatica</i>	Wood Frog										
<i>Pseudacris crucifer crucifer</i>	Spring Peeper	2,5	2,2		3	3				2,3	2,4
<i>Pseudacris triseriata</i>	Western Chorus Frog										
<i>Rana clamitans melanota</i>	Green Frog	1,1									

Visit 3

22-Jun-23

SCIENTIFIC NAME	COMMON NAME	NRSI Species Detected by Monitoring Station (Maximum Calling Code, Total Number of Individuals)									
		ANR-001	ANR-002	ANR-003	ANR-004	ANR-005	ANR-006	ANR-007a	ANR-007b	ANR-008a	ANR-009
<i>Bufo americanus</i>	American Toad										
<i>Hyla versicolor</i>	Gray Treefrog										
<i>Lithobates pipiens</i>	Northern Leopard Frog										
<i>Lithobates sylvatica</i>	Wood Frog										
<i>Pseudacris crucifer crucifer</i>	Spring Peeper										
<i>Pseudacris triseriata</i>	Western Chorus Frog										
<i>Rana clamitans melanota</i>	Green Frog	2,7				1,4					

Appendix III
Supplementary Data Collected During 2023 Survey Visits

2023 Calling Amphibian Weather Results

Visit 1 12-Apr-23

Station Name	Start time	Wind speed	% Cloud Cover	Air temp. (°C)	Water temp. (°C)	Water pH	Precipitation	Remarks
ANR-001	19:59	3	0	20.0	8.0	-	None	
ANR-002	21:25	3	0	19.0	9.0	-	None	
ANR-003	21:34	3	0	19.0	11.0	-	None	
ANR-004	21:11	3	0	20.0	9.0	-	None	
ANR-005	21:03	3	0	20.0	10.0	-	None	One adult Wood Frog near pond
ANR-006	20:52	3	0	20.0	-	-	None	No standing water
ANR-007a	20:37	3	0	20.0	13.0	-	None	
ANR-007b	20:37	3	0	20.0	11.0	-	None	
ANR-008a	20:29	3	0	20.0	-	-	None	
ANR-009	21:40	3	0	19.0	9.0	-	None	

Visit 2 15-May-23

Station Name	Start time	Wind speed	% Cloud Cover	Air temp. (°C)	Water temp. (°C)	Water pH	Precipitation	Remarks
ANR-001	21:50	3	40	14.0	12.5	-	None	
ANR-002	21:53	3	40	13.0	13.0	-	None	
ANR-003	22:10	3	40	13.0	12.1	-	None	
ANR-004	21:42	3	40	14.0	12.4	-	None	
ANR-005	21:37	3	40	14.0	14.9	-	None	
ANR-006	21:20	3	40	15.0	-	-	None	No standing water
ANR-007a	21:23	3	40	15.0	14.1	-	None	
ANR-007b	21:20	3	40	15.0	12.7	-	None	
ANR-008a	21:09	3	40	15.0	-	-	None	
ANR-009	22:10	3	40	13.0	11.4	-	None	

Visit 3 22-Jun-23

Station Name	Start time	Wind speed	% Cloud Cover	Air temp. (°C)	Water temp. (°C)	Water pH	Precipitation	Remarks
ANR-001	22:30	0	30	18.0	-	-	None	
ANR-002	22:36	0	30	18.0	-	-	None	No standing water
ANR-003	22:42	0	50	18.0	-	-	None	
ANR-004	22:15	0	30	18.0	-	-	None	No standing water
ANR-005	22:21	0	30	18.0	-	-	None	
ANR-006	22:08	0	30	19.0	-	-	None	No standing water
ANR-007a	21:54	0	30	19.0	-	-	None	No standing water
ANR-007b	21:59	0	30	19.0	-	-	None	No standing water
ANR-008a	21:39	0	30	19.0	-	-	None	
ANR-009	22:54	0	50	18.0	-	-	None	

Maps

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4887400
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Map 1
**Melancthon Pit #2 and
Bonnefield Property
Study Area**
NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists
March 4, 2021
Project: NRSI-0764K
Scale: 1:5,000
NAD83 - UTM Zone 17

Bonnefield
Property

North
Pond

South
Pond

Melancthon Pit #2

4TH LINE

COUNTY ROAD 17

Legend
Subject Property



0 200 400 Metres

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Map 2
**Melancthon Pit #2 and
 Bonnefield Property
 Amphibian Monitoring Stations**

NATURAL RESOURCE SOLUTIONS INC.
 Aquatic, Terrestrial and Wetland Biologists

April 18, 2019
 Project: NRSI-07641
 Scale: 1:5,000
 NAD83 - UTM Zone 17

Bonnefield Property

Melancthon Pit #2

ANR-009

ANR-003

ANR-002

ANR-001

ANR-004

ANR-005





ANR-006

ANR-007a

ANR-007b

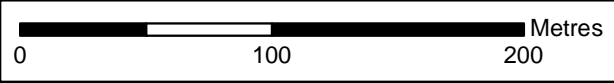
ANR-008a

Legend

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

Map Produced by Natural Resource Solutions Inc.
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561400 561500 561600 561700 561800 561900 562000

July 10, 2024

Subject: *Proposal Regarding Developing a commercial-scale framework for geologic carbon storage*

Hello,

The Ministry of Natural Resources is seeking feedback on the development of a legislative and regulatory framework for commercial-scale geologic carbon storage. The current posting is available at <https://ero.ontario.ca/notice/019-8767>. It provides an overview of how various components of the framework could function and has a series of questions at the end seeking feedback on how Ontario could regulate the activity.

This proposal follows four previous engagement opportunities related to the framework development in January 2022, November 2022, April 2023 and September 2023. A roadmap towards regulating geologic carbon storage was released in November 2022 and can be found at <https://www.ontario.ca/page/geologic-carbon-storage>.

Although Ontario's framework would apply provincially, to help provide for the responsible development of commercial-scale projects, the framework could initially focus on enabling commercial-scale projects within saline aquifers and depleted oil and gas reservoirs in southwestern Ontario at depths of 800 metres or more. These are expected to be the most viable opportunities for geologic carbon storage in Ontario given the current state of carbon storage technologies. To continue to advance the development of new technologies, projects that do not meet the above criteria could be permitted under a testing and demonstration permit.

For more information on what geologic carbon storage is, and where it could occur, Ontario has included a background information document at the end of this letter.

If you would like more information or have any questions, please contact Andrew Ogilvie, Manager of Resources Development Section, through email: Resources.Development@ontario.ca.

Sincerely,

Jennifer Keyes
Director, Development and Hazard Policy Branch

Attachment: Geologic Carbon Storage background document

Introduction

Large quantities of carbon dioxide (CO₂) are generated through industrial processes such as the production of cement, steel and fertiliser, from power generation, during oil and gas refining, and as a by-product of creating hydrogen from methane.

One way of reducing the impact of CO₂ emissions from these large emission sources is to take captured CO₂ that would have otherwise been emitted into the atmosphere and to permanently store (sequester) it in deep underground rock formations (storage formations). This process is termed ‘geologic carbon storage,’ and is one tool being considered to manage Ontario’s emissions.

Geologic carbon storage is necessary for economically achieving emissions targets and net-zero emissions, especially for carbon-intensive industries.

According to the Global CCS Institute, “the injection and storage of CO₂ is the final stage in the carbon capture and storage process and has been working safely and effectively for over 50 years” and “close to 300 million tonnes of CO₂ has been injected into storage formations underground.”¹

How is CO₂ stored?

Captured carbon dioxide emissions from industrial processes are transported and

injected into a storage well that injects the CO₂ into deep geologic formations.

Depth is an important factor in geologic carbon storage. As depth increases below the surface, temperature and pressure increase. At depths greater than 800 metres (about 1.5 times the height of the CN Tower) temperature and pressure are high enough that CO₂ reaches a ‘supercritical’ state – it has the density of a liquid but flows like a gas – which allows the CO₂ to be stored efficiently.²

Underground storage formation characteristics are also important. The following technical requirements are considered when determining if a formation is a good fit for geologic carbon storage:²

- **Porosity:** the pore space in which the CO₂ can be stored.
- **Permeability:** the interconnectedness of the pore spaces that enables the injected CO₂ to flow throughout the formation.
- **Cap rock:** the presence of an impermeable barrier to flow around the formation to contain the CO₂ permanently.

Detailed, site specific studies need to be conducted to prove site suitability for geologic carbon storage.

After injection activities end, wells are plugged, and the site is decommissioned and monitored to mitigate any potential safety risks to the public or the environment.

¹ Global Carbon Capture and Storage Institute Ltd. <https://www.globalccsinstitute.com/ccs-101-storage/>. Used under Creative Commons Attribution-Noncommercial-NoDerivatives 4.0 International Licence. © 2024 Global Carbon Capture and Storage Institute Ltd.

² Carter, T., Gunter, W., Lazorek, M., Craig, R. (2007). *Geological Sequestration of Carbon Dioxide: A Technology Review and Analysis of Opportunities in Ontario*. Climate Change Research Report CCRR-07. Ontario Ministry of Natural Resources. ISBN 978-1-4249-4557-3

What happens to the CO₂ after it is injected?

Carbon dioxide can be trapped in several ways:

- **Structural trapping** occurs when the rock layers above the storage formation form a cap or seal that prevents the upward movement of CO₂.
- **Solution trapping** occurs when the injected CO₂ dissolves into saline water that is present in the storage formation.
- **Residual trapping** occurs when CO₂ is trapped in pores within the storage formation.
- **Mineral trapping** occurs when the CO₂ reacts with the reservoir rocks and fluids to form solid carbonate minerals that permanently trap the CO₂.

Where could CO₂ be stored in Ontario?

Currently, there are no geologic carbon storage projects in Ontario. Most projects in other jurisdictions have occurred in deep sedimentary rock formations including:

- saline aquifers
- depleted oil and gas reservoirs

Previous desktop research has suggested the most suitable storage formations in Ontario may be found beneath the beds of Lake Huron and Lake Erie and surrounding onshore areas, which also coincide with many of the province's largest point source emitters of CO₂.

Ontario is taking a phased approach to create a regulatory framework for geologic carbon storage which will play an important role in supporting industry, encouraging sector innovation, and helping industry manage emissions and meet emissions targets. Our roadmap to regulating geologic carbon storage can be found online at [Roadmap towards regulating geologic carbon storage](https://www.ontario.ca/page/geologic-carbon-storage).³

³ <https://www.ontario.ca/page/geologic-carbon-storage>

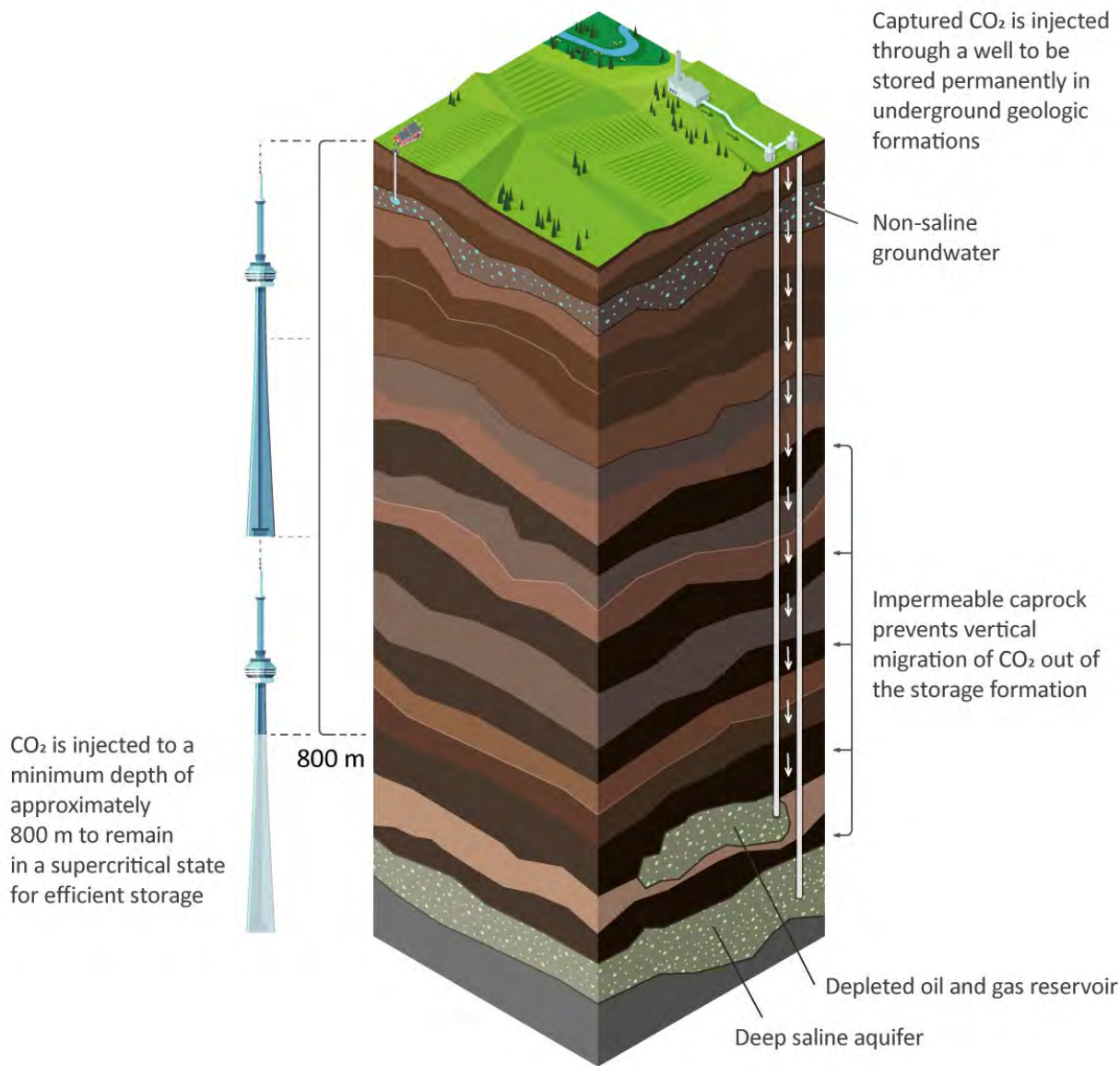


Figure 1: Schematic diagram of geologic carbon storage in a depleted oil and gas reservoir and a deep saline aquifer. This diagram is for illustrative purposes only. Objects shown are not drawn to scale.



Shelburne & District Fire Department

2023 ANNUAL REPORT

MAY 2024

FIRE CHIEF RALPH SNYDER



SHELBURNE & DISTRICT FIRE DEPARTMENT 2023



		Years of service (as of 01/01/24)
<u>Fire Chief</u>	Ralph Snyder	22 (3 with SDFD)
<u>Deputy Chief</u>	Jeff Clayton	30 (7 with SDFD)
<u>Captains</u>	Mike Morrell	26
	Os Fleming	27
	Steve Monds	22
	Kevin Rideout	13
<u>Lieutenants</u>	Oluf Jensen	21
	Tony Quesnelle	14
<u>Training Officer</u>	Jason Duck	11
<u>Firefighters</u>	Rob Sellar	22
	Duane Foulger	21
	Mike Glassford	18
	Ian Wallace	13
	Aaron Ferguson	11
	Matt Giles	9
	Devon Suttell	9
	Eddie Lane	7
	Luke Downey	6
	Mark Cross	6
	Owen Bennington	6
	O'Brian Campbell	6
	Alex Foulger	3
	Julius Mensah	3
	Brandon Batchelor	3
	Chris Garrett	3
	Duane Kettlewell	0
	Darin Watson	0
	Treva Courtney	0
	Scott Hughes	0
	Tyler MacLachlan	0
	Zackary Kruger	0
	Bryan Kubala	0
<u>Administrative</u>	Nicole Hill	9
<u>Co-Op Student</u>	Brad Lafave	1

SHELBURNE & DISTRICT FIRE DEPARTMENT



“SERVING THE MUNICIPALITIES OF AMARANTH, MELANCTHON, MONO, MULMUR AND SHELBURNE”

Chief’s Message

It is my privilege to present the 2023 Annual report for the Shelburne and District Fire Department.

2023 was another busy year for our volunteer/paid-on-call firefighters. The members of SDFD continue to deliver professional and excellent service to the communities, and we should be incredibly proud of their dedication to excellence, knowledge, skills, and teamwork to serve the 5 municipalities 24 hours a day, 365 days a year.

SDFD accomplished the following successes in 2023:

- Responded to 369 calls for service.
- Achieved an average curb time of **5 minutes 55 seconds**, from dispatch until the first apparatus out the door.
- Spent 508 actual hours responding to those incidents for a total of 4458 individual staff hours and 3745 individual responses by our members to answer calls for service.
- Attended 123 training sessions for a time commitment of approximately 28,500 individual hours.
- Firefighters were able to complete 12 Public Education opportunities with different groups. This included participation in an escape plan contest for all 4 elementary schools in our coverage area, neighbourhood blitzes on smoke and CO alarms, as well as our annual open house in October. In total nearly 308.5 hours of Public Education were delivered to our customers.
- Placed a new to us Rescue 26 into service.

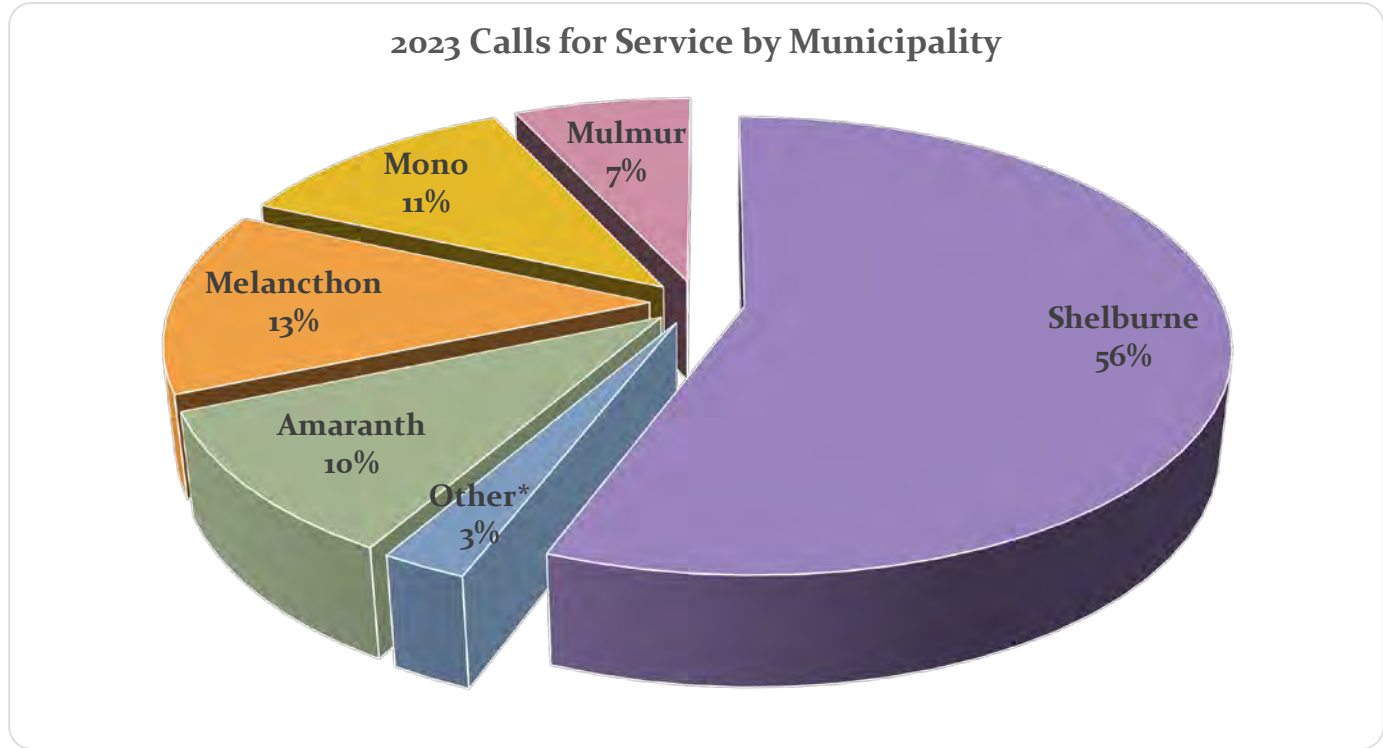
Our members continue to show strong commitment to the community, and I have been proud to lead this dedicated team.

Respectfully and Professionally Submitted,

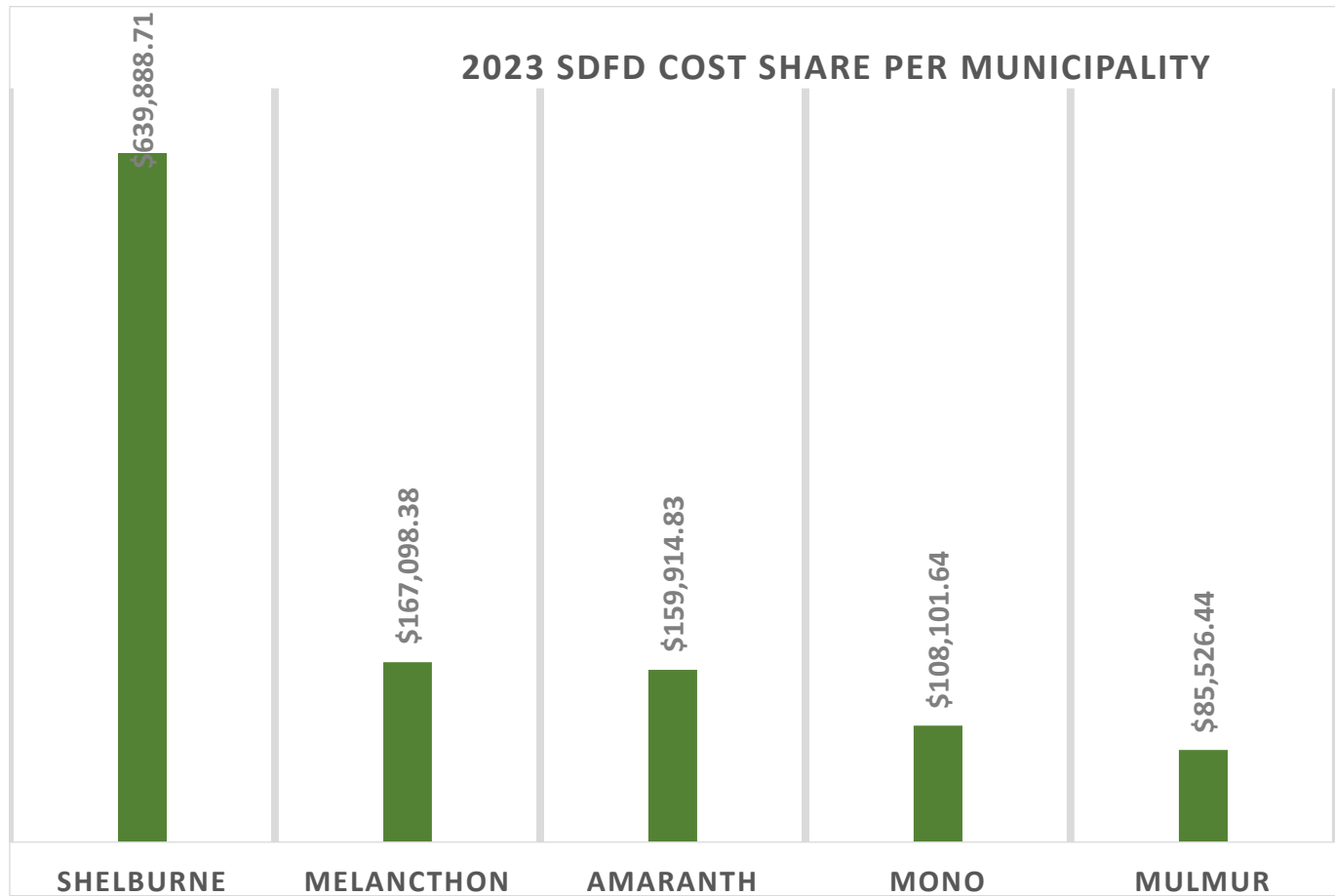
Chief Ralph Snyder

Municipality	# of Calls
Amaranth	38
Melancthon	48
Mono	42
Mulmur	26
Shelburne	206
Other*	9
	369

*Wellington North, East Garafaxa, Orangeville, Southgate, Grand Valley

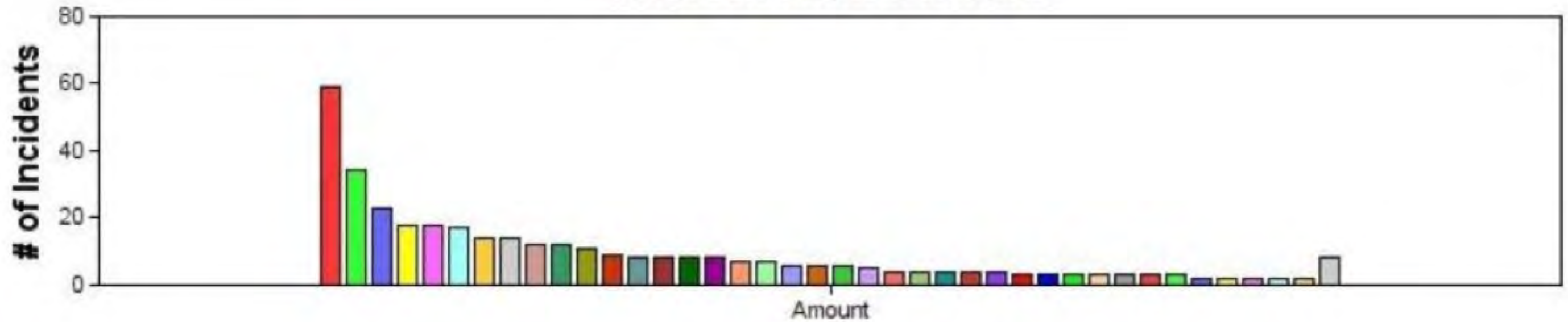


Municipality	% Levy	\$ Levy
Shelburne	55.14%	\$ 639,888.71
Melancthon	14.40%	\$ 167,098.38
Amaranth	13.78%	\$ 159,914.83
Mono	9.31%	\$ 108,101.64
Mulmur	7.37%	\$ 85,526.44
Total Levy		\$ 1,160,530.00



ALL Totals by Type

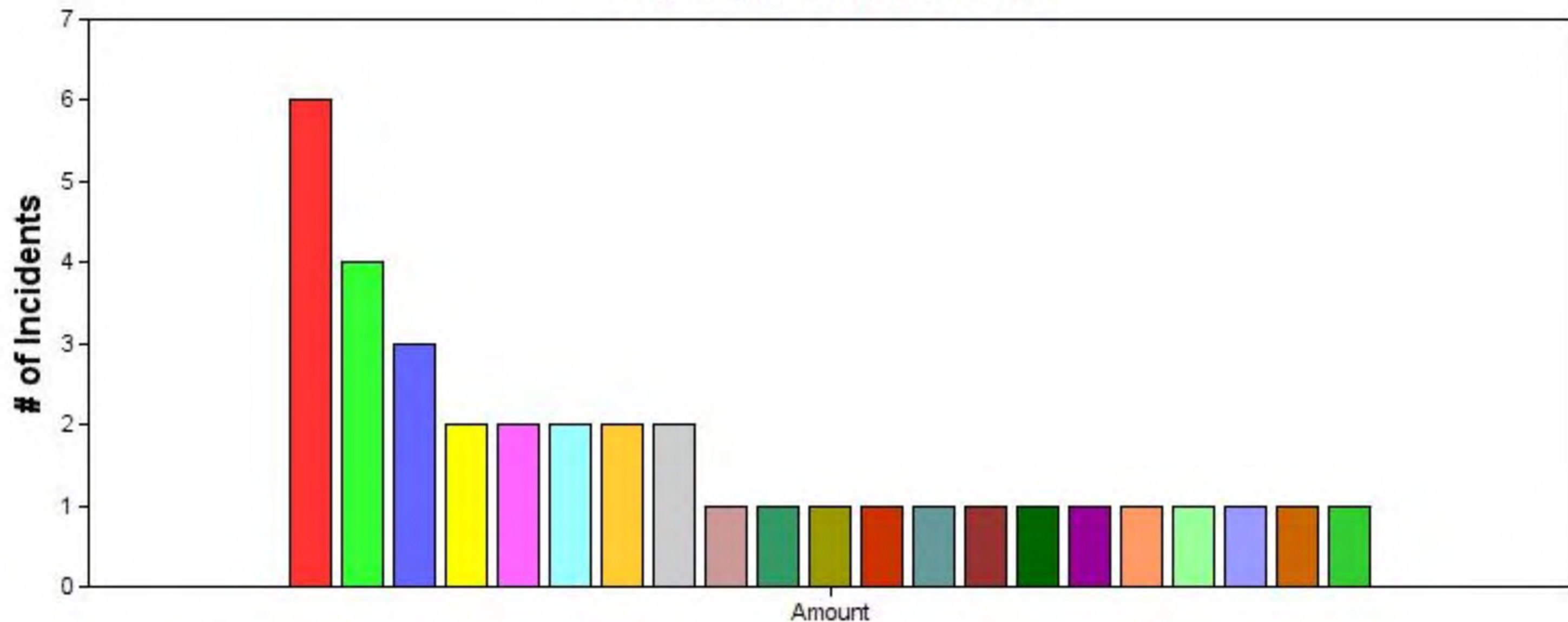
From Jan 1 23 to Dec 31 23



Vehicle Collision - 59	Alarm System Equipment - Malfunction - 34	Other Medical/Resuscitator Call - 23
Assisting Other FD: Mutual Aid - 18	Fire - 18	Alarm System Equipment - Accidental activation (exc. code 35) - 17
Call cancelled on route - 14	Assistance to Other Agencies (exc 921 and 922) - 14	Vital signs absent, DOA - 12
CO false alarm - equipment malfunction (no CO present) - 12	CPR administered - 11	
CO incident, CO present (exc false alarms) - 9	Vehicle Extrication - 8	
NO LOSS OUTDOOR fire (see exclusions) - 8	Medical Aid Not Required on Arrival - 8	
Accident or illness related - cuts, fractures, person fainted, etc. - 8	Gas Leak - Natural Gas - 7	
Incident not found - 7	CO false alarm - perceived emergency (no CO present) - 6	
Human - Perceived Emergency - 6	Alcohol or drug related - 6	Power Lines Down, Arcing - 5
Assistance to Police (exc 921 and 922) - 4	Authorized controlled burning - complaint - 4	
Medical/resuscitator call no action required - 4	Other Public Service - 4	Chest pains or suspected heart attack - 4
Asphyxia, Respiratory Condition - 3	Human - Accidental (alarm accidentally activated by person) - 3	
Oxygen administered - 3	Other False Fire Call - 3	Overheat (no fire, e.g. engines, mechanical devices) - 3
Rescue no action required - 3	Human - Malicious intent, prank - 3	Assistance not required by other agency - 2
Open air burning/unauthorized controlled burning (no uncontrolled fire) - 2	Other Rescue - 2	Seizure - 2
Spill - Gasoline or Fuel - 2	Other - 8	

Totals by Type AMARANTH

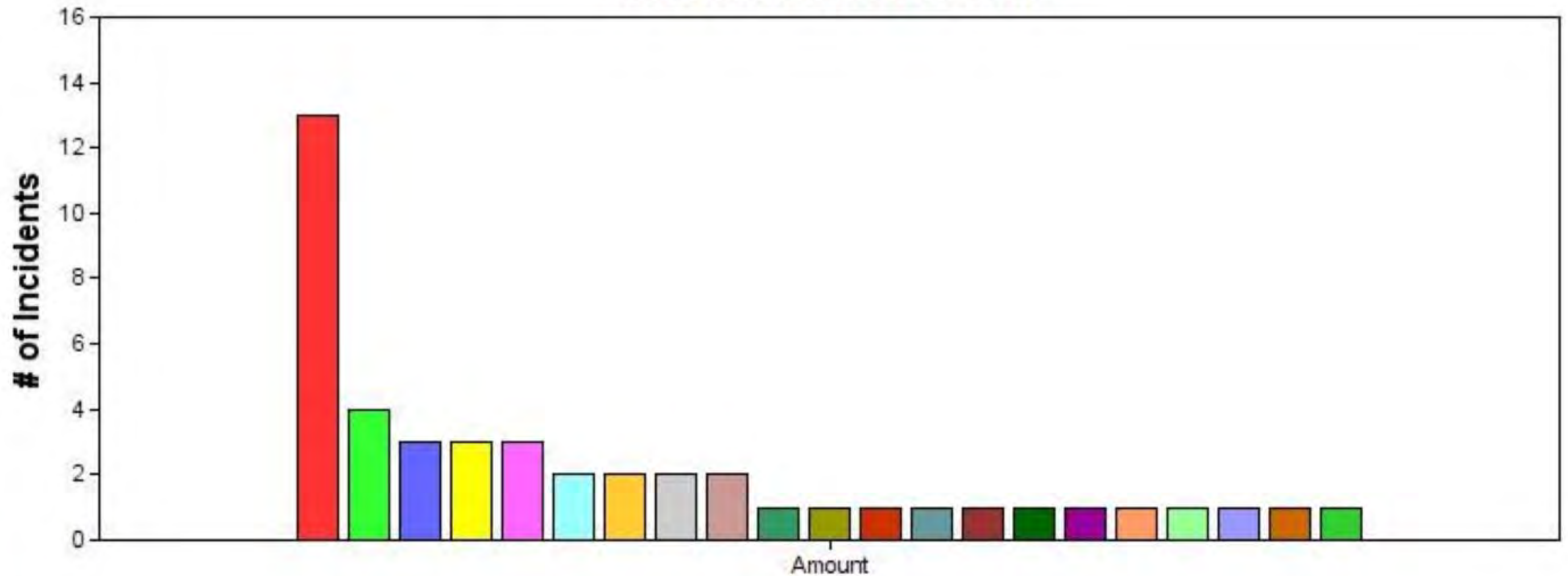
From Jan 1 23 to Dec 31 23



- Vehicle Collision - 6
- Assisting Other FD: Mutual Aid - 4
- CPR administered - 3
- Alarm System Equipment - Malfunction - 2
- Call cancelled on route - 2
- NO LOSS OUTDOOR fire (see exclusions) - 2
- Fire - 2
- Incident not found - 2
- Medical Aid Not Required on Arrival - 1
- Gas Leak - Propane - 1
- CO incident, CO present (exc false alarms) - 1
- Other False Fire Call - 1
- Other Medical/Resuscitator Call - 1
- Alarm System Equipment - Accidental activation (exc. code 35) - 1
- Other pre fire conditions (no fire) - 1
- Other Public Service - 1
- Power Lines Down, Arcing - 1
- Seizure - 1
- Spill - Gasoline or Fuel - 1
- Vehicle Extrication - 1
- Vital signs absent, DOA - 1

Totals by Type MELANCTHON

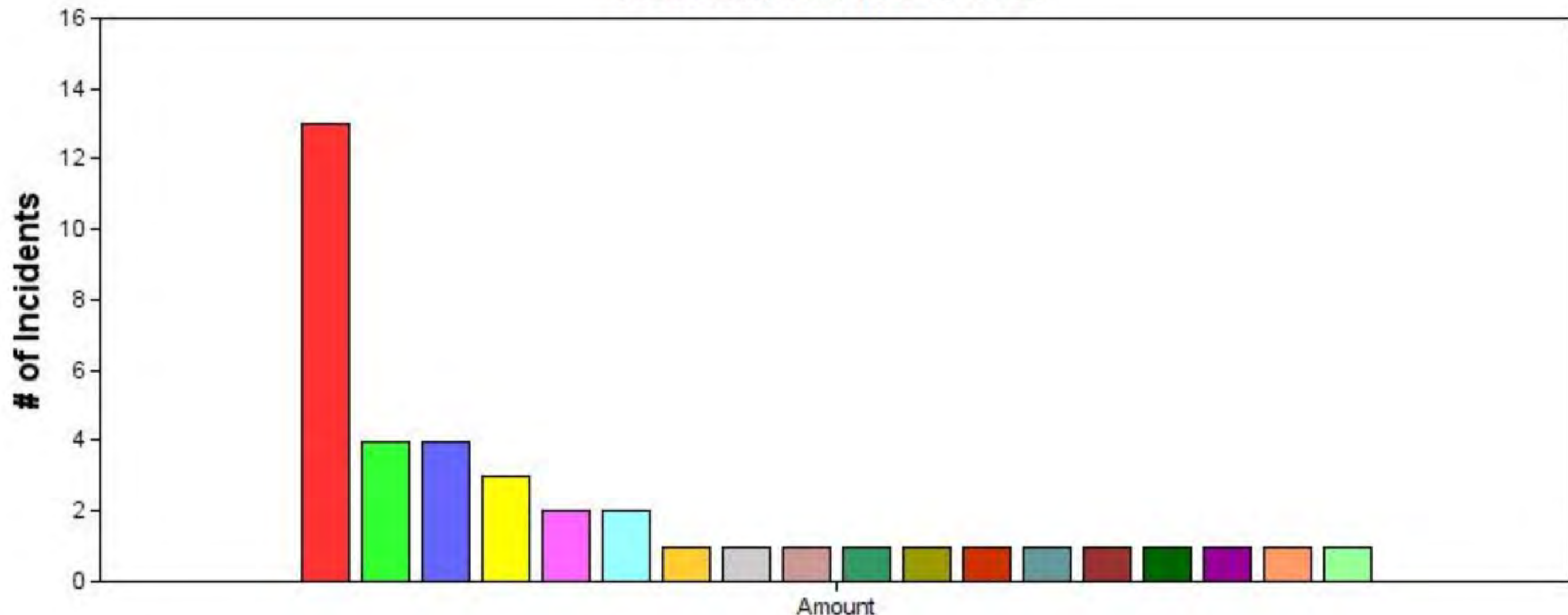
From Jan 1 23 to Dec 31 23



- Vehicle Collision - 13
 Vehicle Extrication - 4
 Authorized controlled burning - complaint - 3
- Other Medical/Resuscitator Call - 3
 Assisting Other FD: Mutual Aid - 3
- CO incident, CO present (exc false alarms) - 2
 CPR administered - 2
 Vital signs absent, DOA - 2
- NO LOSS OUTDOOR fire (see exclusions) - 2
 Alcohol or drug related - 1
- Assistance not required by other agency - 1
 Assistance to Police (exc 921 and 922) - 1
 Call cancelled on route - 1
- CO false alarm - perceived emergency (no CO present) - 1
- Explosion (including during fire, excluding codes 3 and 11-13) - 1
 Fire - 1
 Incident not found - 1
- Medical Aid Not Required on Arrival - 1
 Other Response - 1
 Oxygen administered - 1
- Power Lines Down, Arcing - 1

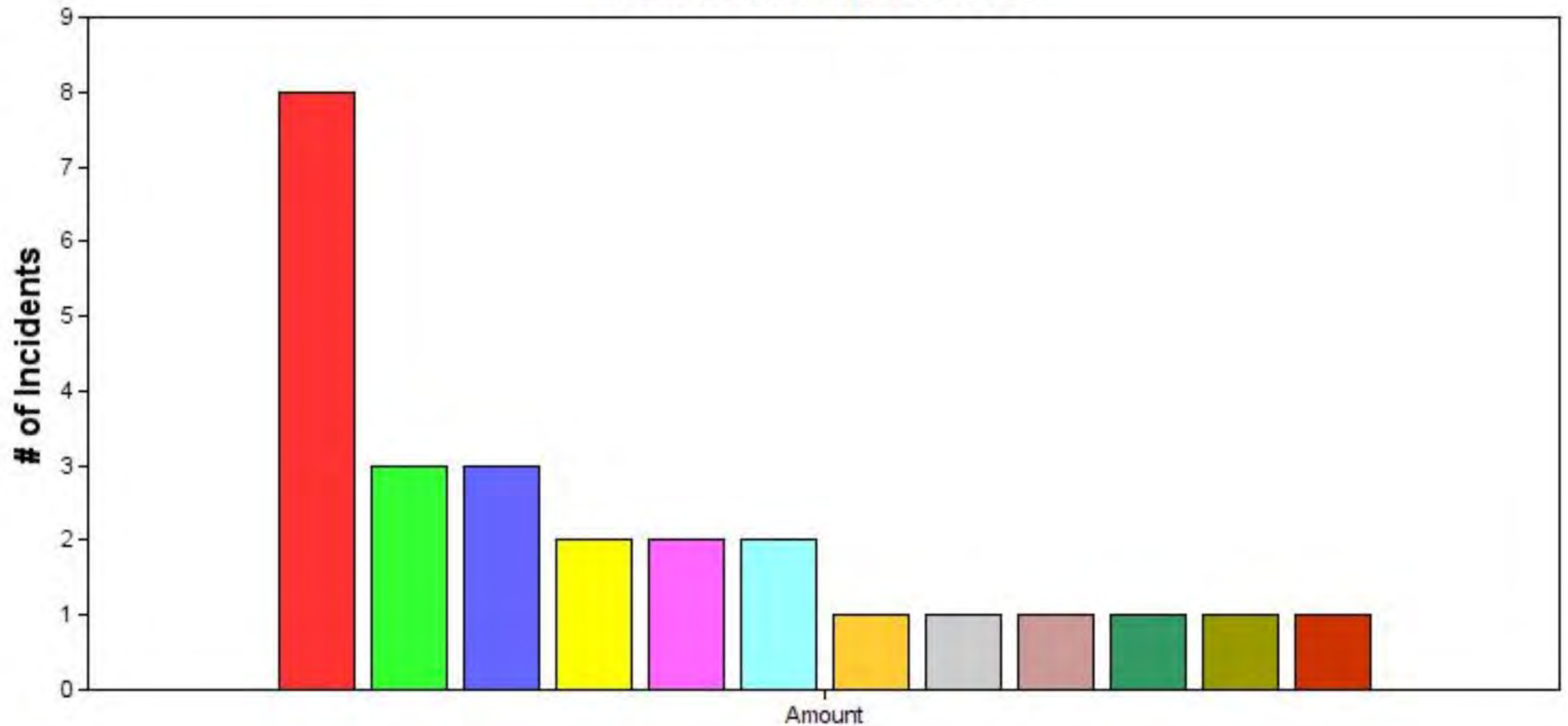
Totals by Type MONO

From Jan 1 23 to Dec 31 23



- Vehicle Collision - 13
 Vital signs absent, DOA - 4
 Call cancelled on route - 4
 Power Lines Down, Arcing - 3
- Incident not found - 2
 Alarm System Equipment - Malfunction - 2
- Accident or illness related - cuts, fractures, person fainted, etc. - 1
- Alarm System Equipment - Accidental activation (exc. code 35) - 1
 Assisting Other FD: Mutual Aid - 1
- CO false alarm - equipment malfunction (no CO present) - 1
 CPR administered - 1
 Fire - 1
- Medical/resuscitator call no action required - 1
 NO LOSS OUTDOOR fire (see exclusions) - 1
- Open air burning/unauthorized controlled burning (no uncontrolled fire) - 1
 Other Medical/Resuscitator Call - 1
- Overheat (no fire, e.g. engines, mechanical devices) - 1
 Rescue no action required - 1

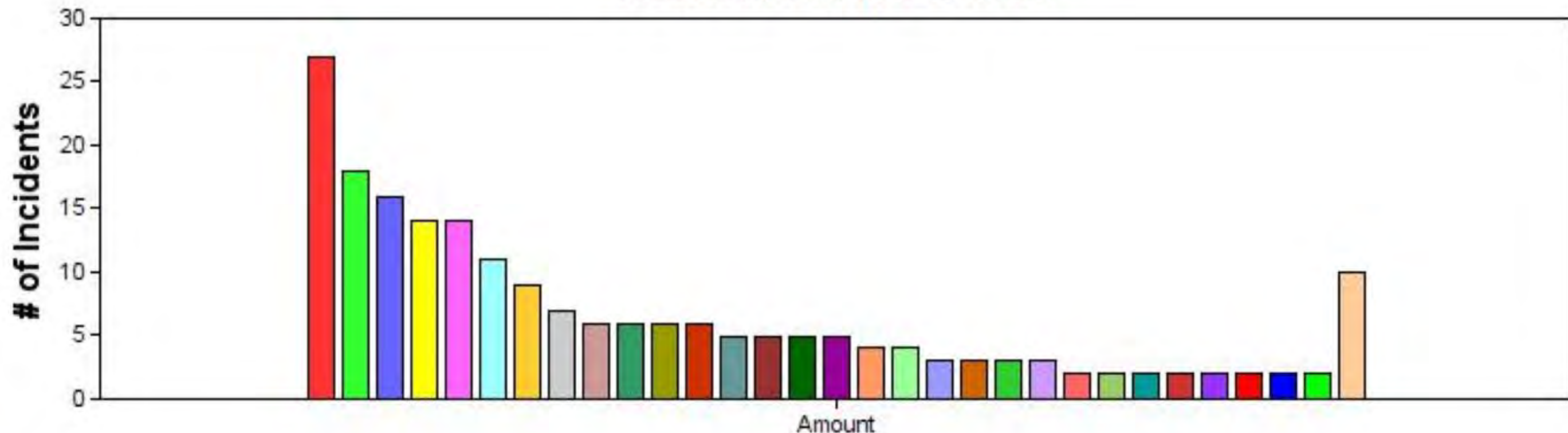
Totals by Type MULMUR
From Jan 1 23 to Dec 31 23



- Vehicle Collision - 8
 Alarm System Equipment - Malfunction - 3
 Fire - 3
- CO incident, CO present (exc false alarms) - 2
 Other Medical/Resuscitator Call - 2
- NO LOSS OUTDOOR fire (see exclusions) - 2
 Alarm System Equipment - Accidental activation (exc. code 35) - 1
- Assistance to Police (exc 921 and 922) - 1
 Call cancelled on route - 1
 Human - Malicious intent, prank - 1
- Rescue no action required - 1
 Vehicle Extrication - 1

Totals by Type Shelburne

From Jan 1 23 to Dec 31 23



- Alarm System Equipment - Malfunction - 27
 Vehicle Collision - 18
 Other Medical/Resuscitator Call - 16
- Assistance to Other Agencies (exc 921 and 922) - 14
- Alarm System Equipment - Accidental activation (exc. code 35) - 14
- CO false alarm - equipment malfunction (no CO present) - 11
 Fire - 9
 Gas Leak - Natural Gas - 7
- Call cancelled on route - 6
 Human - Perceived Emergency - 6
 Medical Aid Not Required on Arrival - 6
- Accident or illness related - cuts, fractures, person fainted, etc. - 6
- CO false alarm - perceived emergency (no CO present) - 5
 Alcohol or drug related - 5
 Vital signs absent, DOA - 5
- CPR administered - 5
 Chest pains or suspected heart attack - 4
 CO incident, CO present (exc false alarms) - 4
- Human - Accidental (alarm accidentally activated by person) - 3
 Asphyxia, Respiratory Condition - 3
- Other Public Service - 3
 Medical/resuscitator call no action required - 3
 Other False Fire Call - 2
- Incident not found - 2
 Other Rescue - 2
 Overheat (no fire, e.g. engines, mechanical devices) - 2
- Human - Malicious intent, prank - 2
 Assistance to Police (exc 921 and 922) - 2
 Oxygen administered - 2
- Vehicle Extrication - 2
 Other - 10



Shelburne and District Fire Department

Fire Chief :Ralph Snyder
114 O'Flynn Street Shelburne ON
Shelburne ON L9V 2W9
PH : 519-925-5111

Page 1 of 1

Date
Apr 27 24

Inspections by Month From Jan 1 23 to Dec 31 23

JAN 2023	3
MAR 2023	11
APR 2023	2
MAY 2023	2
JUN 2023	3
JUL 2023	6
AUG 2023	2
SEP 2023	1
OCT 2023	2
NOV 2023	5
DEC 2023	2
Total:	39

2023 Standard Incident Report Verification

It is important that OFM has ALL of the 2023 SIR reports for your department. Please review the following sections.
(Note: this report only shows data received prior to the date of this report, 01-May-2024)

1. **Last report received:** shows the date of the last report on file for **2023**. Please file late reports as soon as possible.
2. The **Emergency Call Summary** shows the total reports received by OFM as of the date of this report.
3. **Total Emergency Response into other Municipalities** shows total calls by the department into neighbouring municipalities.
4. The **Monthly Summary** section shows the total fire and non-fire reports received by month.
5. The **Exposure Fires** section shows fires where the department reported exposure fires and notes where reports are missing.
6. The **Injuries Reported/ Received** section shows the total injuries reported and the number of full Injury reports filed.
7. The **Fatalities Reported/ Received** section shows the total injuries reported and the number of full Injury reports filed.
8. The **NO LOSS OUTDOOR fire** section lists incidents that do not meet the criteria for this response type and must be revised.
9. The **Missing/Invalid PROPERTY** section lists fire calls with invalid and missing property codes that must be revised.
10. The **Missing/Invalid LOCATION** section lists calls with invalid and missing location/ municipal codes that must be revised.
11. The **Duplicate Records** section lists calls that are duplicated (same dates, times, address, response type).
12. **NEW!** The **Buildings Under Construction** section lists fire calls in buildings "under construction" only, for review.
13. The **FIRE Calls Listing** section lists all fire calls that we have received. For changes to \$ loss, please resubmit your SIR data files or email the revised estimates to ofmstatistics@ontario.ca (**all losses between \$1 and \$3 will be revised to \$0**).

PLEASE VERIFY AND CONFIRM WITH THE OFM:

- If the information shown here is all correct, please email ofmstatistics@ontario.ca and confirm that no revisions are required. Include your FDID in the subject line.
- If revisions are required please file these changes as soon as possible by resubmitting the SIR report(s).

2221 00 Shelburne&District Fire Department

Date of last report received for 2023 : **31-Dec-2023**

Please ensure OFM has all of your SIR reports for emergency incidents attended in 2023.

Emergency Call Summary	Response Type	Total calls	SIR Injuries		SIR Fatalities*		Estimated loss
			CIV	FF	CIV	FF	
(*see Fatalities section!)							
2023 Totals		369	0	0	0	0	\$8,699,000
Fire response		19	5 %				\$8,699,000
Loss reported(includes injuries/\$loss)							
	STRUCTURE	12	3 %	0	0	0	\$8,561,000
	VEHICLE	4	1 %	0	0	0	\$138,000
No loss or injury reported							
	OUTDOOR	1	0 %	0	0	0	\$0
	STRUCTURE	2	1 %	0	0	0	\$0
Fire response - outdoor no loss		8	2 %				
Non fire call		342	93 %				\$0
	Burning (controlled)	6	2 %	0	0	0	\$0
	CO False calls	18	5 %	0	0	0	\$0
	False fire calls	66	18 %	0	0	0	\$0
	Medical/resuscitator call	84	23 %	0	0	0	\$0
	Other response	66	18 %	0	0	0	\$0
	Pre fire conditions/no fire	5	1 %	0	0	0	\$0
	Public Hazard	24	7 %	0	0	0	\$0
	Rescue	73	20 %	0	0	0	\$0

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.



Total Emergency responses into other Municipalities (included in Emergency Call Summary)

If there are no totals listed, there are no reports of emergency responses into other/neighbouring municipalities

Municipality	Total calls
Amaranth	36
East Garafraxa	1
INVALID Location code	1
Melancthon	46
Mono	40
Mulmur	26
Orangeville	4
Southgate	3
Town of Grand Valley	1
Wellington North	2

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

Monthly summary of reports filed * Loss fire: fire with injury, fatality or \$ loss reported. No Loss fire: 0 injury and 0 fatality and \$0 loss.

	Response Type Category	Loss or noLoss*	Total Calls	Injuries Reported	Est \$ Loss
January	Fire response (codes 1 or 2)	Loss	3	0	\$6,260,000
	Fire response - outdoor no loss (code 3)	NoLoss	1		
	Non fire call		23		
February	Fire response (codes 1 or 2)	Loss	2	0	\$478,000
	Non fire call		15		
March	Fire response (codes 1 or 2)	Loss	1	0	\$475,000
	Non fire call		23		
April	Fire response (codes 1 or 2)	NoLoss	1	0	\$0
	Fire response - outdoor no loss (code 3)	NoLoss	2		
	Non fire call		34		
May	Fire response (codes 1 or 2)	Loss	2	0	\$608,000
	Fire response - outdoor no loss (code 3)	NoLoss	1		
	Non fire call		31		
June	Fire response - outdoor no loss (code 3)	NoLoss	1		
	Non fire call		36		
July	Fire response (codes 1 or 2)	Loss	2	0	\$43,000
	Fire response - outdoor no loss (code 3)	NoLoss	2		
	Non fire call		33		
August	Fire response (codes 1 or 2)	Loss	1	0	\$20,000
	Fire response (codes 1 or 2)	NoLoss	1	0	\$0
	Non fire call		26		
September	Fire response (codes 1 or 2)	Loss	1	0	\$50,000
	Fire response (codes 1 or 2)	NoLoss	1	0	\$0
	Non fire call		35		
October	Fire response (codes 1 or 2)	Loss	1	0	\$50,000
	Non fire call		28		
November	Fire response (codes 1 or 2)	Loss	2	0	\$115,000
	Fire response - outdoor no loss (code 3)	NoLoss	1		
	Non fire call		26		
December	Fire response (codes 1 or 2)	Loss	1	0	\$600,000
	Non fire call		32		

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.

2023 Standard Incident Report Verification

Exposure Fires: (If there are no incidents listed, there are no reports of exposure fires.)

Listed below are the fire reports where there is a total reported in the "Total Exposures" field, or "Exposure number" field, or where the "Extent of Fire" field was code "11 - Spread beyond building of origin, resulted in exposure fire(s)".

Heat and/or Smoke damage do not qualify as exposure fire - there must be fire spread between the properties.

Response Type code "3-NO LOSS OUTDOOR FIRE" does not qualify as exposure fire - all exposure related calls must have Response Type "1-Fire" or "2-Explosion".

Please review this listing and ensure that there is a fire report for each of the exposure fires. There should be one exposure fire report (in addition to the initial fire report) for every property that was ignited as a result of the initial fire.

All related exposure fires are listed together with the originating fire report. If you see "**Missing exposure fire...**" or "**Invalid exposure fire..**" notes printed below, please:

- submit the additional required reports, OR
- revise the "Extent of Fire" or "Total Exposures" or "Exposure Number" fields, OR
- revise the "Response Type" to "1-Fire" and resubmit the SIR with Section B completed.

2221 00	Response type	Extent of Fire	Total #	Exposure	Address
Incident Date and call time	Property type	(i.e. spread)	Exposures	Number	
21-Jan-2023 4 14 3 FD incident # 23-014	Fire <i>Detached Dwelling</i>	Spread beyond building of origin, resulted in exposure	0	0	837 O'REILLY CRESCENT SHELBURNE
Fire spread indicates missing exposure records?					

Injuries Reported/ Received: (If there are no incidents listed, there are no reports of applicable injuries.)

*Calls where an injury total was reported on the SIR, or an injury report was received, are listed below.

If the **TOTAL INJURY REPORTS RECEIVED does not match the TOTAL INJURIES REPORTED (on SIR)**, then the entire section will have a grey background, and we are asking you to review those reports. Please provide a revised SIR injury count or resubmit the incident with the missing injury report. At the end of the year OFM will revise the number of injuries on the SIR to match the number of Injury reports received. **Fatalities not included** in this report, contact OFM for fire deaths.

NOTE*: Excluded from this list are Non-fire Civilian Injuries (civilian injuries are accepted for response codes 1 & 2 only), as well as response code "3-No loss outdoor fire" records (injuries not allowed for response code "3").

2221 00

Response Category: Fire response	Total Injury records received:	0	Total Injuries reported on the SIR:	CIV: 0	FF: 0
Response Category: Non fire call	Total Injury records received:	0	Total Injuries reported on the SIR:		FF: 0

Fatalities Reported/ Received: (If no incidents listed, there are no reports of deaths (see notes))

*Calls where a fatality total was reported on the SIR, or a fatal injury report was received, are listed below (see notes). Please contact OFM to **verify any non-fire related FIREFIGHTER deaths!**

If the **TOTAL FATAL INJURY REPORTS RECEIVED** does not match the **TOTAL FATALITIES REPORTED (on SIR)**, then the entire section will have a grey background, and we are asking you to review those reports. Please provide a revised SIR fatality count or resubmit the incident with the missing FATAL injury report. At the end of the year, OFM will revise the number of fatalities on the SIR to match the number of confirmed and verified fire deaths investigated by the office.

Important NOTES*:

- Excluded from this list are Non-fire civilian fatalities (civilian deaths are accepted for response codes 1 & 2 only).
- Excluded from this list are response code "3-No loss outdoor fire" records (deaths not allowed for response code "3").
- OFM investigates all fatal fires in the province and will revise municipal fire death counts at year end to match verified and confirmed fire deaths reported by the Coroner and OFM fire investigators!

2221 00

Response Category: Fire response	Total Fatal records received: 0	Total Fatalities reported on the SIR: CIV: 0	FF: 0
Response Category: Non fire call	Total Fatal records received: 0	Total Fatalities reported on the SIR:	FF: 0

Response Type Code "3-NO LOSS OUTDOOR fire" Report Errors:

Definition: **No loss:** i.e. no fatality, and no injury, and \$0 loss **AND Outdoor:** i.e. open land, trash container outside, etc.
Exclusions: fires occurring in structures, vehicles, recycling/dump sites, exposure fires, or outdoor fires where arson, vandalism or children playing was suspected.

The incidents listed below **do not meet the criteria** for Response code 3, they each have one of - a \$ loss or injury or death or structure or vehicle property type reported. These incidents should be resubmitted as response type code "1 - Fire" with sections B/ C completed where applicable (see definition above).

Please revise these incidents (if there are no incidents listed, there are no reports of this type with errors) and send updated reports to OFMStatistics@ontario.ca or update the report on the OFM data entry website.

FD Incident #	Incident date	Property type	Response type	Reported losses		Address
				Est. \$	Injury Death	

OFM FDID:

Missing / Invalid PROPERTY Code for Fires / Explosions:

Listed below are the fire reports (response codes 1 or 2) with missing or invalid property codes.

If there are no incidents listed below, there are no invalid/missing property codes.

Please identify the correct property for each fire and resubmit these calls to the OFM.

OFM FDID:

FD Incident #	Incident location	Incident date hr min	Response type	Injuries	Estimated \$ loss	Address
			Property type	CIV FF		

Missing / Invalid LOCATION Codes:

Listed below are the incidents with missing or invalid incident location or municipality codes.

If there are no incidents listed below, there are no invalid/missing location/municipality codes.

Please identify the correct location code for incident and resubmit these calls to the OFM.

OFM FDID: 2221 00

FD Incident #	Incident date hr min	Incident Location Code	Response type	Address
23-015	22-Jan-2023 2 2	4211 - 00	Assisting Other FD: Mutual Aid	114 O'FLYNN ST
		INVALID Location codes		SHELBURNE

DUPLICATE Records:

Listed below are multiple incident records with the **same** Incident date, Initial Call Times, Response Type, and Address.

Please review these records and advise the OFM which ones should be deleted!

If there are no incidents listed below, there are no duplicate records found.

NOTE: where multiple stations (belonging to the same Fire Department) are attending the same call, only ONE incident record should be submitted. **FD station assists are not accepted for SIR reporting.**

OFM FDID:

FD Incident # [OFM ID #]	Station#	Incident date/ Call hr min sec	Response type	Address
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[]

NEW! Fires / Explosions in Buildings that were "UNDER CONSTRUCTION" only:

Listed below are the fire reports (response codes 1 or 2) where the "Building Status" code is "3-Under construction". If there are no records listed below, then there were no reports received for fires in buildings under construction.

As there is keen interest in these types of fires, **please review the list below to ensure that all fire incidents involving buildings that were under construction at the time of the fire have been reported for this year.** Please note that if there were 20 buildings on fire, the OFM must receive 20 SIR fire records (exposure fires included).

OFM FDID: **2221 00**

FD Incident #	Incident location	Incident date hr min	Response type Property type	Building status	Address
23-220	Shelburne	8-Aug-23 9 50	Fire Garage: General Auto parking - Structure	Under Construction	:95559 BLIND LINE TOWN OF MONO

2023 Standard Incident Report Verification



FIRE Call Listing (non-fire emergency calls are excluded from this listing)

For \$ loss revision: Please contact the OFMEM Statistics Unit with \$ changes noted or resubmit the SIR report(s).
If FIRE calls are missing, please submit the missing calls electronically to the OFM or enter them into the OFM Fire Department Data entry website. For an **ALL CALL LISTING**, contact us at OFMstatistics@ontario.ca.

*Final fire deaths totals are pending confirmation with OFM fire investigators.

FD Incident # Incident location	Incident date hr min Aid/Assistance type	Response type Property type	CIV FF		[\$ Confirmed] Estimated loss	Address
			Injuries	Fatalities*		
OFM FDID 2221 00 FD INC# 23-006 Melancthon	8-Jan-23 14 51 Fire Fire Protection Agreement	Detached Dwelling	0	0	\$60,000	157351 8TH LINE SW TWP OF MELANCTHON
OFM FDID 2221 00 FD INC# 23-010 Mono	10-Jan-23 13 52 Fire Fire Protection Agreement	Detached Dwelling	0	0	\$5,000,000	155085 MONO-AMARANTH TLINE TOWN OF MONO
OFM FDID 2221 00 FD INC# 23-012 Mono	14-Jan-23 18 4 NO LOSS OUTDOOR fire Fire Protection Agreement		0	0		155085 MONO-AMARANTH TLINE TOWN OF MONO
OFM FDID 2221 00 FD INC# 23-014 Shelburne	21-Jan-23 4 14 Fire Fire Protection Agreement	Detached Dwelling	0	0	\$1,200,000	837 O'REILLY CRESCENT SHELBURNE
OFM FDID 2221 00 FD INC# 23-038 Mulmur	12-Feb-23 14 54 Fire Fire Protection Agreement	Detached Dwelling	0	0	\$475,000	17378 1ST LINE E TWP OF MULMUR
OFM FDID 2221 00 FD INC# 23-043 Shelburne	27-Feb-23 3 45 Fire Fire Protection Agreement	Automobile	0	0	\$3,000	1 JOHN ST SHELBURNE
OFM FDID 2221 00 FD INC# 23-046 Mulmur	5-Mar-23 10 45 Fire Fire Protection Agreement	Detached Dwelling	0	0	\$475,000	16 MCCUTCHEON RD TWP OF MULMUR
OFM FDID 2221 00 FD INC# 23-081 Mulmur	9-Apr-23 16 10 NO LOSS OUTDOOR fire Fire Protection Agreement		0	0		176517 CENTRE RD TWP OF MULMUR
OFM FDID 2221 00 FD INC# 23-087 Mulmur	13-Apr-23 15 48 Fire Fire Protection Agreement	Open Land (e.g. light ground cover, bush, grass, etc.)	0	0	\$0	196519 2ND LINE W TWP OF MULMUR
OFM FDID 2221 00 FD INC# 23-095 Mulmur	17-Apr-23 11 8 NO LOSS OUTDOOR fire Fire Protection Agreement		0	0		136536 PRINCE OF WALES RD TWP OF MULMUR
OFM FDID 2221 00 FD INC# 23-125 Shelburne	22-May-23 12 28 Fire Fire Protection Agreement	Shed, Children's Playhouse	0	0	\$8,000	720 OWEN SOUND ST SHELBURNE
OFM FDID 2221 00 FD INC# 23-128 Melancthon	23-May-23 13 54 NO LOSS OUTDOOR fire Fire Protection Agreement		0	0		97369 2ND LINE NE TWP OF MELANCTHON
OFM FDID 2221 00 FD INC# 23-136 Shelburne	30-May-23 6 34 Fire Fire Protection Agreement	Rooming/Boarding House	0	0	\$600,000	154 MAIN ST SHELBURNE
OFM FDID 2221 00 FD INC# 23-143 Melancthon	4-Jun-23 19 52 NO LOSS OUTDOOR fire Fire Protection Agreement		0	0		137146 4TH LINE TWP OF MELANCTHON
OFM FDID 2221 00 FD INC# 23-180 Amaranth	8-Jul-23 14 33 NO LOSS OUTDOOR fire Fire Protection Agreement		0	0		174545 6TH LINE TWP OF AMARANTH

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.



2023 Standard Incident Report Verification

OFM FDID 2221 00					0	0			
FD INC# 23-197	19-Jul-23	22 23	Fire		0	0	\$40,000	NA NA	
Shelburne			Automobile						TWP OF AMARANTH
OFM FDID 2221 00					0				
FD INC# 23-206	27-Jul-23	8 34	NO LOSS OUTDOOR fire		0			I75512 COUNTY ROAD 11	
Amaranth			Fire Protection Agreement						TWP OF AMARANTH
OFM FDID 2221 00					0	0			
FD INC# 23-212	31-Jul-23	4 40	Fire		0	0	\$3,000	633 MAIN ST E	
Shelburne			Detached Dwelling						SHELBURNE
OFM FDID 2221 00					0	0			
FD INC# 23-220	8-Aug-23	9 50	Fire		0	0	\$0	I95559 BLIND LINE	
Shelburne			Garage: General Auto parking - Structure						TOWN OF MONO
OFM FDID 2221 00					0	0			
FD INC# 23-229	16-Aug-23	18 48	Fire		0	0	\$20,000	I75515 COUNTY ROAD 11	
Amaranth			Fire Protection Agreement Other Vehicle						TWP OF AMARANTH
OFM FDID 2221 00					0	0			
FD INC# 23-256	12-Sep-23	1 12	Explosion (including during		0	0	\$50,000	I76418 3RD LINE	
Melancthon			Fire Protection Agreement Motor Home, Camper, Trailer						TWP OF MELANCTHON
OFM FDID 2221 00					0	0			
FD INC# 23-258	12-Sep-23	17 56	Fire		0	0	\$0	281 BERRY ST	
Shelburne			Detached Dwelling						SHELBURNE
OFM FDID 2221 00					0	0			
FD INC# 23-303	27-Oct-23	9 53	Fire		0	0	\$50,000	337 PINEVIEW GDNS	
Shelburne			Mutual Aid Detached Dwelling						SHELBURNE
OFM FDID 2221 00					0	0			
FD INC# 23-312	8-Nov-23	13 23	Fire		0	0	\$75,000	NA NA	
Amaranth			Fire Protection Agreement Small Truck (e.g. pick-up, van, etc.)						TWP OF AMARANTH
OFM FDID 2221 00					0	0			
FD INC# 23-318	10-Nov-23	21 37	Fire		0	0	\$40,000	300 SECOND LINE	
Shelburne			Mfg:Road Vehicles, Parts						SHELBURNE
OFM FDID 2221 00					0				
FD INC# 23-327	25-Nov-23	19 7	NO LOSS OUTDOOR fire		0			655 MAIN ST E	
Shelburne									SHELBURNE
OFM FDID 2221 00					0	0			
FD INC# 23-368	30-Dec-23	3 24	Fire		0	0	\$600,000	117 SECOND AVE W	
Shelburne			Detached Dwelling						SHELBURNE

Note: The SIR requires that exposure fires are reported as additional fire records. If your system combines all exposure fires as 1 emergency response, your number of fires will differ from the OFM total fires. For more information or more detailed reports e-mail your request to OFMstatistics@ontario.ca.





Apparatus & Vehicle Assessment Report

The Shelburne and District Fire Department employs a wide range of fire apparatus and vehicles, along with tools and equipment, in carrying out its core mission. The department's vehicle fleet includes emergency response apparatus such as firefighting pumpers, aerial ladder apparatus, a water tanker (water supply vehicle), and a rescue vehicle. In addition, the fleet includes specialized apparatus support vehicles. The rescue and support vehicles can include hazardous materials response equipment, decontamination devices and diking materials, rehabilitation supplies and scene lighting.

The mission, duties, demographics, geography, and construction features within the community all play a major role in the make-up of the apparatus and vehicle inventory. These factors, as well as the funding available, are taken into consideration when specifying and purchasing apparatus and vehicles. Additionally, every effort is made to make apparatus and vehicles additions and replacements as versatile and multifunctional as possible.

It is a generally accepted fact that fire department apparatus and vehicles, like all types of mechanical devices, have a finite life. The length of that life depends on many factors, including vehicle mileage and engine hours, quality of preventative maintenance, and the quality of the driver operator training program. Also, longevity can be impacted by whether the fire apparatus is used within the design parameters, whether the apparatus was manufactured on a custom or commercial chassis, quality of workmanship by the original equipment manufacturer (OEM), quality of the components and materials used, and availability of replacement parts, to name a few. In the fire service, there are fire apparatus with 8 to 10 years of service that are simply worn out. There are also fire apparatus that were manufactured with quality components, that have had excellent maintenance, and that have responded to a minimum number of incidents that are still in serviceable condition after 20 years. Factors influencing apparatus replacement are age, mileage, cost per mile, and overall condition of the vehicle. The most emphasis in this document is placed on age and mileage.

Throughout this document, data as of September 1, 2023, are provided to illustrate the age, mileage, and the asset degree of physical condition using the scale as shown in Table 1.

GRADE	DESCRIPTION
Very Good	The asset is typically new or recently rehabilitated.
Good	The asset has some components that show general signs of deterioration that require attention.
Fair	The asset shows general signs of deterioration and requires attention.
Poor	The asset is mostly below standard, with many components approaching the end of their service life.
Very Poor	The asset is in unacceptable condition with widespread signs of advanced deterioration.

Table 1: Degree of Apparatus and Vehicle Physical Condition Scale



Apparatus & Vehicle Assessment Report

Overall, the department has a comprehensive inventory of apparatus and other vehicles. It is the position of the department that it is well equipped to meet the types of emergency situations that it is likely to encounter within its urban, suburban, and rural characterized boundaries. The average age of the department five front-line apparatus is 8.3 years, with the oldest being 15 years in service.

This report includes an assessment of the apparatus or vehicle to determine status and replacement. The program utilizes an assessment and inspection process for moving an apparatus from in service to retirement. While apparatus data and records are maintained throughout the life of the vehicle, more focused evaluations are conducted during preventative maintenance servicing and annual performance testing (i.e., fire pump and aerial ladder). Apparatus undergoes an assessment and inspection process conducted by the department's outside service providers and internal personnel. The process includes an inspection to assess the condition and performance of the apparatus. A recommendation for retirement of an apparatus or vehicle is made by the fire department administration to the Fire Board. The adopted apparatus replacement program is efficient, cost effective, and a best practice.

NFPA 1901: Standard for Automotive Fire Apparatus, 2016 edition, serves as a guide in the design of fire apparatus; while NFPA 1911: Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus helps ensure in-service fire apparatus are serviced and maintained to always keep them in safe operating condition and ready for response. The documents are updated every five years, using input from public and private stakeholders through a formal review process. The committee membership is made up of representatives from the fire service, manufacturers, consultants, and special interest groups. The committee monitors various issues and problems that occur with fire apparatus and attempts to develop standards that address those issues. A primary interest of the committee over the past years has been improving firefighter safety and reducing fire apparatus accidents. The Annex Material in NFPA 1911 contains recommendations and work sheets to assist in decision making in vehicle replacement. With respect to recommended vehicle service life, the following excerpt is noteworthy: "It is recommended that apparatus greater than 15-years old that have been properly maintained and that are still in serviceable condition be placed in reserve status and upgraded in accordance with NFPA 1912, Standard for Fire Apparatus Refurbishing, to incorporate as many features as possible of the current fire apparatus standard. This will ensure that, while the apparatus might not totally comply with the current edition of the automotive fire apparatus standards, many improvements and upgrades required by the recent versions of the standards are available to the firefighters who use the apparatus." The standard goes on to state; "Apparatus that were not manufactured to the applicable apparatus standards or that are over 25 years old should be replaced."



Apparatus & Vehicle Assessment Report

Apparatus Overview

Pumping Apparatus

Firefighting pumpers, also known as engines, are the bread and butter to a fire department. SDFD operates two pumpers a 2017 and a 2021 both on Spartan Metro Star chassis. This type of apparatus is comprised of three main elements: pump, water, and hose. Front-line pumpers have at minimum a 1,250 gallons per minute fire pump, 750 gallons of water, and 30 gallons of Class A firefighting foam. In addition, each pumper must have at least 700 feet (ft.) of large diameter hose, 700 ft. of 65mm hose, 700 ft. of 45mm hose, various nozzles, adaptors, limited forcible entry tools, thermal imaging camera, and 48 ft. of ground ladders and life support equipment to meet the fire protection and emergency medical service demands of the community, as well as NFPA standards and requirements. The primary jobs of pumpers and personnel are to establish a constant water supply, minimize fire and smoke exposure to other structures, and eliminate the source of the fire. Both apparatuses are in very good condition and were manufactured with the latest safety features.





Apparatus & Vehicle Assessment Report

Aerial Ladder Apparatus

The department operates one aerial ladder truck – also called a truck company or ladder company on a 2012 E-One HP 100 chassis. This apparatus is rarely assigned to respond alone; it typically is assigned to incidents with pumpers or other apparatus. Along with a full cache of rescue, ventilation, and cutting equipment, it carry's numerous ground ladders, and a 100-foot hydraulic powered aerial ladder. On fire scenes, ladder companies are responsible for laddering, overhaul, ventilation, forcible entry, search and rescue, salvage, and utility control. This apparatus is useful in situations requiring an elevated access for rescue operations, restricted access, or master stream operations. Overall, this apparatus is in very good condition and was repaired to pass every 5-year required non-destructive testing in 2022.





Apparatus & Vehicle Assessment Report

Technical Rescue Apparatus

The department's rescue apparatus is the nucleus of special operations and technical rescue operations. The department has one rescue unit built by Valley Fire on a 2015 Spartan Metro Star chassis. It is charged with providing the necessary personnel and equipment to rescue individuals trapped in life-threatening situations. This apparatus is a critical asset during routine fire incidents, as well as those less common, such as vehicle extrication, machinery rescue, HazMat and other incidents that required a specialized response capability. The rescue apparatus is very much like a huge rolling toolbox operated by firefighters. It is an essential component of the department's response potential and proficiency. The apparatus was purchased used in 2023 includes a cascade system for filling breathing air cylinders and a Wilburt light tower.





Apparatus & Vehicle Assessment Report

Mobile Water Supply Apparatus

The department utilizes mobile water supply apparatus to support firefighting in situations where water supply may be impacted, such as areas of the Township without public water service and fire hydrants. These types of apparatus are better known as “tenders” or “tankers”, which are designed primarily for transporting water to fire emergency scenes to be applied by pumping apparatus. The department has one 2,500 imp. gallon unit built by Seagrave on a 2009 International 7600 chassis. It also available for mutual aid responses to communities that collaborate and cooperate with SDFD. In general, the apparatus is safe and reliable, and in fair condition.





Apparatus & Vehicle Assessment Report

STAFF AND UTILITY VEHICLES

The department operates two staff and utility vehicles for transporting personnel to conduct the department's daily business and equipment between the fire station and incident scenes. These assigned vehicles can also be utilized to transport gear and equipment for emergency incidents as needed.

The Fire Chief is assigned a staff vehicle (C21), he or she is "on call" 24-hours a day, seven days a week. It is a Ford Explorer Police Interceptor previously operated by the Shelburne Police Department. It has seen some mechanical issues, rated as poor condition and scheduled for replacement in 2024.



The other utility vehicle (C22) is housed at the fire house for use by any firefighter. The primary use is for the Deputy Chief to respond and use as a command vehicle in the Chief's absence. This vehicle may be used for conducting approved department business, driving out of town for fire department related training, or responding to emergency incidents. The vehicle provides the ability to carry resources to conduct fire and life safety inspections, fire scene investigations, as well as store personal protection equipment. It is rated in very good condition.





Apparatus & Vehicle Assessment Report

Vehicle No.	Type	Year	Manufacturer & Model	Mileage Km <small>(as of May 1/24)</small>	Condition	Planned Replacement
P24	Pumper	2017	Spartan Metro Star	17377	Very Good	2037
P27	Pumper	2021	Spartan Metro Star	5907	Very Good	2041
L28	Aerial	2012	E-One HP 100	9320	Very Good	2037
R26	Rescue	2015	Spartan Metro Star	8063	Very Good	2035
T25	Tanker	2009	International 7600	31068	Fair	2025
C21	SUV	2017	Ford Explorer	195961	Poor	2024
C22	Pickup	2019	Chev Silverado	35177	Very Good	2029

SHELBURNE & DISTRICT FIRE DEPARTMENT



“SERVING THE MUNICIPALITIES OF AMARANTH, MELANCTHON, MONO, MULMUR AND SHELBURNE”

2023 Firefighter Training

Our dedicated Firefighters attended a total of 123 training sessions in 2023 for a total of 280.5 training hours. This amounted to 1231 individual hours of training.

We generally divide into two training topics on a weekly basis and trainees switch topics each week. The training schedule is set at least 1 month in advance and a written lesson plan is prepared and approved by Chief Officers.

Outside of the scheduled internal training we had external training opportunities. We are starting to see an improvement in the availability through the expansion of Regional Training Centers within a reasonable travel distance. In 2023 we had SDFD members attend training at Regional Training Centers in Grey County, Conestoga College, Grimsby, Innisfil and Oakville.

The 8-member dedicated rope rescue team committed over 40 additional hours to maintaining their competency with this technical skill to maintain NFPA 1006 certification.

In conjunction with Orangeville Fire and Emergency Services we had 13 members attend live fire training with the OFM Mobile Live Fire Training Unit.

The training library continues to be well utilized by the members. Materials including texts, videos, and workbooks were signed out regularly. We are progressing with a blended training program using Fire Learning Management System software, where firefighters can do theory training online, and complete practical skills at live training.

We are progressing well to have all our active firefighters certified to the NFPA 1001 Firefighter II standard or higher by the end of 2024.

Additionally, we have members certified in NFPA 1002 Driver/Pump Operator, NFPA 1006 Technical Rescue, NFPA 1021 Fire Officer levels I through IV, NFPA 1031 Fire Inspector levels I and II , NFPA 1033 Fire Investigator, NFPA 1035 Fire & Life Safety Educator, NFPA 1041 Fire Instructor levels I and II, NFPA 1072 HazMat Operations and technician levels, and NFPA 1521 Incident Safety Officer.

We have had 3 firefighters complete their training and certification to NFPA 1021 Fire Officer level II. All training records continue to be maintained electronically on our FirePro2 software.

SHELburnE & DISTRICT FIRE DEPARTMENT



“SERVING THE MUNICIPALITIES OF AMARANTH, MELANCTHON, MONO, MULMUR AND SHELburnE”

Chairman and Members of the Shelburne and District Fire Board of Management.

I thank the municipalities again for giving me the opportunity to lead this fire department.

2023 was another great year for the Shelburne & District Fire Department. Our firefighters continued to show their professionalism with commitment to supporting our communities through training and response.

With the transition towards full NFPA certifications. All firefighters will be required to achieve NFPA certification for the roles they perform under our Establishing and Regulating bylaws starting in July of 2026. We are hoping to meet this regulation by the end of 2024.

We continue to review the long-term replacement plans to evaluate options for maintaining a viable emergency response fleet and facilities. We are continuing to see a significant increase upwards in the cost of new fire apparatus. The installation of a SCBA cylinder filling station for our breathing air has improved our response and training capabilities. We secured a grant from Farm Credit Canada to help offset this capital purchase in 2023.

We are progressing with the training of our Firefighters and Officers. We continue to investigate new ways to achieve training goals. We have some very qualified personnel to lead in-house courses. Training on search, rescue, and firefighter survival in a realistic environment is improved with the ability to use on-air SCBA due to the new filling station. We are in the process of installing a small training facility with assistance from The Shelburne Firefighters Association.

SDFD call volume increased again with an additional 36 calls up 9% over 2022's responses. We anticipate the needs of residents and visitors in our catchment area to continue to result in higher call volumes. We should continually address potential growth of department resources and service delivery model changes to meet future challenges with the professional service that our residents have come to expect.

Ralph Snyder
Fire Chief
Shelburne & District Fire Department



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July 30, 2024

Attention: Denise B. Holmes, CAO/Clerk, Township of Melancthon
Re: Melancthon Township Turbine

Dear Denise,

On July 17, 2024, TransAlta received an inquiry about the visual appearance of Turbine 146 at our Melancthon Wind Facility in Melancthon, Ontario. Firstly, we want to assure you that the visual discoloration on the turbines does not affect their operation or have any environmental impact. This discoloration is a result of the turbines' operational use and does not compromise their safety or functionality.

Our Melancthon Wind Facility, operational since 2008, consists of 88 wind turbines. We are committed to their upkeep and efficiency. As part of our routine procedures, we conduct annual maintenance every fall to ensure the continued safety and reliability of our turbines. During this maintenance period, we will assess the condition of the turbines, including the discoloration issue.

Addressing the discoloration involves replacing the entire blade bearing assembly on the impacted turbine. This is a significant task that requires careful planning and consideration. While replacing the blade bearing assembly is a complex process, we are considering maintenance after our yearly inspection. Currently, we are planning the replacement of two blade bearings for the fall and will review Turbine 146. This is in line with our standard procedures and maintenance activities of the site.

We appreciate your understanding and thank you for reaching out regarding our Melancthon Wind Facility.

Yours truly,

TRANSALTA CORPORATION

Hamreet Sekhon
Senior Advisor, Stakeholder Engagement



Energizing the Future.

GB 17.3.1
AUG 15 2024



**The Corporation of the
TOWNSHIP OF MELANCTHON**

157101 Highway 10, Melancthon, Ontario, L9V 2E6

STAFF REPORT

TO: Council

FROM: Sarah Culshaw, Treasurer/Deputy Clerk

DATE: August 8, 2024

SUBJECT: Budget Summary

Purpose

The purpose of this report is to present the Mid-Year Budget Summary to Council for review.

Discussion

Notable points:

The Budget Summary provided with this report shows the 2024 Approved Budget and the 2024 Actuals as of August 1, 2024. Most of the capital projects and purchases are not reflected in this Budget Summary. As per the attached schedule, I have no major concerns at this time.

Respectfully submitted.

Sarah Culshaw


TOWNSHIP OF MELANCTHON 2024 as of August 1, 2024


BUDGET PAGE	DEPARTMENT EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
GENERAL GOVERNMENT SERVICES			
4	COUNCIL	\$ 72,301.47	\$ 120,387.00
5	ADMINISTRATION	\$ 523,776.50	\$ 919,397.00
5	TAXATION WRITE OFFS	\$ 10,955.02	\$ 50,000.00
		\$ 607,032.99	\$ 1,089,784.00
PROTECTION TO PERSONAL & PROPERTY			
6	FIRE SERVICES	\$ 116,014.32	\$ 417,686.00
6	POLICING	\$ 271,541.42	\$ 488,370.00
6	BYLAW ENFORCEMENT	\$ 24,632.11	\$ 32,000.00
6	CONSERVATION AUTHORITY	\$ 3,967.28	\$ 36,016.00
6	ANIMAL CONTROL	\$ 4,088.87	\$ 11,500.00
6	STREET LIGHTS	\$ 4,158.44	\$ 6,500.00
		\$ 424,402.44	\$ 992,072.00
TRANSPORTATION SERVICES			
7	SALARIES & ADMINISTRATION	\$ 369,193.78	\$ 715,300.00
7	ROAD DEPARTMENT BUILDING & MISC.	\$ 50,049.85	\$ 202,942.00
8	ROAD EQUIPMENT	\$ 217,604.31	\$ 416,444.20
8	NEW EQUIPMENT	\$ 17,299.20	\$ 150,000.00
9	BRIDGES, CULVERTS, DRAINS	\$ 30,678.26	\$ 310,907.00
9	ROADSIDE	\$ 7,468.52	\$ 21,700.00
9	HARDTOP	\$ 6,731.62	\$ 49,500.00
9	LOOSETOP	\$ 573,814.91	\$ 602,000.00
10	WINTER CONTROL	\$ -	\$ 70,000.00
10	ROAD IMPROVEMENTS	\$ -	\$ 375,000.00
10	RESERVES	\$ -	\$ 270,000.00
10	BUILDING IMPROVEMENTS	\$ -	\$ -
		\$ 1,272,840.45	\$ 3,183,793.20

BUDGET PAGE	DEPARTMENT EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
11	ENVIRONMENTAL SERVICES	\$ 8,158.61	\$ 33,918.00
		\$ 8,158.61	\$ 33,918.00
11	RECREATION	\$ 108,261.24	\$ 129,700.00
		\$ 108,261.24	\$ 129,700.00
11	HEALTH & SOCIAL SERVICES (CEMETERY)	\$ 340.83	\$ 5,000.00
		\$ 340.83	\$ 5,000.00
11	LIBRARY	\$ 43,842.00	\$ 69,490.00
		\$ 43,842.00	\$ 69,490.00
12	PLANNING	\$ 11,528.99	\$ 200,000.00
		\$ 11,528.99	\$ 200,000.00
12	DRAINAGE	\$ 14,642.61	\$ 55,000.00
		\$ 14,642.61	\$ 55,000.00
12	RESERVES	\$ -	\$ -
		\$ -	\$ -
12	SUBTOTAL EXPENSES	\$ 2,491,050.16	\$ 5,758,757.20

BUDGET PAGE	DEPARTMENT REVENUE SUMMARY	2024 As of Aug 1, 2024	2024 BUDGET
13	TAXATION		
	SUPPLEMENTALS	\$ -	\$ 90,000.00
	GRANT IN LIEU	\$ 503.85	\$ 2,050.00
		\$ 503.85	\$ 92,050.00
13	GRANTS	\$ 195,502.00	\$ 406,590.00
		\$ 195,502.00	\$ 406,590.00
13	ADMINISTRATION	\$ 89,744.64	\$ 93,664.20
		\$ 89,744.64	\$ 93,664.20
14	PROTECTIONS TO PERSONS & PROPERTY	\$ 5,912.50	\$ 5,500.00
		\$ 5,912.50	\$ 5,500.00
14	ROADS	\$ 10,600.00	\$ 902,137.00
		\$ 10,600.00	\$ 902,137.00
14	PLANNING	\$ 36,300.00	\$ 57,450.00
		\$ 36,300.00	\$ 57,450.00
15	OTHER	\$ 285,088.95	\$ 897,150.00
		\$ 285,088.95	\$ 897,150.00
15	SUBTOTAL REVENUE	\$ 623,651.94	\$ 2,454,541.20

GL ACCT # 5001	COUNCIL EXPENDITURES EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
1010	SALARIES, MEETINGS	\$ 65,436.32	\$ 99,505.00
1025	RECEIVER GENERAL	\$ 3,199.35	\$ 4,840.00
1030	EHT	\$ 1,027.21	\$ 1,942.00
1070	MILEAGE		\$ 1,000.00
1080	CONFERENCES/CONVENTIONS/SEMINARS/TRAINING	\$ 1,859.47	\$ 9,500.00
1090	MEALS	\$ 196.47	\$ 600.00
2190	MISCELLANEOUS/HYBRID COUNCIL	\$ 582.65	\$ 3,000.00
	TOTAL COUNCIL EXPENDITURES	\$ 72,301.47	\$ 120,387.00

GL ACCT # 5002	ADMINISTRATION EXPENDITURES EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
1010	WAGES, VACATION PAY, UNUSED SICK PAY	\$ 244,523.12	\$ 379,180.00
1020	BENEFITS	\$ 19,318.16	\$ 32,000.00
1022	TRAINING	\$ 1,129.54	\$ 2,000.00
1025	RECEIVER GENERAL	\$ 16,932.46	\$ 21,100.00
1026	MEETINGS	\$ 37.00	\$ 1,000.00
1030	EHT	\$ 4,799.70	\$ 8,980.00
1040	WSIB	\$ 8,843.92	\$ 13,123.00
1064	OMERS TOWNSHIP	\$ 26,612.50	\$ 44,172.00
1070	MILEAGE	\$ 590.80	\$ 1,500.00
1080	CONFERENCES	\$ 757.10	\$ 4,000.00
2025	OFFICE FURNITURE	\$ 2,284.39	\$ 5,000.00
2010	OFFICE SUPPLIES	\$ 5,415.32	\$ 8,000.00
2020	POSTAGE	\$ 1,981.17	\$ 6,000.00
2030	OFFICE EQUIPMENT	\$ 2,768.88	\$ 4,500.00
2035	COMPUTER PROGRAM UPDATES & IT SERVICES	\$ 14,641.91	\$ 32,500.00
2036	COMPUTERS & SERVER	\$ 25,982.83	\$ 30,500.00
2037	ESRI LICENSE AGREEMENT	\$ 2,645.76	\$ 3,100.00
2040	ADVERTISING	\$ 843.60	\$ 1,500.00
2050	AUDIT	\$ 10,684.80	\$ 24,000.00
2060	MEMBERSHIPS	\$ 4,363.39	\$ 4,000.00
2070	HEATING	\$ 1,769.36	\$ 3,700.00
2080	HYDRO	\$ 2,650.87	\$ 5,500.00
2090	TELEPHONE	\$ 1,862.32	\$ 2,500.00
2094	INTERNET	\$ 1,256.93	\$ 2,500.00
2095	WEBSITE MAINTENANCE	\$ -	\$ 500.00

GL ACCT # 5002	ADMINISTRATION EXPENDITURES EXPENDITURES (CONTINUED)	2024 As of Aug 1, 2024	2024 BUDGET
	STRATEGIC PLAN	\$ 13,134.07	\$ 30,000.00
2100	PROFESSIONAL FEES - LEGAL	\$ 1,736.28	\$ 25,000.00
2102	INTEGRITY COMMISSIONER SERVICES	\$ 92.60	\$ 3,000.00
2103	HEALTH AND SAFETY SERVICES	\$ 2,126.53	\$ 6,022.00
2107	DEVELOPMENT CHARGE STUDY	\$ 21,676.22	\$ 27,000.00
	RISK ASSESSMENT STUDY	\$ 16,922.69	\$ 17,000.00
	ASSET RETIREMENT STUDY		\$ 10,000.00
	ASSET MANAGEMENT PLAN & FINANCIAL REPORTING	\$ 25,393.69	\$ 46,300.00
2109	EMPLOYEE TOWNSHIP COMPENSATION PLAN		\$ -
2110	INSURANCE		\$ 64,000.00
2120	ELECTION		
2162	BLDG MAINTENANCE	\$ 12,315.53	\$ 6,000.00
2163	OFFICE CLEANING	\$ 915.84	\$ 3,664.00
2164	LANDSCAPING & GRASS CUTTING	\$ 223.87	\$ 300.00
2165	WATER SAMPLING	\$ 57.62	\$ 125.00
2190	OTHER/MISCELLANEOUS	\$ 1,978.27	\$ 4,000.00
2200	PETTY CASH		\$ 500.00
4030	BANK CHARGES		\$ 1,800.00
6135	GRANT TO OTHERS	\$ 955.13	\$ 3,750.00
6133	DONATION TO MARKDALE HOSPITAL (5YRS)	\$ 10,000.00	\$ 10,000.00
6136	ERSKINE CLINIC	\$ 5,000.00	\$ 5,000.00
7011	LOAN FOR MUNICIPAL EXPANSION	\$ 6,528.33	\$ 13,057.00
	TOTAL	\$ 523,776.50	\$ 919,397.00
4010	TOTAL TAX WRITE OFF EXPENDITURES	\$ 10,955.02	\$ 50,000.00
	TOTAL ADMINISTRATION EXPENDITURES	\$ 607,032.99	\$ 1,089,784.00

GL ACCT #	PROTECTION TO PERSONS/PROPERTY EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
	FIRE SERVICES		
3 6010	MULMUR MELANCTHON FD	\$ 70,144.85	\$ 152,494.00
3 6020	SHELBURNE AND DISTRICT FD	\$ 45,869.47	\$ 190,192.00
3 6030	TOWNSHIP OF SOUTHGATE FD - OPER/CAP		\$ 75,000.00
	SUB TOTAL	\$ 116,014.32	\$ 417,686.00
	POLICING		
4 3050	POLICING	\$ 262,328.15	\$ 452,154.00
4 3055	POLICING - ESO		\$ 3,408.00
4 3052	POLICING - RIDE	\$ 7,507.78	\$ 27,508.00
4 3053	POLICE SERVICES BOARD		\$ 300.00
4 2310	TASK FORCE	\$ 1,705.49	\$ 5,000.00
	SUB TOTAL	\$ 271,541.42	\$ 488,370.00
	BY LAW ENFORCEMENT		
4 6155	BY LAW ENFORCEMENT	\$ 24,632.11	\$ 32,000.00
	CONSERVATION AREA		
4 6040	NOTTAWASAGA VALLEY CA	\$ 3,967.28	\$ 14,226.00
4 6050	GRAND RIVER CA		\$ 21,790.00
	SUB TOTAL	\$ 3,967.28	\$ 36,016.00
	ANIMAL CONTROL		
13 6140	LIVESTOCK CLAIMS		\$ 4,000.00
4 6150	ANIMAL CONTROL	\$ 4,088.87	\$ 7,500.00
	SUB TOTAL	\$ 4,088.87	\$ 11,500.00
	STREET LIGHTS		
6 3025	STREET LIGHTS LED	\$ 2,981.08	\$ 5,500.00
6 3026	STREET LIGHT REPAIR	\$ 1,177.36	\$ 1,000.00
	SUB TOTAL	\$ 4,158.44	\$ 6,500.00
	TOTAL PROTECTION TO PERSONS/PROPERTY	\$ 424,402.44	\$ 992,072.00

GL ACCT # 5005	ROADWAYS EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
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SALARIES & ADMINISTRATION			
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1010	SALARIES AND WAGES	\$ 283,252.56	\$ 542,420.00
1025	RECEIVER GENERAL, EHT & WSIB	\$ 39,695.01	\$ 70,610.00
1020	BENEFITS	\$ 18,054.30	\$ 34,000.00
1065	OMERS TOWNSHIP CONTRIBUTION	\$ 24,041.09	\$ 41,670.00
1070	MILEAGE		\$ 100.00
1022	STAFF TRAINING AND SEMINARS	\$ 1,254.30	\$ 7,500.00
2010	OFFICE SUPPLIES/COMPUTOR	\$ 580.30	\$ 2,000.00
2036	GPS MONTHLY TRACKING EXPENSE	\$ 2,316.22	\$ 5,000.00
2112	ASSET MANAGEMENT PLAN SUPPORT		\$ 12,000.00
2112	ASSET MANAGEMENT PLAN UPDATE		
3105	BRIDGE STUDY/INSPECTIONS		\$ -
TOTAL		\$ 369,193.78	\$ 715,300.00

ROAD DEPARTMENT BUILDING MISC.			
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2070	UTILITIES - HEAT	\$ 7,231.01	\$ 16,000.00
2080	UTILITIES - HYDRO	\$ 4,172.57	\$ 8,200.00
2090	TELEPHONE		\$ 1,200.00
2091	MOBILE PHONE	\$ 910.69	\$ 700.00
2040	ADVERTISING		\$ 750.00
2041	SIGNS	\$ 11,008.82	\$ 6,000.00
2110	INSURANCE		\$ 92,220.00
2100	LEGAL FEES	\$ 937.37	\$ 20,000.00
2050	AUDIT		\$ 10,000.00
2060	MEMBERSHIPS	\$ 113.00	\$ 150.00
2165	MATERIALS AND SUPPLIES/STOCK	\$ 5,852.68	\$ 9,000.00
2166	COVERALLS	\$ 2,460.61	\$ 4,000.00
3000	SERVICES AND RENTS/MISC		\$ 7,500.00
2103	HEALTH & SAFETY SERVICES	\$ 2,126.53	\$ 6,022.00
2104	HEALTH & SAFETY SERVICES/SUPPLIES	\$ 159.73	\$ 1,000.00
2162	BUILDING MAINTENANCE	\$ 8,648.22	\$ 10,000.00
2163	SAND DOME REPAIRS		
2185	OIL SEPARATER	\$ 2,581.21	\$ 2,200.00
2192	SHOP TOOLS	\$ 1,253.83	\$ 5,000.00
2190	MISCELLANEOUS	\$ 2,593.58	\$ 2,000.00
3800	CONTRACT WORK		\$ 1,000.00
TOTAL		\$ 50,049.85	\$ 202,942.00

GL ACCT # 5005	ROADWAYS EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
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ROAD EQUIPMENT	
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2150	FUEL - CLEAR	\$ 31,044.09	\$ 74,000.00
2155	FUEL - DYED	\$ 30,669.39	\$ 65,000.00
3070/3072	FUEL - PATROL TRUCKS	\$ 7,473.38	\$ 20,000.00
2180	OIL - TRUCKS AND GRADER	\$ 1,381.56	\$ 5,000.00
3071	TR # 1 - REPAIRS		\$ 5,000.00
3073	TR # 2 - REPAIRS	\$ 413.02	\$ 15,000.00
3074	TR # 3 - REPAIRS	\$ 9,397.56	\$ 15,000.00
3075	TR # 4 - REPAIRS	\$ 217.82	\$ 15,000.00
3076	TR # 5 - REPAIRS	\$ 15,009.15	\$ 15,000.00
3077	TR # 6 - REPAIRS	\$ 6,453.45	\$ 15,000.00
3069	TR # 7 - REPAIRS	\$ 100.70	\$ 5,000.00
3068	TR # 8 - REPAIRS	\$ 408.96	\$ 5,000.00
3067	TR # 9 - REPAIRS	\$ 813.33	\$ 5,000.00
3079	GR#1 - CAT - REPAIRS	\$ 6,400.94	\$ 15,000.00
3080	GR#2 - REPAIRS	\$ 84,479.18	\$ 81,444.20
3065	GR#3 - REPAIRS	\$ 9,197.05	\$ 15,000.00
3081	BACKHOE REPAIRS	\$ 924.28	\$ 3,000.00
3082	LOADER		\$ 2,500.00
3083	JOHN DEERE MOWER		\$ 1,000.00
3084	POWER WASHER	\$ 289.10	\$ 3,000.00
3085	CHAIN SAW	\$ 593.77	\$ 1,000.00
3086	ROADSIDE MOWER	\$ 61.06	\$ 1,000.00
3500	WINTER CONTROL-PLOW & WING PARTS		\$ 20,000.00
7015	JOHN DEERE GRADER LOAN		
2191	RADIO AND TRUCK LICENSES	\$ 12,276.52	\$ 12,000.00
2195	RADIO MAINTENANCE & REPAIR		\$ 2,500.00
TOTAL		\$ 217,604.31	\$ 416,444.20

NEW EQUIPMENT (CAPITAL)	
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7010	VEHICLES - TRUCK		\$ 70,000.00
7005	MOWER	\$ 17,299.20	\$ 20,000.00
	GRADER		
	TRUCK - 2 TONNE DUALY PICK-UP		
	PICK-UP EQUIPMENT		
	TRACTOR WITH BLOWER BRUSHER (loan)		\$ 60,000.00
TOTAL		\$ 17,299.20	\$ 150,000.00

GL ACCT # 5005	ROADWAYS EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
BRIDGES, CULVERTS, DRAINS			
3100	BRIDGE & CULVERT MTCE		\$ 15,000.00
	BRIDGE # 7		
3111	BRIDGE # 11		
3115	BRIDGE # 13		
3116	BRIDGE #004 - CLOSURE		
3100	BRIDGE # 6 - CONSTRUCTION - WATERPROOF/PAVE		
3118	BRIDGE # 2023 ENGINEERING DESIGN	\$ 10,224.50	\$ 200,000.00
3850	DRAIN ASSESSMENTS NEW REPORTS		
3851	ROAD CROSSINGS DUE TO DRAIN MTCE		\$ 55,000.00
7021	CULVERT 2027 LOAN PAYMENT	\$ 20,453.76	\$ 40,907.00
3178	30 SIDEROAD CULVERT - EMERG. REPAIR		
3156	CULVERT 2013		
3165	CULVERT 2021		
TOTAL		\$ 30,678.26	\$ 310,907.00
ROADSIDE			
3215	GRASS MOWING & WEED SPRAYING	\$ 590.27	\$ 5,200.00
3212	PARK MAINTENANCE	\$ 3,231.34	\$ 4,000.00
3205	BRUSHING - TREE TRIM AND REMOVAL	\$ 3,646.91	
3206	DITCHING		\$ -
3322	CATCH BASINS		\$ 2,500.00
3610	GUIDE POSTS & HARDWARE		\$ 5,000.00
3315	SHOULDER MAINTENANCE		\$ 5,000.00
TOTAL		\$ 7,468.52	\$ 21,700.00
HARDTOP			
3304	PREVENTATIVE MAINTENANCE		\$ 20,000.00
3310	COLD MIX, PATCHING, ROUTINE MTCE	\$ 1,643.62	\$ 6,000.00
3320	SWEEPING, FLUSHING, CLEANING	\$ 5,088.00	\$ 5,500.00
3321	LINE PAINTING		\$ 18,000.00
TOTAL		\$ 6,731.62	\$ 49,500.00
LOOSETOP			
3125	POULTON PLACE - CORBETTON		\$ -
3750	TOWNLINES	\$ 111.94	\$ 1,000.00
3200	ROADSIDE MAINTENANCE		\$ 1,000.00
3210	GRAVEL RESURFACING	\$ 430,457.50	\$ 400,000.00
3211	GRAVEL MAINTENANCE	\$ 9,094.69	\$ 30,000.00
3410	DUST LAYER (CALCIUM CHLORIDE)	\$ 134,150.78	\$ 170,000.00
TOTAL		\$ 573,814.91	\$ 602,000.00

GL ACCT # 5005	ROADWAYS EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
	WINTER CONTROL		
3510	SAND & SALT		\$ 65,000.00
3505	SNOW REMOVAL/BLOWING		\$ 5,000.00
	TOTAL	\$ -	\$ 70,000.00
	ROAD IMPROVEMENT		
3130	2ND LINE SW/ 15 SIDE ROAD		
3139	7TH LINE SW/ 4TH LINE OS		
3138	RIVERVIEW/HUNTER PKWY		
3124	15 SR 3RD L TO CTY RD 124/GEORGE, ADDESON LLOYD ST		
3144	3RD LINE 20 SR 1.2 KM SOUTH/MILL LANE		
	15 SR MAIN ST 1 KM EAST	\$ 21,618.40	\$ 250,000.00
	GEORGE STREET ADDESON ST AND LLOYD ST		\$ 125,000.00
	260 SIDE ROAD 2ND SW TO 4TH LINE SW		
	TOTAL		\$ 375,000.00
	RESERVE		
5030	REPLACEMENT EQUIPMENT RESERVE		\$ 220,000.00
	ROAD CAPITAL RESERVES		\$ 50,000.00
	TOTAL	\$ -	\$ 270,000.00
	BUILDING IMPROVEMENTS		
7041	WORKS BUILDING ROOF REPLACEMENT		\$ -
	TOTAL		\$ -
	TOTAL ROAD EXPENDITURES	\$ 1,272,840.45	\$ 3,183,793.20

GL ACCT # 5007	ENVIRONMENTAL SERVICES EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
2171	LEVELLING		\$ 7,500.00
2105	LANDFILL STUDY/MONITORING	\$ 8,158.61	\$ 16,318.00
2190	MISCELLANEOUS		\$ 100.00
7001	REHABILITATION RESERVE		\$ 10,000.00
7010	ENVIRONMENTAL/SUSTAINABILITY		
	TOTAL	\$ 8,158.61	\$ 33,918.00

GL ACCT # 5010	RECREATION SERVICES EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
5055	CORBETTON PARK	\$ 3,515.13	\$ 2,500.00
6060	HORNING'S MILLS PARK	\$ 4,365.52	\$ 12,000.00
6065	HORNING'S MILLS COMMUNITY HALL	\$ 19,245.80	\$ 15,000.00
6063	HORNING'S MILLS HALL PARKING LOT		
6064	HORNING'S MILLS HALL BLDNG (OTF GRANT)	\$ 41,182.67	
6066	HORNING'S MILLS HERITAGE PROJECT		\$ 500.00
6070	CENTRE DUFFERIN RECREATION COMPLEX	\$ 39,952.12	\$ 60,000.00
6080	DUNDALK COMMUNITY CENTRE		\$ 16,200.00
6100	NORTH DUFFERIN COMMUNITY CENTRE		\$ 20,000.00
	HORNING'S MILLS HALL BOARD		
	HERITAGE COMMITTEE		\$ 3,500.00
	TOTAL	\$ 108,261.24	\$ 129,700.00

GL ACCT # 5016	CEMETARY EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
8902	HORNING'S MILLS CEMETERY	\$ 340.83	\$ 5,000.00
8904	ST. PAUL'S CEMETERY		
	TOTAL	\$ 340.83	\$ 5,000.00

GL ACCT # 5011	LIBRARY EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
6110	SHELBURNE LIBRARY	\$ 43,842.00	\$ 60,000.00
6120	DUNDALK LIBRARY		\$ 9,490.00
	TOTAL	\$ 43,842.00	\$ 69,490.00

GL ACCT # 5012	PLANNING SERVICES EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
2100	PROFESSIONAL/LEGAL FEES	\$ 11,528.99	\$ 60,000.00
2018	OFFICIAL PLAN		\$ 50,000.00
2109	NEW ZONING BY-LAW		\$ 75,000.00
2101	LPAT/OLT APPEALS		
2102	LPAT/OLT APPEALS RESERVES		\$ 15,000.00
2304	STRADA OPA/ZBA		
	TOTAL	\$ 11,528.99	\$ 200,000.00

GL ACCT # 5009	DRAINAGE EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
3060	DRAINAGE SUPERINTENDENT	\$ 9,792.87	\$ 50,000.00
3070	NUISANCE BEAVER & BEAVER DAM REMOVAL	\$ 4,849.74	\$ 5,000.00
	TOTAL	\$ 14,642.61	\$ 55,000.00

GL ACCT # 5002	RESERVES EXPENDITURES	2024 As of Aug 1, 2024	2024 BUDGET
	COVID - SAFE RESTART		\$ -
5042	SPECIAL RESERVE FUND EMERGENCY RELIEF		
	TOTAL	\$ -	\$ -

TOTAL EXPENITURER		\$ 2,491,050.16	\$ 5,758,757.20
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GL ACCT #	TAXATION REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
4001 0700	SUPPLEMENTAL TAXES		\$ 90,000.00
4003 0100	PAYMENT IN LIEU	\$ 503.85	\$ 2,050.00
	TOTAL TAXATION REVENUE	\$ 503.85	\$ 92,050.00

GL ACCT # 4004	GRANT REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
150	OMPF	\$ 84,450.00	\$ 168,900.00
300	RIDE GRANT	\$ 6,600.00	\$ 7,508.00
172	COURT SECURITY & PRISONER TRANSPORT		\$ 730.00
500	LIBRARY GRANT	\$ 4,452.00	\$ 4,452.00
156	OCIF FUNDING (FORMULA COMPONENT)	\$ 100,000.00	\$ 100,000.00
159	SAFE RESTART AGREEMENT (COVID)		
700	ONTARIO AGGREGATE LIC. FEE		\$ 100,000.00
100	DRAINAGE SUPERINTENDENT		\$ 25,000.00
	TOTAL GRANT REVENUE	\$ 195,502.00	\$ 406,590.00

GL ACCT # 4010	ADMINISTRATION REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
100	TAX CERTIFICATES	\$ 1,480.00	\$ 2,500.00
110	TAX STATEMENT/DUPLICATE TAX BILLS	\$ 350.00	\$ 500.00
115	REMINDER/OVERDUE NOTICE FEE	\$ 1,472.00	\$ 3,000.00
200	BUILDING PERMIT APPROVAL	\$ 2,800.00	\$ 5,500.00
250	SITE ALTERATION PERMIT APPROVAL		\$ 500.00
300	NSF CHEQUE CHARGE	\$ 35.00	\$ 200.00
4015 0100	DOG LICENCES	\$ 9,567.39	\$ 10,000.00
4066 0000	LOTTERY LICENSES		\$ 20.00
4040 0100	LIVESTOCK CLAIM GRANTS		\$ 3,000.00
4064 0000	BUSINESS LICENSES		
	ALTERATION BY-LAW TO TAXES (NEW)	\$ 5,596.05	
	TAX SALE PROCEEDS (2024)	\$ 68,444.20	\$ 68,444.20
	TOTAL ADMINISTRATION REVENUE	\$ 89,744.64	\$ 93,664.20

GL ACCT # 4012	FIRE REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
100	FIRE REVENUE	\$ 2,762.50	\$ 2,000.00
300	FIRE PERMIT	\$ 3,150.00	\$ 3,500.00
	TOTAL FIRE REVENUE	\$ 5,912.50	\$ 5,500.00

GL ACCT # 4020	ROAD REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
110	ROADS MISC REVENUE		\$ 750.00
115	ROAD OCCUPANCY PERMITS	\$ 7,000.00	\$ 9,500.00
125	ENTRANCE PERMITS	\$ 3,400.00	\$ 4,000.00
130	WIDE LOAD PERMITS	\$ 200.00	\$ 1,000.00
200	CULVERTS		
140	BRETTON ESTATES SNOW PLOWING		
500	SHELBURNE ROAD AGREEMENT		\$ 6,887.00
	TRANSFER FROM RESERVES		
703	TRFR FROM GAS TAX		\$ 100,000.00
704	TRFR FROM ROAD CAPITAL RESERVE		
702	TRFR FROM EQUIPMENT RESERVE - TRUCK		\$ 120,000.00
0	TRFR FROM WORKING CAPITAL RESERVE		
	TRFR FROM PAVING RESERVE		
	TRFR DEV CHG (GRADER)		
	TRFR DEV CHG (PAVING)(DC STUDY)		\$ 27,000.00
	TAX STABILIZATION		\$ 217,000.00
	TRFR PARK PAVILLION		
	TRFR MMAH		\$ 16,000.00
	TRFR WORKING		\$ 200,000.00
	TRFR WORKING		\$ 200,000.00
	TOTAL ROADS REVENUE	\$ 10,600.00	\$ 902,137.00

GL ACCT # 4035	PLANNING REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
100	OFFICIAL PLAN APPLICATION	\$ 5,000.00	
310	SITE PLAN APPLICATION FEES	\$ 500.00	\$ 750.00
320	SUBDIVISION AGREEMENT FEE	\$ 10,000.00	
350	ZONING BY-LAW AMENDMENT	\$ 11,000.00	\$ 3,000.00
300	CONSENT APPLICATIONS		\$ 8,000.00
325	MINOR VARIANCE	\$ 2,000.00	\$ 2,000.00
200	ZONING REQUESTS	\$ 1,800.00	\$ 1,200.00
360	CHANGE OF USE CERTIFICATE APPLICATION	\$ 1,000.00	\$ 2,500.00
370	TELECOMMUNICATION FACILITES APPLICATION		
375	PRE-APPLICATION CONSULTATION	\$ 5,000.00	\$ 10,000.00
500	PROFESSIONAL SERVICES REIMBURSEMENT		\$ 30,000.00
	TRFR FROM DEV CHG (OFFICIAL PLAN)		
	TOTAL PLANNING REVENUE	\$ 36,300.00	\$ 57,450.00

GL ACCT # 4050	OTHER REVENUE	2024 As of Aug 1, 2024	2024 BUDGET
100	MISCELLANEOUS REVENUE	\$ 9,679.37	\$ 600.00
	MISCELLANEOUS REVENUE WASTE (SYNAPSE)	\$ 9,200.00	
125	CHD COMMUNITY CONTRIBUTION	\$ 45,000.00	\$ 309,000.00
130	PLATEAU COMMUNITY CONTRIBUTION	\$ 37,998.30	\$ 35,000.00
135	DWP COMMUNITY CONTRIBUTION		\$ 264,000.00
4015 0400	BY-LAW INFRACTION TO TAXES		\$ 6,000.00
200	PENALTIES AND INTEREST ON TAXES	\$ 74,417.59	\$ 105,000.00
300	INTEREST ON DEPOSITS	\$ 84,013.22	\$ 100,000.00
400	POA	\$ 18,580.47	\$ 50,000.00
4077 0000	LAND RENTAL		\$ 2,550.00
4050 0460	TRFR FROM MMAH-2019 FOR COUNCIL HYBRID		
	TRFR FROM EMERGENCY RELIEF FUND		\$ 25,000.00
4050 0460	TRFR FROM TAX STABILIZATION (LEGALS OVERAGE)		
	TRFR FROM DC CHARGES OPP		
	HORNINGS MILLS OTF PROJECT	\$ 6,200.00	
TOTAL OTHER REVENUE		\$ 285,088.95	\$ 897,150.00
TOTAL REVENUE		\$ 623,651.94	\$ 2,454,541.20
TOTAL EXPENDITURES		\$ 2,491,050.16	\$ 5,758,757.20
		\$ 1,867,398.22	\$ 3,304,216.00

Denise Holmes

From: Jasmine Panesar <jpanesar@dufferincounty.ca>
Sent: Monday, July 22, 2024 9:49 AM
To: Denise Holmes
Subject: Explore Dufferin Investors Tour

Good morning, Denise,

I hope you had a great weekend!

I wanted to send some information about the **Explore Dufferin Investors Tour**. You may recall my email a few weeks ago trying to set up a meeting time with all the municipalities, but since times were not working out, I am reaching out individually.

The **Explore Dufferin Investors Tour** is scheduled **for Wednesday, September 25**, and aims to attract investment to Dufferin County, with a particular focus on the accommodations sector.

Event Schedule:

- Networking Breakfast: 8:00 AM - 10:00 AM
- Fam Tour: 10:00 AM - 6:00 PM
- Networking Reception: 6:30 PM - 9:30 PM

While the locations are still being finalized, each segment of the event will have separate registration links for investors and developers to sign up. We would love to see participation from all the municipalities at the Networking Breakfast. We encourage each municipality to set up a table with information about their communities to engage with attendees and answer questions. Bringing along some marketing materials would also be beneficial.

Networking Breakfast Highlights:

- Presentations from County staff on investment opportunities and processes in Dufferin County.
- Exclusive premiere of Dufferin County's new promotional video, showcasing our stunning landscape and testimonials from business owners.
- Networking opportunities to connect with attendees, municipal staff, organizations, and County representatives.

If you are interested in attending or have any questions, please let me know!

Warm regards,

Jasmine Panesar, Economic Development Officer
Development & Tourism | County of Dufferin

Tel: 519-941-2816 ext. 2512 | Cell: 519-940-1663 | jpanesar@dufferincounty.ca |
30 Centre Street, Orangeville, ON L9W 2X1

DufferinCounty.ca | JoininDufferin | ExploreDufferinCounty.ca | DufferinMuseum.com

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Denise Holmes

From: Tracey Atkinson <tatkinson@mulmur.ca>
Sent: Tuesday, August 6, 2024 10:34 AM
To: Denise Holmes
Subject: RE: NDCC Agreement - Renewal

Hello Denise,

Thank you for providing an update from Melancthon Council's regarding the NDCC agreement. I will include your letter in our September 4th closed Council Agenda package.

I understand that Melancthon Council would consider capital costs individually. Given the timing of the ice floor replacement and that the agreement has historically contained an operational and capital component, would Melancthon be able to share what they are able to commit to contribute to the ice floor replacement so that I can include that in the Mulmur closed session agenda package?

Thank you in advance.

Sincerely,

Tracey Atkinson, BES MCIP RPP Dipl M.M. | CAO | Clerk | Planner
Township of Mulmur | 758070 2nd Line E Mulmur, ON L9V 0G8
Phone 705-466-3341 ext. 222 | Fax 705-466-2922 | tatkinson@mulmur.ca

[Join our email list](#) to receive important information and keep up to date on the latest Township news.

From: Denise Holmes <dholmes@melancthontownship.ca>
Sent: Friday, July 19, 2024 4:23 PM
To: Tracey Atkinson <tatkinson@mulmur.ca>
Subject: NDCC Agreement - Renewal

Hi Tracey,

Please see attached letter.

Thank you.

Kind regards,
Denise Holmes



Denise B. Holmes, AMCT | Chief Administrative Officer/Clerk | Township of Melancthon | dholmes@melancthontownship.ca | PH: 519-925-5525 ext 101 | FX: 519-925-1110 | www.melancthontownship.ca |

The Administration Office will be open to the public Monday to Friday from 8:30 a.m. to 12:00 p.m. and 1:00 p.m. to 4:30 p.m. There will be no public access between 12:00 p.m. to 1:00 p.m. as the Office will be closed.

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Denise Holmes

From: Denise Holmes
Sent: Wednesday, July 10, 2024 9:40 AM
To: Denise Holmes
Subject: County of Dufferin Economic Development Strategy

From: Yaw Ennin <yennin@dufferincounty.ca>
Sent: Tuesday, July 9, 2024 8:41 PM
To: Denise Holmes <dholmes@melancthontownship.ca>
Subject: RE: Follow up

Hi Denise,

Thanks for the follow up. To confirm, I was hoping you would be able to pose a couple of questions to your Council and provide a summary of their responses. The questions are as follows:

1. What does a successful and thriving Melancthon look like in 10 years?
2. What are the tangible and intangible assets in our community that can leveraged?
3. What needs to be in place to achieve this 10-year vision?
 - Which of these would need to be prioritized (3-5 maximum)

Happy to provide further clarification if needed.

Regards,

Yaw Ennin, Manager | Economic Development | County of Dufferin

Phone: 519-942-7131 | yennin@dufferincounty.ca | 30 Centre Street, Orangeville, ON L9W 2X1

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