

**AGENDA**

**Tuesday September 26, 2023, 6:00 pm**

**Royal Canadian Legion, Branch 403  
1169 West Shore Road  
Pelee Island, ON, N0R 1M0**

**1. Call to Order**

*Chair to call the Meeting to order as soon after the hour fixed for the meeting as a quorum is present. Stating meeting type, date and time.*

**2. Amendments to the Agenda**

*Any changes, additions or deletions from the agenda shall be mentioned at this time.*

**3. Disclosure of Pecuniary Interest**

*It is the responsibility of each Member at a Meeting to identify any conflict of interest/pecuniary interest, as set out in the Municipal Conflict of Interest Act, in any matter that is the subject of consideration at the Meeting.*

**4. Confirmation of Previous Minutes**

*Confirmation of the previous minutes of council. Motion shall be made to approve Minutes.*

A. Special Meeting of Council – August 21, 2023.

B. Regular Meeting of Council – August 22, 2023.

**5. Delegations**

*A list of registered delegates is provided to Council in advance of the meeting. If the delegate is unable to attend the meeting in person a review of the written submission can be made by Council in their absence at the scheduled meeting.*

**6. Matters Subject to Notice**

*Items such as Official Plan and Zoning By-Law amendments, Court of Revision, etc.*

**A. Court of Revision – Curry Marsh Drain Mc Clure bridge**

- i. Drainage Superintendent Eric Chamberlain report 2023-56 EC  
Curry Marsh Drain, Mc Clure bridge – Second Court of Revision**

**7. Closed Session**

*List of any items to be discussed in Closed Session, including general item and section of Municipal Act approving the discussion.*

***Deputy Mayor Malloch requests that Council meet in closed session at the end of the regular order of business to discuss a matter related to the disposition of land owned by the municipality.***

## **8. Consent Agenda**

*Items listed in the “Consent Agenda” may include Staff information reports which do not require a decision, Staff reports with recommendations which are considered minor or non-controversial, minutes of committees, adoption of accounts, and/or communications.*

*If a Member wishes to speak to an item on the Consent Agenda, or wishes to amend a recommendation of any item(s) on the Consent Agenda, the Member shall request the item(s) be removed for subsequent consideration.*

- A. Town of Grimsby resolution re: Livable Income**
- B. Town of Bracebridge re: changes to MFIPPA**
- C. Ministry of Municipal Affairs and Housing re: Building Faster Fund**
- D. Township of Severn re: Climate Emergency Just Transition Fund**
- E. City of Hamilton re: Greenbelt Development**
- F. Township of Matachewan re: Safe and Respectful Workplace**
- G. National Chronic Pain Society re: OHIP coverage for chronic pain**
- H. Ministry of Natural Resources - changes to Oil, Gas & Salt Resource Act**
- I. Prince Edward County re: Provincial Policy Statement**
- J. OPP re: Revenue from Policing Record Checks**
- K. Municipality of St Charles re: Homelessness**
- L. Township of Selwyn re: Short Term Rentals**
- M. OSTC/MTO minutes – August 23, 2023**
- N. Disbursements**
- O. ERCA – Water Quality and Kingsville Leamington Nutrient Project**
- P. Pelee Island Public School re: Annual Pheasant Hunt Raffle request for donation**

## **9. Reports**

*Items that require a decision and/or may be cause for debate to some extent.*

- A. Interim Clerk - Mary Masse**
  - i. Report No. 2023 – 57 MM- Revised Harassment Policy
- B. Drainage Superintendent – Eric Chamberlain**
  - i. Report NO 2023-58 EC – Wiper – East West Road Drains illegal culvert
  - ii. Report No. 2023-59 EC – Request from Trent University to use drainage layer
  - iii. Report No. 2023-60 EC and MF – August 24, 2023 rain event

## **10. Notices of Motion**

*Notices of Motion shall be given in writing to the Clerk not later than 7 days prior to the next regular meeting so that the matter may be included in the Council agenda package for consideration and debate at the upcoming Council meeting.*

*Notices of Motion introduced during a Meeting will be read out to the Members, and recorded in the Minutes, but will be placed on the agenda for the next Meeting unless time sensitive or in an emergency.*

## **11. Recognitions and Announcements**

*Opportunity for any Township or community recognitions or announcements to be made.*

**12. By-Laws**

*No By-Law, except a By-Law to confirm the proceedings of Council, shall be presented to Council unless the subject matter thereof has been considered and approved by Council.*

- A. By-law 2023-64 – Regulating hunting for the 2023-2024 season**
- B. By-law 2023-65 - Being a by-law to confirm the proceedings of Council for September 26, 2023**

**13. Adjournment**

*Council move into closed session at \_\_\_\_\_ p.m.*

*Chair shall adjourn Meeting after Council rises from Closed session*



THE CORPORATION OF THE  
*Township Of Pelee*  
SPECIAL MEETING OF COUNCIL

**MINUTES**

**Monday August 21, 2023  
5:00 PM**

**Electronic Meeting  
Via Zoom**

Members of Council: Mayor Cathy Miller  
Deputy Mayor Dayne Malloch  
Councillor Dave DeLellis  
Councillor Stephanie Briggs-Crawford  
Councillor Michelle Taylor

Members of Administration: Interim Clerk Mary Masee  
Treasurer Michelle Feltz

Others Present: Ethan McCarthy, Osler Law

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**1. CALL TO ORDER**

Mayor Cathy Miller called the Meeting to order at 5:02 p.m.

**2. AMENDMENTS TO THE AGENDA**

There were no amendments to the agenda.

**3. DISCLOSURE OF PECUNIARY INTEREST**

There were no disclosures of interest.

**4. MATTERS SUBJECT TO NOTICE**

**5. REPORTS**

**6. NOTICE OF MOTIONS**

**7. RECOGNITIONS AND ANNOUNCEMENTS**

**8. CLOSED SESSION**

**Resolution 2023-185**

**Moved by: Councillor Stephanie Brigg-Crawford**

**Seconded by: Councillor Michelle Taylor**

Be it Resolved that the Council of the Township of Pelee, pursuant to Section 239(2) of the *Municipal Act, 2001*, at 5:02 p.m. enter into Closed Session to address the following items:

**A. Broadband Fibre Project**

- ii. 239 (2) (f) Advice subject to solicitor-client privilege**
- iii. 239 (2) (i) information supplied in confidence by a third party**

**CARRIED**

**Resolution 2023-186**

**Moved by: Councillor Dave DeLellis**

**Seconded by: Councillor Stephanie Briggs-Crawford**

“Be it resolved that the Council of the Township of Pelee rise from closed and reconvene in open session at 6:20 p.m.”

**CARRIED**

**9. BY-LAWS**

**10. ADJOURNMENT**

The Special Meeting of Council adjourned at 6:20 p.m.

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**Catherine Miller,  
Mayor**

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**Mary Masse  
Interim Clerk**

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 12, 2023

Resolution 2023 –	
Moved by:	Seconded by:

“Be it resolved that the Council of the Corporation of the Township of Pelee hereby confirm the Special Council minutes of August 21, 2023.”

	RESOLUTION RESULT	RECORDED VOTE	
	CARRIED		YES NO
	DEFEATED		
	DEFERRED		
	REFERRED		
	PECUNIARY INTEREST DECLARED		
	RECORDED VOTE (SEE RIGHT)		
	WITHDRAWN		
MAYOR – CATHERINE MILLER		INTERIM CLERK-MARY MASSE	

<p>The above is a certified to be true copy of resolution number 2023 –</p> <p>Mary Masse          Interim Clerk</p>
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## MINUTES

**TUESDAY, August 22, 2023  
6:00 PM**

**Royal Canadian Legion, Branch 403  
1169 West Shore Road  
Pelee Island, ON, N0R 1M0**

Members of Council: Mayor Cathy Miller  
Deputy Mayor Dayne Malloch  
Councillor Dave De Lellis  
Councillor Michelle Taylor

Members of Administration: Interim Clerk Mary Masse  
Treasurer Michelle Feltz

Others Present: Drainage Superintendent, Eric Chamberlain  
By-law Enforcement Officer Bill Tetler  
Gerard Rood, Rood Engineering (virtual)  
Members of the Public

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### 1. CALL TO ORDER

Mayor Cathy Miller called the Meeting to order at 6:00 p.m.

### 2. AMENDMENTS TO THE AGENDA

#### **Resolution 2023-187**

**Moved by: Deputy Mayor Dayne Malloch**

**Seconded by : Councillor Michelle Taylor**

**That Council add report item 9a) ii) and By-law items 12 b) and c) to the agenda and move item 6) Matters subject to notice court of revision ahead of item 5) delegations for the August 22, 2023 agenda**

**-CARRIED-**

### 3. DISCLOSURE OF PECUNIARY INTEREST

There were no disclosures of interest noted at this time

#### 4. CONFIRMATION OF PREVIOUS MINUTES

A. Regular Meeting Minutes of August 8, 2023

##### **Resolution 2023 –188**

**Moved By:** Deputy Mayor Dayne Malloch

**Seconded By:** Councillor Deve De Lellis

**That the August 8, 2023 Regular Meeting of Council Minutes BE ADOPTED.**

**CARRIED**

#### 5. DELEGATIONS

A. Public Comments re: Ferry Services

Mayor Miller advised that Council is seeking feedback from residents regarding ferry services to Pelee Island in particular any ongoing challenges associated with deck space for large vehicles and or farm equipment as well as any challenges associated with securing vehicle space on the ferry . The Mayor further noted that the comments will be shared with the Minister of Transportation and the Owen Sound Transportation Company for further follow up.

Dean Martin – Harrow Organic Farms Ltd

Relies heavily on the ferry in the spring and fall, expressed concern if the Pelee Islander II is not operational, refers to no notice given in the spring of 2023 when inspection was done in dry dock, needs to know there will be a ferry available for the farming seasons. There is a need for a second ferry to handle large equipment and vehicles, current MV Islander not suitable to accommodate the needs of the Island.

Patricia Fell , Stone and Sky

Expressed concern with communications for reservations and method of payment for the ferry with OSTC . Also expressed concern that a video prepared for Stone and Sky was to be played along with the safety video and has not yet been displayed although it received approval from the Ministry.

Debra Robertson – resident

Ms Robertson advised that maintaining the schedule to and from Ohio is crucial however noted the current schedule does not accommodate residents who may want to visit over a weekend.

Melissa Wiper - resident

Need to ensure Pelee Islander II starts in the spring along with the MV Pelee Islander



Sarita Vandernaalt – resident

Difficult to secure a reservation for vehicles for Thursday to Tuesday , schedule does not accommodate a Friday to Sunday weekend visit.

The two day option in March does not allow enough time to bring supplies to the Island and advised of additional personal expenses experienced due to the delay in running the Pelee Islander II in the spring of 2023.

Dave DeLellis – Councillor

The decreased size of the deck space in the Pelee Islander II does not accommodate large trucks, difficult for passengers to get in and out of vehicles.

B. Michael Chesler re: Commercial use of residential properties

Mr. Chesler expressed concerns with the number of properties being rented out through the short term rental portals and further expressed safety concerns to visitors who may be unaware of the risks associated with swimming in Lake Erie. . Mr. Chesler added that many regions are banning short term rentals and noted the addition of bed and breakfast rentals would be a welcome addition to the Island.

Council suggested that they would be interested in receiving a report on what other communities are doing in relation to short term rentals (STR's) along with information related to the advantages and disadvantages of licensing STR's

**Resolution 2023-189**

**Moved by Councillor Michelle Taylor**

**Seconded by Councillor Dave DeLellis**

**That Council direct administration to prepare a report to Council regarding a licensing regime for short term rentals and that the said report include information regarding the advantages and disadvantages of licensing.**

**-CARRIED-**

**6. MATTERS SUBJECT TO NOTICE**

A. Court of Revision – Curry Marsh Drain Mc Clure bridge

Drainage Superintendent Eric Chamberlain report 2023-52 EC Curry Marsh Drain, Mc Clure bridge

**Resolution 2023-190**

**Moved by Councillor Dave DeLellis**

**Seconded by : Councillor Michelle Taylor**

**That Council open the Court of Revision to consider any assessment appeals raised by the landowners for the Curry Marsh Drain Mc Clure bridge and that Councillors DeLellis and Taylor and Mayor Miller be appointed to the court.**

**-CARRIED-**

Drainage Superintendent Chamberlain reviewed the assessment schedule and noted that an incorrect schedule was provided with the agenda. Mr. Chamberlain advised that one appeal was received regarding the size of the culvert.

Gerard Rood of Rood Engineering advised that a cost effective solution was provided for the drainage project and the standard requirements for a fifty two inch total width for the bridge was utilized. Mr. Rood advised that a further update to the watershed area is necessary and the addendum dated August 8, 2023 will need to be considered at a future court of revision scheduled for September 26, 2023.

The members of the court did not have any questions.

The appellant Mr. Craig Ryerse indicated that fifty percent of his water flows to the east and questioned whether the bridge size included in the report is meant to accommodate a combine.

Engineer Rood responded that the minimum standard for the top width of a bridge is 6.1 metres or twenty feet for land, no additional top width was requested or included in the report for the subject bridge.

In response to the flow of water raised by the appellant the Drainage Superintendent advised that a further review of the culvert at Henderson Road that ties to the Wiper Drain will need to be undertaken and a further report will be provided to Council .

Further discussion regarding the drainage in the area of the subject drain took place. The Engineer recommended that the appeal be denied and confirmed that the recommended bridge work will replace what is currently in existence at the Mc Clure property.

**Resolution 2023-191**

**Moved by Councillor Dave DeLellis**

**Seconded by: Councillor Michelle Taylor**

1. That the appeal received from Craig and Sondi Ryersee be denied
2. The court of revision be adjourned ; and
3. The 2<sup>nd</sup> sitting of the Court of Revision be scheduled for September 26, 2023 to allow fur further revisions to the Schedule of Assessment for the Curry Marsh Drain McClure Bridge.

**-CARRIED-**

## **7. CONSENT AGENDA**

- A. Chatham-Kent – OBCM sustainable infrastructure
- B. Town of Amherstburg – resolution re: Violence against Women
- C. City of Cambridge – resolution re: amendment to the Highway Traffic Act
- D. City of Hamilton re: Greenbelt
- E. Ministry of Infrastucture re: Red Tape reduction for designated broadband projects
- F. Municipality of Powassan resolution re: improve Municipal Codes of Conduct and Enforcement
- G. Township of Emo resolution re: Black Ash Trees
- H. Disbursements – August 16, 2023
- I. OSTC/MTO minutes – August 9, 2023
- J. Prince Edward County re: New Provincial Policy Statement

The Mayor requested that item 7e) be sent to Barry Fields the consultant with Zone Five Consulting in relation to the Fibre Optic project for Pelee Island.

### **Resolution 2023 –192**

**Moved By: Councillor Dave DeLellis**

**Seconded By: Deputy Mayor Dayne Malloch**

**That Consent Agenda items 8. A. to 8.J. BE RECEIVED.**

**CARRIED**

## **9. REPORTS**

### **A. Interim Clerk**

- i. Report No. 2023 – 53 MM- Committee appointment to fill vacancy

### **Resolution 2023-193**

**Moved by Councillor Dave DeLellis**

**Seconded by : Deputy Mayor Dayne Malloch**

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**That:**

- 1. Michelle Taylor BE APPOINTED as the Council member representative of the Destination Development Committee for the 2022 – 2026 term of Council;**
- 2. Michelle Taylor BE APPOINTED as the Council member representative of the Drainage Committee for the 2022 – 2026 term of Council;**
- 3. Michelle Taylor BE APPOINTED as the Council member representative of the Hunting and Fishing Committee for the 2022 – 2026 term of Council; and**
- 4. Stephanie Crawford BE APPOINTED as Chair of the Hunting and Fishing Committee for the 2022 – 2026 term of Council.**

**-CARRIED-**

- ii. Report No. 2023-56 MM – Agreement for Pelee Island Remote Community Broadband Network Project

**Resolution 2023-194**

**Moved by : Councillor Michelle Taylor**

**Seconded by: Deputy Mayor Dayne Malloch**

**That the Mayor and Clerk BE AUTHORIZED to execute agreements with North Frontenac Telephone Corporation Ltd (NFTC) and International Telecom Canada Inc (IT) for the provision of Fibre Optic services and cable system**

**-CARRIED-**

**B. Treasurer – Michelle Feltz**

- ii. Report NO 2023- 54 MF - Financial Summary July 31, 2023

**Resolution 2023 –195**

**Moved by: Councillor Dave DeLellis**

**Seconded by: Deputy Mayor Dayne Malloch**

**That the report from the Treasurer date August 16, 2023 regarding the financial summary revenue report at July 31, 2023 BE RECEIVED as information**

**-CARRIED-**

ii. Report No. 2023- 55 MF – Tourism Development Fund

**Resolution 2023-196**

**Moved By: Deputy Mayor Daye Malloch**

**Seconded By: Councillor Dave DeLellis**

**That:**

- 1. The report from the Treasurer dated August 17, 2023 regarding the Funding Advisory Committee grant recommendation BE RECEIVED; and**
- 2. That Administration BE DIRECTED to submit an application to Ministry of Tourism, Culture and Sport for the Tourism Development Fund 2023.”**

**-CARRIED-**

## **10. NOTICES OF MOTION**

## **11. RECOGNITIONS AND ANNOUNCEMENTS**

The Mayor acknowledged the Pelee team involved in the development of the Pelee Island Fibre Optic agreements in particular Councillor DeLellis who has been involved since the beginning to secure the asset for the Island.

## **12. BY-LAWS**

By-Law 2023 –61; Being a By-Law to confirm the proceedings of Council.

**Resolution 2023 - 197**

**Moved By: Councillor Michelle Taylor**

**Seconded By: Councillor Dave DeLellis**

**That By-law 2023-61 being a By-Law to confirm the proceedings of Council for August 22, 2023 be read a first, second and third time and finally adopted this 22nd day of August, 2023**

**CARRIED**

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By-law 2023-62; Being a by-law to authorize the Mayor and Clerk to sign agreements

**Resolution 2023-198**

**Moved by: Deputy Mayor Dayne Malloch**

**Seconded by: Councillor Dave DeLellis**

**That the Council of the Corporation of the Township of Pelee hereby adopts by-law 2023-62 to authorize the Mayor and Interim Clerk to enter into an agreement with NFTC for the Pelee Island Fibre Project**

**-CARRIED-**

By-law 2023-63; Being a by-law to authorize the Mayor and Clerk to sign agreements.

**Resolution 2023-199**

**Moved by: Councillor Michelle Taylor**

**Seconded by: Deputy Mayor Dayne Malloch**

**That the Council of the Corporation of the Township of Pelee hereby adopts By-law 2023-63; Being a By-law to authorize the Mayor and Interim Clerk to enter into a design build contract agreement with IT for the Pelee Island Fibre Optic Cable System**

**-CARRIED-**

**13. CLOSED SESSION AND ADJOURNMENT**

The Mayor adjourned the regular meeting of Council at 7:23 PM

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**Catherine Miller,  
Mayor**

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**Mary Masse, Interim  
Clerk**

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 12, 2023

Resolution 2023 –	
Moved by:	Seconded by:

“Be it resolved that the Council of the Corporation of the Township of Pelee hereby confirm the Regular Council minutes of August 22, 2023.”

RESOLUTION RESULT	RECORDED VOTE		
		YES	NO
CARRIED			
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK-MARY MASSE	

<p>The above is a certified to be true copy of resolution number 2023 –</p> <p>Mary Masse          Interim Clerk</p>
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THE CORPORATION OF THE  
*Township Of Pelee*

September 5, 2023

**SUBJECT: Curry Marsh Drain – McClure Bridge  
Second Sitting of Court of Revision**

Dear Sir / Madam:

Pursuant to Section 46 (1) of the Drainage Act 1990, please find enclosed a copy of **By-law No. 2023-55** exclusive of the Engineer's Report provisionally adopted by the Council of the Township of Pelee at a meeting held on July 25, 2023.

A meeting is scheduled for the second sitting of Court of Revision on:

**DATE: September 26, 2023**  
**TIME: 6:00 p.m.**  
**PLACE: Royal Canadian Legion Br 403  
1169 West Shore Road**

An owner of land assessed for the drainage works may appeal to the Court of Revision on any of the following grounds:

- Any land or road has been assessed an amount that is too high or too low;
- Any land or road that should have been assessed has not been assessed; and/or
- Due consideration has not been given to the use being made of the land.

**All notices of appeal shall be given in writing to Mary Masse, Interim Clerk of the Township of Pelee at least ten (10) days prior to the first sitting of the court and shall state the grounds of appeal.** The last day for filing a notice is Friday, September 15, 2023 which is ten days prior to the first sitting of the Court of Revision. An appeal form is attached.

In addition to the appeal to the Court of Revision, landowners not satisfied with Council's decision to proceed with the Curry Marsh Drain – McClure Bridge Improvement project can appeal to the Drainage Tribunal under section 48 (1) of the Drainage Act. The form entitled "Notice of Appeal to Tribunal by Owner of Land or Public Utility Re: Engineer's Report" is attached. **All notices of appeal shall be given in writing to Mary Masse, Interim Clerk of the Township of Pelee by September 11, 2023.**



If you have any questions, please feel free to contact the undersigned at (519) 736-3664 ext 2312.

Sincerely,

A handwritten signature in blue ink, appearing to read 'E. Chamberlain'.

Eric Chamberlain  
Drainage Superintendent

EC

Enclosure

Bylaw 2023-55

Revised Schedule of Assessment and Watershed Plan – Rood Engineering – Dated August 31, 2023

Notice of Appeal to Tribunal by Owner of Land or Public Utility

Notice of Appeal to Court of Revision



THE CORPORATION OF THE  
*Township Of Pelee*  
THE CORPORATION OF THE TOWNSHIP OF PELEE  
REPORT

<b>Author's Name: Eric Chamberlain</b>	<b>Report Date: September 20, 2023</b>
<b>Resolution #:</b>	<b>Date to Council: September 26, 2023</b>

**To: Mayor and Members of Council**

**Subject: 2nd Court of Revision for the Curry Marsh Drain – McClure Bridge**

**1. RECOMMENDATION:**

It is recommended that:

1. The report from the Drainage Superintendent dated September 20, 2023 regarding the engineer's report for the 2<sup>nd</sup> Court of Revision for the Curry Marsh Drain McClure Bridge **BE RECEIVED**;
2. The revised schedule of assessment and watershed plan dated August 31, 20223 prepared by Rood Engineering Inc. **BE PRESENTED** to the Court of Revision and landowners to deal with concerns raised by the landowners;
3. The Court of Revision **BE HELD** to consider any assessment appeals raised by the landowners for the Curry Marsh Drain McClure Bridge;
4. The schedules of assessment **BE ADOPTED** subject to any alterations by the Court of Revision provided by the appointed engineer for the Curry Marsh Drain – McClure Bridge as prepared by Rood Engineering Inc. dated August 31, 2023.
5. The Court of Revision be closed

**2. BACKGROUND:**

The Court of Revision provides landowners with the ability to appeal their assessments under the following sections of Drainage Act:

- Section 52(1) for the construction or improvement of a drain;
  - My/our land has been assessed too high;
  - My/our land has been assessed too low;

- Other land or road has been assessed too high;
- Other land or road has been assessed too low;
- Other land or road that should have been assessed has not been assessed;
- Due consideration has not been given as to type of use of land.

### 3. DISCUSSION:

The landowners assessed for the Curry Marsh Drain McClure Bridge were provided the form for appeal to the Court of Revision. The Court of Revision should hear and decide on each individual appeal submitted. The Court of Revision can accept or deny the appeal as presented by the appellants.

The Court of Revision will have the following options to resolve appeals related to landowners' assessments:

1. The changes being accepted are minor, the Court of Revision can have the adjusted amount applied to the Road's assessment to the project. This will save cost in engineering.
2. **If there are major changes, the Court of Revision will need to adjourn the meeting and allow the engineer to review and revise the schedule of assessment. Administration will have to circulate the revised schedule of assessment and hold a second sitting of the Court of Revision to allow landowners to appeal their assessment.**
3. Make no revisions due no appeals received or all appeals were heard and denied, the Court of Revision adopts the schedule of assessment as submitted by the drainage engineer.

The last day for filing an appeal was September 16, 2023 which is 10 days prior to the sitting of the Court of Revision. To date, the Township Clerk confirmed there have been only one appeal received by the Township office. Mr. and Mrs. Ryersee have submitted a second appeal to the Court of Revision dated September 20, 2023 which has been provided as an attachment. In addition to the Mr. and Mrs. Ryersee appeal to the Court of Revision, they have submitted an appeal to the Ontario Drainage Tribunal. The Court of Revision must hear and rule on the appeal to the Court of Revision.

The access bridge serving the McClure property is in poor condition and requires full replacement.

### 4. FINANCIAL MATTERS:

Since the Schedule of Assessment needs further modifications and a 2<sup>nd</sup> Court of Revision is required, the final breakdown of cost is not known at this time. The overall project was estimated at \$60,200 which will be assessed to the lands and roads that drain through the bridge being replaced.

### 5. CONSULTATIONS:

There were no consultations.

6. **CONCLUSION:**

The bridge serving the McClure property is in poor condition and requires replacement. The cost of the project is assessed to the lands and roads that contribute storm water to the project.



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Eric Chamberlain  
**Contract Drainage Superintendent**

EC/

**Attachments:**

Revised Schedule of Assessment for the Curry Marsh Drain – McClure Bridge dated August 31, 2023

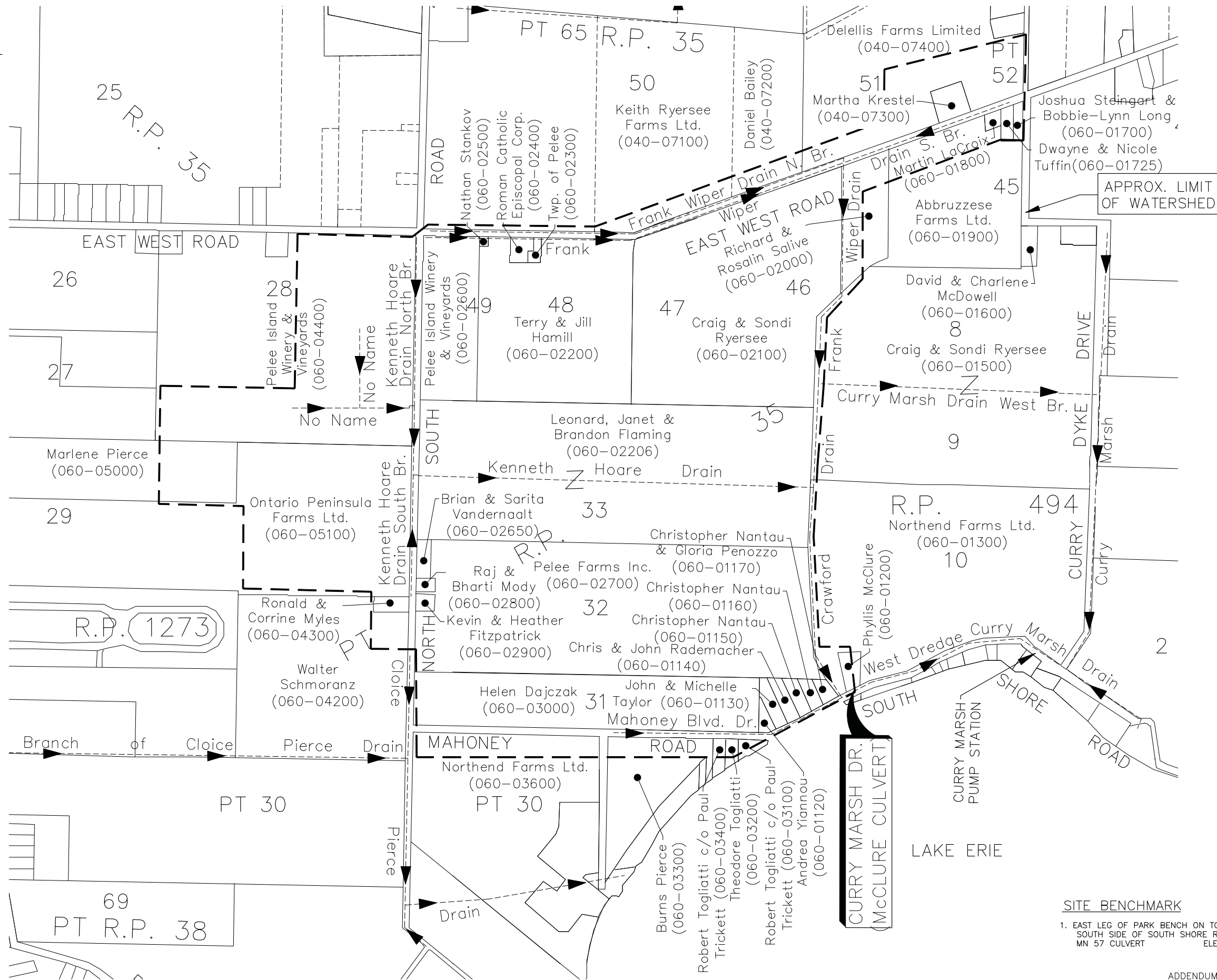
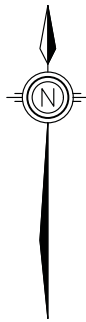
Revised Watershed Map for the Curry Marsh Drain – McClure Bridge

Mr. and Mrs. Ryersee Appeal to Court of Revision dated September 20, 2023

**DEPARTMENTS/OTHERS CONSULTED:**

**Name:**

**Title:**           **Email:**



**SITE BENCHMARK**  
 1. EAST LEG OF PARK BENCH ON TOP OF REAR CORNER,  
 SOUTH SIDE OF SOUTH SHORE ROAD JUST WEST OF  
 MN 57 CULVERT  
 ELEVATION = 177.235m

**WATERSHED PLAN**  
 Scale = 1:4,000

**THESE PLANS HAVE BEEN REDUCED  
 AND THE SCALE THEREFORE VARIES.  
 FULL SCALE PLANS MAY BE VIEWED  
 AT THE MUNICIPAL OFFICE.**

ADDENDUM 3: AUGUST 31st, 2023

DRAWN BY: G.R.	PLOT CODE: 1:1
COMPUTER FILE: REI2022D016.DWG	
FILE No.: REI2022D016	SHEET No.: 2 OF 3

SERVER: 2019\REI Data\Barnes\GIS\PROJECTS\Projects 2022\WED2022016 - Curry Marsh Dr (McClure Culvert)\Map\Curry Marsh Dr R3 McClure Culvert Watershed plan.dwg  
 2023-08-31 10:30:00

**RECEIVED**

SEP 20 2023

To: The Clerk of the Corporation of the Township of Pelee  
 Re: McCorm Bridge TOWNSHIP OF PEELE  
 (Designation of drainage works)

Take notice that I/we, an owner or owners of land assessed for the above-mentioned drainage works, appeal to the Drainage Court of Revision under:

- Section 52 (1) for the construction or improvement of a drain; or
- Section 76 (4) for the development of a new assessment schedule for the drain on the grounds that:
  - My/our land has been assessed too high;
  - My/our land has been assessed too low;
  - Other land or road has been assessed too high;
  - Other land or road has been assessed too low;
  - Other land or road that should have been assessed has not been assessed;
  - Due consideration has not been given as to type of use of land.

Include Details of Appeal (attach additional pages if needed):

*See Attached*

**Property Owners Appealing to Court of Revision**

- Your municipal property tax bill will provide the property description and parcel roll number.
- In rural areas, the property description should be in the form of (part) lot and concession and civic address.
- In urban areas, the property description should be in the form of street address and lot and plan number, if available.
- If appealing to Court of Revision regarding multiple properties, attach additional page with property information.

Property Description: Lot 46 + 47 Plan 35

Ward or Geographic Township: Pelee Parcel Roll Number: 37 01 060 00002/00 0600

If property is owned in partnership, all partners must be listed. If property is owned by a corporation, list the corporation's name and the name and corporate position of the authorized officer. Only the owner(s) of the property may appeal to the Court of Revision.

**Select Ownership Type**

Enter the mailing address and primary contact information of property owner below:

Last Name: Ryerson First Name: Craig & Sondi Middle Initial: D

Mailing Address

Unit Number: <u>480</u>	Street/Road Number: <u>480</u>	Street/Road Name: <u>EAST - WEST RD</u>	PO Box:
City/Town: <u>Pelee Island</u>		Province: <u>ONT</u>	Postal Code: <u>N0K1M0</u>



THE CORPORATION OF THE

# Township Of Pelee

The Township of Pelee, 1045 West Shore Road, Pelee Island, ON N0R 1M0

Phone: 519-724-2931

Fax: 519-724-2470

Email: info@pelee.ca

Website: pelee.org

- ① Our property is Accessed at 100% but ~~not~~ our water does not drain that way. As stated in the 1977 Frank Wiper Drain report - the west branch is the original outlet but it would have been more costly to improve that outlet, so he recommended to improve the Crawford, which had just been ~~by~~ cleared in 1976. But he never stated that the water would only flow that way. As proof the west branch was not closed off. Given the lands that drain into Crawford drain 70 + 50 + 50 directly into it 1" of rain is about 5,000,000 gallons the water over utilizing the 1,000,000 capacity Crawford Draining, and actually the water flows north and out the west Branch plus the added flow from the Kenneth Hogg Drain well over flow the capacity of the Crawford. This flow makes a water dam causing the water to flow out the west end and on to the lower area of the Old Marsh.
- ② A 52 foot culvert is not an improvement because there is more chance of it becoming blocked or causing flooding.
- ③ There is land draining into the system that has not been properly assessed and causing flooding and over use of Frank Wiper Drain. Another Engineer Mistake.





**Notice of Appeal to Tribunal by Owner of Land  
or Public Utility**

**Re: Engineer's Report**

Drainage Act, R.S.O. 1990, c. D.17, subs. 48(1)

To: The Council of the Corporation of the Township of Pelee

Re: McLum Bridge  
(Name of Drain)

Take notice that I/we appeal to the Agriculture, Food and Rural Affairs Appeal Tribunal as owner(s) of land under section 48(1), because of dissatisfaction with the report of the engineer on the grounds that:

- The benefit to be derived from the drainage works are not commensurate with estimated cost thereof;
- The drainage works should be modified on grounds to be stated;
- The compensation or allowances provided by the engineer are inadequate or excessive; or
- The engineer has reported that the drainage works is not required, or is impractical, or cannot be constructed.

Details of application and relief being sought from Tribunal (attach additional pages if needed):

See Attached

I am/we are appealing as:  Owner(s) of Land  Public utility

**Property Owners or Public Utility Appealing to Tribunal**

- Your municipal property tax bill will provide the property description and parcel roll number.
- In rural areas, the property description should be in the form of (part) lot and concession and civic address.
- In urban areas, the property description should be in the form of street address and lot and plan number, if available.
- If appealing to Tribunal regarding multiple properties, attach additional page with property information.

Property Description <u>RL 35 Lot 46-47</u>	Parcel Roll Number <u>37 01 060 000 021 00 0000</u>
Ward or Geographic Township <u>Pelee</u>	

If property is owned in partnership, all partners must be listed. If property is owned by a corporation or public utility, list the name and the corporate position of the authorized officer. Only the owner(s) of the property may appeal to the Tribunal.

**Select Ownership Type**

**SCHEDULE OF ASSESSMENT**  
**CURRY MARSH DRAIN (McClure Culvert)**  
**TOWNSHIP OF PEELE**

**3. MUNICIPAL LANDS:**

Tax Roll No.	Con. or Plan No.	Lot or Part of Lot	Acres Afft'd	Hectares Afft'd	Owner's Name	Value of Benefit	Value of Outlet	Value of Special Benefit	TOTAL VALUE
South Shore Road			0.86	0.350	Township of Pelee	\$ -	\$ 249.00	\$ -	\$ 249.00
Curry Dyke Drive			0.59	0.240	Township of Pelee	\$ -	\$ 171.00	\$ -	\$ 171.00
Henderson Road			4.20	1.700	Township of Pelee	\$ -	\$ 1,208.00	\$ -	\$ 1,208.00
North South Road			5.07	2.050	Township of Pelee	\$ -	\$ 1,457.00	\$ -	\$ 1,457.00
Mahoney Road			5.07	2.050	Township of Pelee	\$ -	\$ 1,457.00	\$ -	\$ 1,457.00
East West Road			7.26	2.940	Township of Pelee	\$ -	\$ 2,087.00	\$ -	\$ 2,087.00
<b>Total on Municipal Lands.....</b>						<b>\$ -</b>	<b>\$ 6,629.00</b>	<b>\$ -</b>	<b>\$ 6,629.00</b>

**4. PRIVATELY OWNED - NON-AGRICULTURAL LANDS:**

Tax Roll No.	Con. or Plan No.	Lot or Part of Lot	Acres Afft'd	Hectares Afft'd	Owner's Name	Value of Benefit	Value of Outlet	Value of Special Benefit	TOTAL VALUE
040-07300	35	Pt. Lots 51 & 52	1.94	0.785	Martha Krestel	\$ -	\$ 257.00	\$ -	\$ 257.00
060-01120	35	Pt. Lot 31	0.67	0.271	Andrea Yiannou	\$ -	\$ 127.00	\$ -	\$ 127.00
060-01130	35	Pt. Lot 31	1.20	0.486	John & Michelle Taylor	\$ -	\$ 200.00	\$ -	\$ 200.00
060-01140	35	Pt. Lot 31	1.15	0.465	Chris & John Rademacher	\$ -	\$ 192.00	\$ -	\$ 192.00
060-01150	35	Pt. Lot 31	0.98	0.397	Christopher Nantau	\$ -	\$ 169.00	\$ -	\$ 169.00
060-01160	35	Pt. Lot 31	0.80	0.324	Christopher Nantau	\$ -	\$ 147.00	\$ -	\$ 147.00
060-01170	35	Pt. Lot 31	0.70	0.283	Christopher Nantau & Gloria	\$ -	\$ 133.00	\$ -	\$ 133.00
060-01200	494	Pt. Lot 10	1.00	0.405	Phyllis McClure	\$ -	\$ 132.00	\$ 19,406.00	\$ 19,538.00
060-01300	494	Pt. Lot 10	2.00	0.809	Northend Farms Ltd.	\$ -	\$ 115.00	\$ -	\$ 115.00
060-01600	494	Pt. Lot 8	1.32	0.534	David & Charlene McDowell	\$ -	\$ 205.00	\$ -	\$ 205.00
060-01700	35	Pt. Lot 45	0.65	0.264	Joshua Steingart & Bobbie-Lynn	\$ -	\$ 124.00	\$ -	\$ 124.00
060-01725	35	Pt. Lot 45	0.79	0.322	Dwayne & Nicole Tuffin	\$ -	\$ 146.00	\$ -	\$ 146.00

Tax Roll No.	Con. or Plan No.	Lot or Part of Lot	Acres Afft'd	Hectares Afft'd	Owner's Name	Value of Benefit	Value of Outlet	Value of Special Benefit	TOTAL VALUE
060-01800	35	Pt. Lot 45	0.53	0.214	Martin LaCroix	\$ -	\$ 104.00	\$ -	\$ 104.00
060-02000	35	Pt. Lot 45	6.00	2.428	Richard & Rosalin Salive	\$ -	\$ 345.00	\$ -	\$ 345.00
060-02300	35	Pt. Lot 49	0.46	0.186	Township of Pelee	\$ -	\$ 98.00	\$ -	\$ 98.00
060-02400	35	Pt. Lot 49	0.98	0.395	Roman Catholic Episcopal Corp.	\$ -	\$ 169.00	\$ -	\$ 169.00
060-02500	35	Pt. Lot 49	0.25	0.101	Nathan Stankov	\$ -	\$ 62.00	\$ -	\$ 62.00
060-02650	35	Pt. Lot 32	0.96	0.389	Brian & Sarita Vandernaalt	\$ -	\$ 166.00	\$ -	\$ 166.00
060-02800	35	Pt. Lot 32	0.48	0.194	Raj & Bharti Mody	\$ -	\$ 99.00	\$ -	\$ 99.00
060-02900	35	Pt. Lot 32	0.58	0.235	Kevin & Hearther Fitzpatrick	\$ -	\$ 113.00	\$ -	\$ 113.00
060-03100	35	Pt. Lots 30 & 31	0.37	0.149	Robert Togliatti C/O Paul Trickett	\$ -	\$ 76.00	\$ -	\$ 76.00
060-03200	35	Pt. Lots 30 & 31	0.40	0.164	Theodore Togliatti	\$ -	\$ 79.00	\$ -	\$ 79.00
060-03400	35	Pt. Lots 30 & 31	0.43	0.173	Robert Togliatti C/O Paul Trickett	\$ -	\$ 44.00	\$ -	\$ 44.00
060-03600	35	Pt. Lots 30 & 31	10.48	4.241	Northend Farms Ltd.	\$ -	\$ 603.00	\$ -	\$ 603.00
060-04300	35	Pt. Lot 29	1.01	0.409	Ronald & Corrine Myles	\$ -	\$ 168.00	\$ -	\$ 168.00
060-05100	35	Pt. Lot 29	53.28	21.560	Ontario Peninsula Farms Ltd.	\$ -	\$ 3,064.00	\$ -	\$ 3,064.00
<b>Total on Privately Owned - Non-Agricultural Lands.....</b>						<b>\$ -</b>	<b>\$ 7,137.00</b>	<b>\$ 19,406.00</b>	<b>\$ 26,543.00</b>

**5. PRIVATELY OWNED - AGRICULTURAL LANDS (grantable):**

Tax Roll No.	Con. or Plan No.	Lot or Part of Lot	Acres Afft'd	Hectares Afft'd	Owner's Name	Value of Benefit	Value of Outlet	Value of Special Benefit	TOTAL VALUE
040-07100	35	Pt. Lots 50 & 65	4.32	1.750	Keith Ryersee Farms Ltd.	\$ -	\$ 249.00	\$ -	\$ 249.00
040-07200	35	Pt. Lots 50 & 65	2.59	1.050	Daniel Bailey	\$ -	\$ 149.00	\$ -	\$ 149.00
040-07400	35	Pt. Lots 51 & 52	13.71	5.550	DeLellis Farms Limited	\$ -	\$ 789.00	\$ -	\$ 789.00
060-01500	494	Pt. Lot 8 & 9	0.00	0.000	Craig & Sondi Ryersee	\$ -	\$ -	\$ -	\$ -
060-01900	35 404	Pt. Lot 45 Lot 7	3.02	1.223	Abbruzzese Farms Ltd.	\$ -	\$ 174.00	\$ -	\$ 174.00
060-02100	35	Lots 46 & 47	69.00	27.924	Craig & Sondi Ryersee	\$ -	\$ 3,969.00	\$ -	\$ 3,969.00
060-02200	35	Lots 48 & Pt. Lot 49	45.28	18.325	Terry & Jill Hamill	\$ -	\$ 2,604.00	\$ -	\$ 2,604.00

Tax Roll No.	Con. or Plan No.	Lot or Part of Lot	Acres Afft'd	Hectares Afft'd	Owner's Name	Value of Benefit	Value of Outlet	Value of Special Benefit	TOTAL VALUE
060-02206	35	Lot 33	102.00	41.279	Leonard, Janet & Brandon Flaming	\$ -	\$ 5,867.00	\$ -	\$ 5,867.00
060-02600	35	Pt. Lot 49	17.00	6.880	Pelee Island Winery & Vineyards	\$ -	\$ 978.00	\$ -	\$ 978.00
060-02700	35	Pt. Lot 32	94.83	38.377	Pelee Farms Inc.	\$ -	\$ 5,454.00	\$ -	\$ 5,454.00
060-03000	35	Pt. Lot 31	34.30	13.881	Helen Dajczak	\$ -	\$ 1,973.00	\$ -	\$ 1,973.00
060-03300	35	Pt. Lots 30 & 31	5.93	2.400	Burns Pierce	\$ -	\$ 341.00	\$ -	\$ 341.00
060-04200	35	Pt. Lot 30	2.59	1.047	Walter Schmoranz	\$ -	\$ 149.00	\$ -	\$ 149.00
060-04400	35	Pt. Lot 28	64.64	26.160	Pelee Island Winery & Vineyards	\$ -	\$ 3,718.00	\$ -	\$ 3,718.00
060-05000	35	Pt. Lot 29	10.67	4.320	Marlene Pierce	\$ -	\$ 614.00	\$ -	\$ 614.00
<b>Total on Privately Owned - Agricultural Lands (grantable).....</b>						<b>\$ -</b>	<b>\$ 27,028.00</b>	<b>\$ -</b>	<b>\$ 27,028.00</b>
<b>TOTAL ASSESSMENT</b>			<b>582.36</b>	<b>235.679</b>		<b>\$ -</b>	<b>\$ 40,794.00</b>	<b>\$ 19,406.00</b>	<b>\$ 60,200.00</b>

=====

1 Hectare = 2.471 Acres  
Project No. REI2022D016  
January 5th, 2023  
Addendum 3: August 31st, 2023

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

“

It is recommended that:

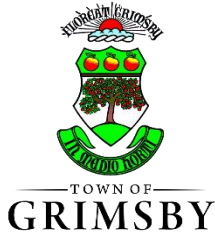
1. The report from the Drainage Superintendent dated September 20, 2023 regarding the engineer’s report for the 2<sup>nd</sup> Court of Revision for the Curry Marsh Drain McClure Bridge **BE RECEIVED**;
2. The revised schedule of assessment and watershed plan dated August 31, 20223 prepared by Rood Engineering Inc. **BE PRESENTED** to the Court of Revision and landowners to deal with concerns raised by the landowners;
3. The Court of Revision **BE HELD** to consider any assessment appeals raised by the landowners for the Curry Marsh Drain McClure Bridge;
4. The schedules of assessment **BE ADOPTED** subject to any alterations by the Court of Revision provided by the appointed engineer for the Curry Marsh Drain – McClure Bridge as prepared by Rood Engineering Inc. dated August 31, 2023.
5. The Court of Revision for the Curry Marsh Drain Mc Clure bridge be closed

RESOLUTION RESULT	RECORDED VOTE		
CARRIED		YES	NO
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

--	--

The above is a certified to be true copy of resolution number 2023 –

Mary Masse  
Interim Clerk



**The Corporation of the Town of Grimsby  
Administration**

Office of the Town Clerk

160 Livingston Avenue, Grimsby, ON L3M 0J5

**Phone:** 905-945-9634 Ext. 2171 | **Fax:** 905-945-5010

**Email:** [bdunk@grimsby.ca](mailto:bdunk@grimsby.ca)

September 8, 2023

SENT VIA E-MAIL

Office of the Prime Minister  
80 Wellington St.  
Ottawa, ON, K1A

Attention: The Right Honourable Justin Trudeau

**RE: Establishing a Guaranteed Livable Income**

Please be advised that the Council of the Corporation of the Town of Grimsby at its meeting held on September 5, 2023 passed the following resolution:

Moved by: Councillor Korstanje

Seconded by: Councillor Freake

Whereas the Canadian livable wage for Niagara Region, two years ago was determined to be \$19.80. This was \$6000 below the annual income of a minimum wage employee; and

Whereas our residents on programs such as Ontario Works, receive targeted fixed monthly incomes of \$733, and ODSP recipients receive \$1376; and

Whereas at the current Ontario minimum wage rate, a person working 37.5 hours per week will earn approximately \$2,500 monthly (before tax); and

Whereas the median rent for one bedroom in Grimsby as of August 2023 is now \$2000 a month; and

Whereas rent is considered affordable, when it is less than 30% of income. In Niagara west, rent is approximately 272% of Ontario Works, 145% of Ontario Disability Support Services, 75% of minimum wage full-time, and 150% of minimum wage part time; and

Whereas an annual 2.5% allowable rent increase can be combined with an additional 3-6.5% capital investment increase, raising the cost of rental housing another minimum of \$110 monthly; and

Whereas there are no housing units under Niagara Regional Housing for single adults or families with dependents, including 2,3,4 or five bedrooms in our community; and

Whereas the Grimsby Benevolent Fund reported that in 2022:

- 70+ households received monthly rental supplement totaling \$237,744
- \$79,500 was invested into one time emergency housing support as of June 7, 2023
- 78 households are receiving monthly financial benefits to make rental housing more affordable; and

Whereas food inflation was 8.3% and groceries rose by 9.1%; and

Whereas the Grimsby Food Bank numbers from June 2023 reported:

- 19 new households
- 447 served households
- 1055 served individuals
- 7 emergency visits; and

Whereas the Grimsby Economic Strategic Plan identified the general high cost of living and housing affordability as primary obstacles in our workforce attraction.

Therefore be it resolved that The Corporation of the Town of Grimsby circulate correspondence to Ontario municipalities encouraging them not only to collect data of their housing and poverty statistics, but also to examine their pending economic vulnerability as a result.

Be it further resolved that The Corporation of the Town of Grimsby encourage these same municipalities to join us in advocating on behalf of our communities with this data, and by writing a letter to the Prime Minister, Premier, and local politicians calling for a united effort in establishing a Guaranteed Livable Income program.



Be it further resolved the Town of Grimsby Clerks Department circulates this resolution to Niagara West MP Dean Allison and Niagara West MPP Sam Oosterhoff, requesting a response on this matter within 30 days of receipt.

Be it further resolved that The Corporation of the Town of Grimsby, through its Finance and Human Resources departments, undertake a comprehensive assessment to explore the feasibility and implementation of a living wage policy for all Town of Grimsby employees, with the aim of ensuring that all municipal workers receive fair compensation that aligns with the principles of a living wage and that staff be directed to explore becoming a living wage employer.

If you require any additional information, please let me know.

Regards,



Bonnie Nistico-Dunk  
Town Clerk

cc. Hon. Doug Ford, Premier of Ontario  
Ontario Municipalities  
Dean Allison, MP Niagara West  
Sam Oosterhoff, MPP Niagara West

September 15, 2023

**Re: Item for Discussion - Item for Discussion – Time for Change - Municipal Freedom of Information and Protection of Privacy Act (MFIPPA)**

At its meeting of September 13, 2023, the Council of the Corporation of the Town of Bracebridge ratified motion 23-GC-184, regarding the Item for Discussion – Time for Change - Municipal Freedom of Information and Protection of Privacy Act (MFIPPA), as follows:

“WHEREAS the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990 (MFIPPA) came into force and effect on January 1, 1991;

AND WHEREAS municipalities, including the Town of Bracebridge, practice and continue to promote open and transparent government operations, actively disseminate information and routinely disclose public documents upon request outside of the MFIPPA process;

AND WHEREAS government operations, public expectations, technologies, and legislation surrounding accountability and transparency have dramatically changed and MFIPPA has not advanced in line with these changes;

AND WHEREAS the creation, storage and utilization of records has changed significantly, and the Clerk of the Municipality is responsible for records and information management programs as prescribed by the Municipal Act, 2001;

AND WHEREAS regulation 823 under MFIPPA continues to reference antiquated technology and does not adequately provide for cost recovery, and these financial shortfalls are borne by the municipal taxpayer;

AND WHEREAS the threshold to establish frivolous and/or vexatious requests is unreasonably high and allows for harassment of staff and members of municipal councils, and unreasonably affects the operations of the municipality;

AND WHEREAS the MFIPPA fails to recognize how multiple requests from an individual, shortage of staff resources or the expense of producing a record due to its size, number, or physical location does not allow for time extensions to deliver requests and unreasonably affects the operations of the municipality;

AND WHEREAS the name of the requestor is not permitted to be disclosed to anyone other than the person processing the access request, and this anonymity is used by requesters to abuse the MFIPPA process and does not align with the spirit of openness and transparency embraced by municipalities;

AND WHEREAS legal professionals use MFIPPA to gain access to information to launch litigation against institutions, where other remedies exist;

1000 Taylor Court  
Bracebridge, ON  
P1L 1R6 Canada

AND WHEREAS there are limited resources to assist administrators or requestors to navigate the legislative process;

AND WHEREAS reform is needed to address societal and technological changes in addition to global privacy concerns and consistency across provincial legislation;

NOW THEREFORE BE IT RESOLVED THAT the Ministry of Public and Business Service Delivery be requested to review MFIPPA, and consider recommendations as follows:

1. That MFIPPA assign the Municipal Clerk, or their designate to be the Head under the Act;
2. That MFIPPA be updated to address current and emerging technologies;
3. That MFIPPA regulate the need for consistent routine disclosure practices across institutions;
4. That the threshold for frivolous and/or vexatious actions be reviewed, and take into consideration the community and available resources in which it is applied;
5. That the threshold for frivolous and/or vexatious also consider the anonymity of requesters, their abusive nature and language in requests to ensure protection from harassment as provided for in the Occupational Health and Safety Act;
6. That the application and scalability of fees be designed to ensure taxpayers are protected from persons abusing the access to information process;
7. That administrative practices implied or required under MFIPPA, including those of the Information and Privacy Commissioner (IPC), be reviewed and modernized;
8. That the integrity of MFIPPA be maintained to protect personal privacy and transparent governments; and
9. And that this resolution be sent to the Premier of Ontario; Minister of Municipal Affairs and Housing; Minister of Public and Business Service Delivery; and Member of Provincial Parliament for Parry Sound-Muskoka; Muskoka and Area Indigenous Leadership Table (MAILT); and all Ontario Municipalities.”

In accordance with Council's direction, I am forwarding you a copy of the resolution for you reference.

Please do not hesitate to contact me if I can provide any additional clarification in this regard.

Yours truly,



Lori McDonald  
Director of Corporate Services/Clerk

**Ministry of  
Municipal Affairs  
and Housing**

Office of the Minister

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

**Ministère des  
Affaires municipales  
et du Logement**

Bureau du ministre

777, rue Bay, 17e étage  
Toronto (Ontario) M7A 2J3  
Tél. : 416 585-7000



234-2023-4205

August 22, 2023

Dear Head of Council,

**Subject: Building Faster Fund**

The housing supply crisis affects all of Ontario – from rural communities to large, urban centres. Our government is committed to building at least 1.5 million homes by 2031, with municipalities across the province as our key partners.

On August 21, 2023, Premier Ford announced the new Building Faster Fund, a new three-year-\$1.2 billion program to help municipalities meet or exceed their share of the province's 1.5 million homes goal.

**As announced by Premier Ford, 10% of the overall funding will be set aside for small, rural and northern communities that have not been assigned a housing target by the province, in order to address their unique needs in supporting growth in housing supply.**

Ontario will be consulting with the Association of Municipalities of Ontario and the Housing Supply Action Plan Implementation Team on program design details of the Building Faster Fund, including how the funds can best support small, rural and northern communities, and I look forward to sharing more information with you in the future. As Ontario grows, we need to build more homes. I look forward to your support in ensuring that everyone – newcomers, young families and seniors – can afford a place to call home.

Sincerely,

A handwritten signature in blue ink that reads "Steve Clark".

Steve Clark  
Minister

c: Hon. Nina Tangri, Associate Minister of Housing  
Ryan Amato, Chief of Staff, Minister's Office  
Martha Greenberg, Deputy Minister  
Joshua Paul, Assistant Deputy Minister, Market Housing Division  
Sean Fraser, Assistant Deputy Minister, Planning and Growth Division  
Caspar Hall, Assistant Deputy Minister, Local Government Division



**Administration Office**  
**Mailing address**  
**Email**  
**Phone**

1024 Hurlwood Lane, Severn  
PO Box 159, Orillia, Ontario L3V 6J3  
info@severn.ca  
705-325-2315

August 11, 2023

Climate Emergency Unit  
c/o The David Suzuki Institute  
201 Pringle Farm Rd  
Saltspring Island, BC  
V8K 2Y2

Dear Erin Blondeau, Director of Communications

Re: Climate Emergency Just Transition Transfer (JTT)

Please be advised that the Council for the Township of Severn received correspondence respecting the Just Transition Transfer (JTT) at their recent August 9<sup>th</sup>, 2023 Council meeting.

Following discussion Motion C2023-042 was passed:

**Moved by Councillor - Ward 3 Phil Brennan**  
**Seconded by Deputy Mayor Judith Cox**

**WHEREAS Canada's greenhouse gas (GHG) emissions are slowly starting to trend downward, but the reduction trajectory remains incongruent with what science and justice demands;**

**WHEREAS Canada must spend what it takes to confront the climate emergency, and there is an urgent need for Canada to spend more on climate infrastructure that would drive down GHGs and hasten the transition off fossil fuels;**

**WHEREAS Canada needs to make an audacious and hopeful offer to those workers and communities whose employment and economic security is currently tied to the fossil fuel industry (and to a lesser extent the auto, steel, concrete, and agriculture industries, etc., all of which face substantial transition challenges), and to Indigenous communities on the frontlines of fossil fuel extraction;**

**WHEREAS the federal government has introduced a *Sustainable Jobs Act*, but this Act needs to be paired with and backed-up by a substantial investment in the jobs of the future;**

**WHEREAS much of the climate infrastructure needed will come under provincial, municipal and Indigenous jurisdiction (renewable energy, grid upgrades, public transit, zero-emission housing, etc.), and training comes under provincial jurisdiction, but it is the federal government that has the greatest capacity to pay;**

**WHEREAS a new federal Climate Emergency Just Transition Transfer (JTT) specifically linked to funding climate infrastructure projects that would create hundreds of thousands of jobs, along with training and apprenticeships programs for workers and those leaving the oil and gas industry -- would be a transformative program that signals that Canada is indeed entering emergency mode;**

**WHEREAS the JTT would be an annual transfer of approximately \$25 billion from the federal government to provincial/territorial, municipal and Indigenous governments, purpose-built to meet the climate emergency imperative to decarbonize our society, ensuring communities can fund the infrastructure and training needed to transition off fossil fuels, while creating thousands of sustainable jobs in a way that is specific to their needs and locale;**

**WHEREAS the JTT's distribution would be based on a formula linked to recent GHG emissions in each province (but fixed from that point onward, so as not to perversely incentivize continued high GHGs), recognizing that some jurisdictions face a more challenging task to transition their local economies;**

**WHEREAS the JTT would transfer federal funds to newly established just transition agencies in each province and territory -- jointly governed by the federal government, provincial/territorial governments, municipal governments, and local Indigenous nations -- and in some case directly to Indigenous nations, ensuring the transfer money is not simply absorbed into provincial or municipal budgets or used to displace other infrastructure or**

**training funds, but rather, ensuring the money is used for its intended purpose, and that funds are allocated in a manner sensitive to local climate action plans, the unique GHG profiles of each region, and to local labour market/training needs;**

**WHEREAS a JTT could provide significant, stable, multi-year funding for the climate infrastructure and training/employment needs of municipalities, Indigenous communities, energy utilities, public transit authorities and public housing authorities;**

**WHEREAS the federal government is welcome to title such a new transfer as they see fit (e.g. a Sustainable Jobs Transfer or a Climate Infrastructure Transfer);**

**NOW THEREFORE BE IT RESOLVED, that the Township of Severn formally endorses the call for a new Just Transition Transfer; and**

**THAT the Township of Severn urges the federal government to establish a new Just Transition Transfer, starting with a major financial commitment in the next federal budget; and will write to the federal ministers concerned expressing this support;**

**AND THAT this resolution be circulated to all municipalities.**

**Carried**

Should you have any questions or concerns, please feel free to contact me at (705) 325-2315 x 232 or by email at [agray@severn.ca](mailto:agray@severn.ca)

Regards,

*Alison Gray*

Alison Gray, BAH, CMO, AOMC  
Clerk

Cc Ontario Municipalities



OFFICE OF THE MAYOR  
CITY OF HAMILTON

**VIA: Mail**

The Honourable Paul Calandra  
Ministry of Municipal Affairs and Housing  
777 Bay Street, 17th Floor  
Toronto, ON M7A 2J3

September 11, 2023

Dear Minister Calandra:

On August 18, 2023, Hamilton City Council approved Item 7.5 which reads as follows:

**7.5 City of Hamilton – Request to Abandon Greenbelt Development**

WHEREAS, the City of Hamilton is committed to reducing the cost of housing and has pledged to facilitate the construction of 47,000 housing units by 2031;

WHEREAS, City of Hamilton staff have concluded that residential housing development within the former Greenbelt lands is unnecessary to facilitate construction of the pledged housing units;

WHEREAS, on February 8, 2023, Hamilton City Council declared “The Minister’s decision to remove 795 hectares of land from the Greenbelt Plan is unnecessary and is not supported by the City of Hamilton”;

WHEREAS, the Auditor General for the Province of Ontario has confirmed Hamilton’s conclusion that “Greenbelt land was not needed to meet the current housing targets assigned to them by the Housing Ministry”;

WHEREAS, development of the Greenbelt would be a significant financial liability to Hamilton taxpayers;

WHEREAS, the Auditor General for the Province of Ontario stated: “Land sites removed from the Greenbelt in December 2022 were largely not serviced, were not in their servicing plans, and that many of the sites would be challenging to prioritize and service in the near future...” and “Some of these sites would require considerable infrastructure to prepare them for housing development”; and



WHEREAS, the Greenbelt should be protected as a vital element of Hamilton's environmental and agricultural resources.

THEREFORE, BE IT RESOLVED:

- (a) That the City of Hamilton requests the Province of Ontario abandon its plan to develop the Greenbelt and that all lands within the City of Hamilton removed from the Greenbelt be reinstated; and
- (b) That this resolution be circulated to all Ontario municipalities where Greenbelt lands were slated for development for support and a similar declaration to the Province of Ontario.

Your consideration of Council's request is appreciated. We would ask that you reference File #C23-015 when responding to this correspondence.

Sincerely,



Mayor Andrea Horwath

File #C23-015

c.c. Association of Municipalities Ontario (AMO)  
Federation of Canadian Municipalities  
Rural Ontario Municipal Association  
All Ontario Municipalities (by email)



**MATACHEWAN**

PO Box 177 , Matachewan , Ontario , P0K 1M0  
Tel: 705-565-2274

August 16, 2023

**RESOLUTION**

**Resolution # 2023-252**

**Agenda Item # 8.2 Regular Council Meeting**

**Moved By :** Emily Stewart

**Seconded By :** Dianne Gilbert

**WHEREAS**, all Ontarians deserve and expect a safe and respectful workplace;

**WHEREAS**, municipal governments, as the democratic institutions most directly engaged with Ontarians need respectful discourse;

**WHEREAS**, several incidents in recent years of disrespectful behaviour and workplace harassment have occurred amongst members of municipal councils;

**WHEREAS**, these incidents seriously and negatively affect the people involved and lower public perceptions of local governments;

**WHEREAS**, municipal Codes of Conduct are helpful tools to set expectations of council member behaviour;

**WHEREAS**, municipal governments do not have the necessary tools to adequately enforce compliance with municipal Codes of Conduct;

**NOW**, therefore be it resolved that the Council of the Corporation of the Township of Matachewan supports the call of the Association of Municipalities of Ontario for the Government of Ontario to introduce legislation to strengthen municipal Codes of Conduct and compliance with them in consultation with municipal governments;

**ALSO BE IT RESOLVED** that the legislation encompass the Association of Municipalities of Ontario's recommendations for:

- Updating municipal Codes of Conduct to account for workplace safety and harassment
- Creating a flexible administrative penalty regime, adapted to the local economic and financial circumstances of municipalities across Ontario
- Increasing training of municipal Integrity Commissioners to enhance consistency of investigations and recommendations across the province
- Allowing municipalities to apply to a member of the judiciary to remove a sitting member if recommended through the report of a municipal Integrity Commissioner
- Prohibit a member so removed from sitting for election in the term of removal and the subsequent term of office.

**WHEREAS**, this legislation be prioritized for the fall of 2023 given the urgency of this issue; and

**FURTHERMORE**, this resolution be sent to the Premier of Ontario, MPP Fedeli, Minister of Municipal Affairs, Associate Minister of Women's Social and Economic Opportunity, AMO and all municipalities.

**Carried**

\_\_\_\_\_  
Mike Young  
Deputy Mayor

\_\_\_\_\_  
Cheryl Swanson  
Clerk

**COPY**  
*Signatures on file*



May 2023

Your Worship,

Whether you live in a large, cosmopolitan city or a small hamlet, you have been faced with the opioid crisis facing Canadians.

The National Chronic Pain Society is asking for your assistance to help patients suffering from chronic pain from becoming addicted to opioids.

Recently, the Ontario College of Physicians and Surgeons has made a decision that will lead more people who suffer from chronic pain to turn to opioids to alleviate their pain. The College is targeting community pain clinics by requiring the use of ultrasound technology in the administration of nerve block injections by licensed physicians. They are not mandating this requirement for physicians in any other capacity, such as epidurals in hospitals. This requirement will increase the time it takes to administer the nerve block and, therefore, reduce the number of patients a physician can see in a day.

Also, the Ontario Health Insurance Plan (OHIP) is proposing to reduce coverage for several vital healthcare services, including a drastic reduction in the number and frequency of nerve block injections a patient can receive. These changes have been proposed without any consultation with pain management medical professionals or with their patients. This cut will force chronic pain clinics to shut down, putting a greater strain on family physicians and emergency rooms.

With the reduction in the number of nerve blocks being administered, many patients, looking for pain relief, will turn to overcrowded emergency rooms, opioid prescriptions from doctors or opioid street drugs.

We are asking that your Council pass a motion requesting that the Government of Ontario maintain OHIP coverage for chronic pain treatments and continue to provide much-needed care for the people of Ontario.

Further if you can please communicate that motion to the Premier, Minister of Health, Associate Minister of Mental Health and Addictions and your local MPP(s),

Thank you for your kind consideration of this matter. If you have any question, please do not hesitate to contact me at 1-800-252-1837, or by email at [info@nationalchronicpainsociety.org](mailto:info@nationalchronicpainsociety.org). You may also contact me through Elias Diamantopoulos of GTA Strategies at (416) 499-4588 ext. 6, or at [elias@gtastrategies.com](mailto:elias@gtastrategies.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Leeann Corbeil".

Leeann Corbeil, Executive Director  
National Chronic Pain Society



The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

Tuesday, June 20, 2023

Resolution # RC23163	Meeting Order: 6
Moved by: <i>Cathy Cannon</i>	Seconded by: <i>[Signature]</i>

**WHEREAS** the Ontario College of Physicians and Surgeons has made a decision that will lead more people who suffer from chronic pain to turn to opioids to alleviate their pain and;

**WHEREAS** the College is targeting community pain clinics by requiring the use of ultrasound technology in the administration of nerve block injections by licensed physicians. This requirement will increase the time it takes to administer the nerve block and, therefore, reduce the number of patients a physician can see in a day and;

**WHEREAS** the Ontario Health Insurance Plan (OHIP) is proposing to reduce coverage for several vital healthcare services, including a drastic reduction in the number and frequency of nerve block injections a patient can receive and;

**WHEREAS** these changes have been proposed without any consultation with pain management medical professionals or with their patients and;

**WHEREAS** this cut will force chronic pain clinics to shut down, putting a greater strain on family physicians and emergency rooms and;

**WHEREAS** with the reduction in the number of nerve blocks being administered, many patients, looking for pain relief, will turn to overcrowded emergency rooms, opioid prescriptions from doctors or opioid street drugs;

**NOW THEREFORE BE IT RESOVLED THAT** the Council of the Corporation of the Municipality of Wawa is requesting that the Government of Ontario maintain OHIP coverage for chronic pain treatments and continue to provide much-needed care for the people of Ontario;

*p.2....*



The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

AND FURTHERMORE THAT a copy of the resolution be forwarded to all Municipalities of Ontario, local MPs and MPPs, Premier Doug Ford, the Minister of Health, Associate Minister of Mental Health and Addictions and the Association of Municipalities of Ontario.

RESOLUTION RESULT		RECORDED VOTE		
<input checked="" type="checkbox"/>	CARRIED	MAYOR AND COUNCIL	YES	NO
<input type="checkbox"/>	DEFEATED	Mitch Hatfield		
<input type="checkbox"/>	TABLED	Cathy Cannon		
<input type="checkbox"/>	RECORDED VOTE (SEE RIGHT)	Melanie Pilon		
<input type="checkbox"/>	PECUNIARY INTEREST DECLARED	Jim Hoffmann		
<input type="checkbox"/>	WITHDRAWN	Joseph Opato		

Disclosure of Pecuniary Interest and the general nature thereof.

Disclosed the pecuniary interest and general name thereof and abstained from the discussion, vote and influence.

Clerk: \_\_\_\_\_

MAYOR – MELANIE PILON	CLERK – MAURY O'NEILL

**Ministry of Natural Resources and Forestry**

Resources Planning and Development  
Policy Branch  
Policy Division  
300 Water Street  
Peterborough, ON K9J 3C7

**Ministère des Richesses naturelles et des Forêts**

Direction des politiques de planification et d'exploitation des ressources  
Division de l'élaboration des politiques  
300, rue Water  
Peterborough (Ontario) K9J 3C7

September 1, 2023

Subject: Proposed *Oil, Gas and Salt Resources Act* regulation changes for special projects and well security

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Hello,

We are writing today to share information about regulation changes being proposed under the *Oil, Gas and Salt Resources Act* that would:

- Establish the processes and requirements that would enable projects to test or demonstrate new or innovative activities in Ontario to pursue authorization under the *Oil, Gas and Salt Resources Act*, including measures to support the protection of people and the environment and provide for local and Indigenous community engagement and consultation, where appropriate, on applications for licences and permits.
- Remove well security exemptions and caps, going forward, for all wells under this Act, when
  - wells are newly drilled, deepened or converted to another use, or
  - a well licence is transferred.
- Increase security caps when companies amalgamate (i.e., no longer allow for security to be refunded to operators on the basis of a security cap when companies amalgamate).

If approved, the proposed changes would come into effect on January 1, 2024.

If approved, the proposed changes to well security exemptions and caps would also apply to operators who make requests for transfers, new well licences, conversions, deepening, or consents to adjust security due to amalgamations, that are received by the ministry after the date these proposed changes were posted to the environmental and regulatory registries.

More details on the proposed changes can be viewed in the proposal notice on the Environmental Registry of Ontario: <https://ero.ontario.ca/notice/019-7507>. Feedback on the proposed changes can be provided directly to the ministry or through the environmental registry.

The decision notice for changes to the *Oil, Gas and Salt Resources Act* to support the regulation of special projects and to enhance measures to safeguard people and the environment that were proposed last spring through *Bill 91, Less Red Tape, Stronger Economy Act, 2023* (<https://www.ola.org/en/legislative-business/bills/parliament-43/session-1/bill-91>) has now been posted and can be viewed here: <https://ero.ontario.ca/notice/019-6752>.

If you would like more information or have any questions about the proposed changes, please contact Andrew Ogilvie, Manager of Resources Development Section, at 705-761-5815 or through email: [Resources.Development@ontario.ca](mailto:Resources.Development@ontario.ca).

Sincerely,

A handwritten signature in cursive script, appearing to read "Jennifer Keyes".

Jennifer Keyes  
Director, Resources Planning and Development Policy Branch

**Ministry of Natural Resources and  
Forestry**

Resources Planning and Development  
Policy Branch  
Policy Division  
300 Water Street  
Peterborough, ON K9J 3C7

**Ministère des Richesses naturelles et  
des Forêts**

Direction des politiques de planification et  
d'exploitation des ressources  
Division de l'élaboration des politiques  
300, rue Water  
Peterborough (Ontario) K9J 3C7

1<sup>er</sup> septembre 2023

Sujet : Modifications proposées à la réglementation prise en vertu de la *Loi sur les ressources en pétrole, en gaz et en sel* concernant les travaux particuliers et la garantie des puits

---

Madame, Monsieur,

Nous vous écrivons aujourd'hui pour vous informer des modifications de la réglementation proposées dans le cadre de la *Loi sur les ressources en pétrole, en gaz et en sel* qui auraient les effets suivants:

- Établir les procédures et les exigences qui permettraient aux projets visant à mettre à l'essai ou à montrer des activités nouvelles ou innovantes en Ontario d'obtenir une autorisation en vertu de la *Loi sur les ressources en pétrole, en gaz et en sel*, ce qui comprend des mesures visant à soutenir la protection des personnes et de l'environnement et à prévoir la participation et la consultation des communautés locales et autochtones, le cas échéant, au sujet des demandes de licences et de permis.
- Supprimer à l'avenir les exemptions et les plafonds en matière de garantie des puits pour tous les puits visés par cette loi, lorsque :
  - les puits sont nouvellement forés, approfondis ou convertis à un autre usage,
  - une licence relative à un puits est transférée.
- Augmenter les plafonds de garantie en cas de fusion de sociétés (c'est-à-dire ne plus autoriser le remboursement de la garantie aux exploitants sur le fondement d'un plafond de garantie en cas de fusion de sociétés).

Si elles sont approuvées, les modifications proposées entreront en vigueur le 1<sup>er</sup> janvier 2024.



Si elles sont approuvées, les modifications proposées visant les exemptions et les plafonds de garantie des puits s'appliqueront également aux exploitants qui présentent des demandes de transfert, de nouvelles licences relatives à des puits, de conversion, d'approfondissement ou d'autorisations d'adapter la garantie en raison des fusions, et qui sont reçues par le Ministère après la date de publication de ces propositions dans les registres environnemental et de la réglementation.

De plus amples renseignements sur les modifications proposées figurent dans l'avis de proposition sur le registre environnemental de l'Ontario:

<https://ero.ontario.ca/notice/019-7507>. Les commentaires portant sur les modifications proposées peuvent être adressés directement au Ministère ou au moyen du registre environnemental.

L'avis de décision concernant les modifications de la *Loi sur les ressources en pétrole, en gaz et en sel* visant à soutenir la réglementation des travaux particuliers et de renforcer les mesures de protection des personnes et de l'environnement par l'intermédiaire du projet de loi 91, *Loi de 2023 visant à réduire les formalités administratives pour une économie plus forte* (<https://www.ola.org/fr/affaires-legislatives/projets-loi/legislature-43/session-1/projet-loi-91>) a été publié et peut être consulté à l'adresse suivante: <https://ero.ontario.ca/fr/notice/019-6752>.

Pour obtenir de plus amples renseignements ou poser des questions sur les modifications proposées, veuillez communiquer avec Andrew Ogilvie, gestionnaire de la section Développement des ressources, au 705-761-5815 ou par courrier électronique à l'adresse: [Resources.Development@ontario.ca](mailto:Resources.Development@ontario.ca).

Cordialement,



Jennifer Keyes

Directrice, Direction des politiques de planification et d'exploitation des ressources

G



**The County**  
PRINCE EDWARD COUNTY • ONTARIO

From the Office of the Clerk  
The Corporation of the County of Prince Edward  
T: 613.476.2148 x 1021 | F: 613.476.5727  
[clerks@pecounty.on.ca](mailto:clerks@pecounty.on.ca) | [www.thecounty.ca](http://www.thecounty.ca)

G

May 10, 2023

Please be advised that during the Regular Council meeting of May 9, 2023 the following resolution regarding the proposed new Provincial Planning Statement (PPS) was carried:

**RESOLUTION NO. 2023-293**

**DATE: May 9, 2023**

**MOVED BY: Councillor Hirsch**

**SECONDED BY: Councillor MacNaughton**

**WHEREAS** the goal of increasing housing supply and reducing barriers in planning processes as set out in the recent legislative, regulatory and policy changes, including new provisions from Bill 23, More Homes Built Faster Act, 2022 is welcomed;

**WHEREAS** the proposed PPS (sections 2.6 and 4.3) would dramatically remove municipal power and renders aspects of the County's Official Plan, and other official plans throughout Ontario inoperative, terminating some local planning autonomy, and directly interfering with municipalities' ability to meet local variation and unique community needs;

**WHEREAS** the proposed PPS changes that would allow proliferation of lots with protection restricted to specialty crop areas only diminishes the purpose, uses, and integrity of rural and agricultural lands, thereby removing protection and restricting future uses of those lands;

**WHEREAS** the proposed PPS changes encourage sprawl and rural roadway strip development, rather than more fiscally and environmentally sustainable practices like intensification in established settlement areas; and

**WHEREAS** the province has announced changes will be proposed to natural heritage (section 4.1) that have yet to be published;

**THEREFORE BE IT RESOLVED THAT** the Council of the Corporation of the County of Prince Edward urges the province to:

- pause proposed changes to the PPS, particularly regarding natural heritage (section 4.1) and agricultural lands (sections 2.6 and 4.3)

**RECEIVED**

**MAY 29 2023**

**BY COUNCIL**

- reinvest trust in the local planning authority of all 444 municipalities, recognizing that each Ontario municipality has unique landscapes, different housing needs and differing visions for local planning matters;

**THAT** our fellow municipalities be urged to voice their concerns regarding the proposed undermining of local planning authority;

**AND FURTHER THAT** a copy of this resolution be sent to all 444 municipalities, The Hon. Doug Ford, Premier of Ontario, The Hon. Steve Clark, Minister of Municipal Affairs and Housing; The Hon. Lisa Thompson, Ministry of Agriculture, Food and Rural Affairs, The Hon. David Piccini, Minister of Environment, Conservation and Parks, Bay of Quinte MPP, Todd Smith, the Association of Municipalities of Ontario, the Federation of Canadian Municipalities, and the Eastern Ontario Wardens Caucus.

**CARRIED**

Yours truly,



Catalina Blumenberg, **CLERK**

cc: Mayor Ferguson, Councillor Hirsch, Councillor MacNaughton & Marcia Wallace, CAO

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: 705 329-6140  
Fax: 705 330-4191

Tél. : 705 329-6140  
Télééc.: 705 330-4191

File Reference:

612-10

September 6, 2023

To All OPP-policed Municipalities

Re: Distribution of Police Record Check Revenue to Municipalities

In June 2022, the Ontario Provincial Police (OPP) centralized the police record check process by transferring the responsibility for the process from detachment staff to an Online Police Record Check Unit (OPRCU). The centralization of the police record check process eliminates the need for detachment staff to perform duties associated with the police record checks, with the exception of fingerprinting. This OPRCU has been staffed by reinvesting numerous administrative detachment positions from across the province. The change in staffing at OPP detachment locations will be captured in the overall municipal policing cost-recovery in accordance with the terms set out in *Police Services Act*, Ontario Regulation 267/14.

Historically, the revenue generated from detachment staff completing record checks for municipal residents has been credited back to the applicable municipalities. With the reassignment of the police record check workload to the OPRCU, there will be a gradual reduction of the revenue provided to municipalities, except for the revenue for fingerprinting. Fingerprinting remains a detachment responsibility and, therefore, the revenue for conducting fingerprint services at the detachments will continue to be allocated to municipalities. The gradual reduction of police record check revenue (not related to fingerprinting) will be accompanied by the introduction of some cost savings for municipalities resulting from the impact of reinvesting some detachment positions into the OPRCU. This will provide municipalities with an extended period of time to make appropriate adjustments to any impacted financial plans.

**OPP-policed municipalities will continue to receive police record check revenue in 2023 and 2024.** Commencing in 2025, the revenue will be reduced by 25% per year. In 2028, OPP-policed municipalities will cease to receive police record check revenue associated with police record checks processed by the OPRCU. Municipalities will continue to receive revenue for fingerprinting services provided at the detachment.

The OPP will continue to deliver adequate and effective policing services while focusing on meeting the municipalities' unique policing needs.

Should you have any questions, please email the OPP Municipal Policing Bureau Financial Services Unit at [OPP.Financial.Services.Unit@opp.ca](mailto:OPP.Financial.Services.Unit@opp.ca).

Respectfully,



Phil Whitton Superintendent  
Commander,  
Municipal Policing Bureau

cc OPP Deputy Commissioner Chris Harkins  
OPP Provincial Commander Mary Silverthorn  
A/Inspector Kirsten Buligan, Community Safety Services  
OPP Detachment Commanders

The Corporation of the Municipality of St. Charles  
RESOLUTION PAGE



Regular Meeting of Council

**Agenda Number:** 10.6.  
**Resolution Number** 2023-154  
**Title:** Resolution Stemming from June 21, 2023 Regular Meeting of Council - Item 9.1 - Correspondence #21  
**Date:** July 19, 2023

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**Moved by:** Councillor Laframboise  
**Seconded by:** Councillor Pothier

**WHEREAS** the Federal and Provincial Governments need to support their most vulnerable households, the ones who are or are at risk of becoming homeless. Overall, housing and services for low-income, vulnerable, or marginalized people should be a primary consideration moving forward so we help those who need it the most;

**AND WHEREAS** the Municipality of St.-Charles understands every community across Ontario is impacted by a need for affordable housing and support for people at risk of homelessness. Municipal governments are working in collaboration with all orders of government to invest in permanent solutions to the housing and homelessness crisis in Ontario;

**AND WHEREAS** the Municipality of St.-Charles understands that the Federal National Housing Strategy allocation formula to provinces and territories for jointly funded housing initiatives, roughly follows their share of the national population. This approach leaves Ontario underfunded because, as per the 2021 Census figures, the number of Ontario households in Community Housing Network as a share of the national total is 44.1 percent, which is well above the provincial share of the national population at 38.5 percent. This is also by far the highest share of national Community Housing Network relative to every other province and territories;

**AND WHEREAS** receiving a by-population allocation from the federal government hampers Ontario's ability to reach more of those households in need that require assistance with housing;

**AND WHEREAS** the lack of ongoing federal operating funding for National Housing Strategy initiatives leads to significant underfunding for subsidized housing projects and can undermine the physical and financial viability of the community housing stock;

**AND WHEREAS** a similar situation occurs with federal homelessness funding to Ontario through Reaching Home, where the share allocated to Ontario is also below the provincial share of Community Housing Network nationally;

**AND WHEREAS** there is an inequitable distribution of Reaching Home funding in Ontario as only 25 of 47 Service Managers have designated communities receiving funding under the program, despite the prevalence of need across the entire Province;

**AND WHEREAS** the Municipality of St.-Charles understands the federal government takes the position that its role is to provide capital funding while Provinces and Territories are to fund operating expenses, but this approach does not create an equitable sharing of the burden of funding long- term operating costs, which continue for the life of a project;

**AND WHEREAS** taken altogether, the underfunding to Ontario for housing and homelessness relative to its share of national Canadian Housing Network amounts to approximately \$480 million over the term of the Federal National Housing Strategy;

**AND WHEREAS** the federal government previously provided leadership in ensuring the long-term financial and physical viability of the social housing stock under the Social Housing Agreement for several decades through federal social housing operating agreements that provided funding for both mortgages and operating costs;

**AND WHEREAS** without some flexibility on the part of the federal government, Ontario and its municipalities will be poorly positioned to take advantage of this funding, and this will turn into a significant missed opportunity, leading to a further deterioration in the long-term physical and financial sustainability of the community housing stock;

**BE IT THEREFORE RESOLVED THAT** the Corporation of the Municipality of St.-Charles also supports the provincial ask for federal operating funding for National Housing Strategy initiatives;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles would appreciate the federal effort to repurpose this funding quickly from the main National Housing Co-Investment Fund program line, Service Managers across the province have indicated their challenges with meeting the terms of the federal proposal, particularly as they relate to cost matching and meeting the requirements for greenhouse gas emissions, energy efficiency and accessibility;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles would like need-driven indicators incorporated into the funding allocation formulas for all federal programs;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles appreciates the federal government's commitment to end chronic homelessness and wishes this to be inclusive across all areas of our province by expanding Reaching Home funding to all Service Managers;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles also supports the provincial position in relation to the provinces and territories Repair Fund under the National Housing Co-Investment Fund;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles supports the Province of Ontario position on the application-based \$4 billion federal Housing Accelerator Fund. We wish to emphasize the importance of providing municipalities with maximum support in preparing applications to the HAF, understanding that some rural and northern municipalities may face capacity challenges in applying to this program on the anticipated tight timelines;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles wishes to request that Canadian Mortgage and Housing Corporation consider actions taken by municipalities under the province's Housing Supply Action Plans into account when assessing municipal applications, recognizing that these initiatives have the potential to significantly increase the supply of housing in our communities;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles believes the lack of ongoing federal operating funding for National Housing Strategy initiatives leads to significant underfunding for subsidized housing projects and can undermine the physical and financial viability of the community housing stock;

**AND BE IT FURTHER RESOLVED THAT** the Corporation of the Municipality of St.-Charles believes the federal government should heed the precedent of the Social Housing Agreement and recommit itself to funding operating costs that often stretch out over decades for the lifetime of a housing project. As an example, the Rapid Housing Initiative's 20-year affordability requirement and lack of federal operating dollars will very likely result in housing providers asking Service Managers and the provincial government to fund operating expenses to ensure the long-term affordability of units given housing providers' limited revenue-raising capacity;


**AND BE IT FURTHER RESOLVED THAT** this lack of ongoing federal operating funding for National Housing Strategy initiatives leads to significant underfunding for subsidized housing projects and can

undermine the physical and financial viability of the community housing stock;

**AND BE IT FURTHER RESOLVED THAT the Corporation of the Municipality of St.-Charles urges the Federal Government provide additional funding for Ontario so that we can deal with our shortages of safe and affordable housing and at the same time build safer and healthier communities for all our residents;**

**AND BE IT FURTHER RESOLVED THAT a copy of the Resolution be forward to the individuals listed below for consideration and support, Prime Minister Trudeau; Minister Ahmed Hussen; the local Member of Parliament (MP); Premier Ford; Minister Clark; the local Member of Provincial Parliament (MPP); the Association of Municipalities of Ontario (AMO), and the Federation of Northern Ontario Municipalities (FONOM).**

**CARRIED**

  
MAYOR



June 29, 2023

Hon. Doug Ford  
Premier of Ontario  
Room 4620  
99 Wellesley St. W.,  
Toronto, Ontario M7A 1A1

Via Email: [premier@ontario.ca](mailto:premier@ontario.ca)

Please be advised that at its meeting held on the 27th day of June 2023, the Council of the Township of Selwyn passed the following resolution:

**Resolution No. 2023 – 143 – Notice of Motion – Short-Term Rentals**

Councillor Brian Henry – Councillor John Boyko –

Whereas the demand for alternative accommodations has resulted in an increased prominence of residential properties being advertised for short term accommodations through third party companies such as Airbnb and VRBO; a shift from the ‘traditional’ cottage rental historically managed by a property owner; and

Whereas over the past decade a flood of properties have been removed from the ownership and long-term rental market (*Canada Research Chair in Urban Governance at McGill University*) contributing to housing shortages, increased housing demands and increased housing costs resulting in housing affordability issues, including affordable rentals; and

Whereas short term rentals (STR) can be beneficial, when operated appropriately, by providing solutions for the accommodation industry that supports local tourism and small businesses as well as providing an opportunity for property owners to generate income from their residence (permanent or seasonal) using a convenient third-party system; and

Whereas STR’s can create nuisances including noise, parking, high volumes of visitors attending a property, septic capacity and fire safety, for adjacent residential property owners who wish to experience quiet enjoyment of their property; and

Whereas research indicates that demand for STR’s is increasing, in part due to vacationers choosing domestic travel options as well as the financial benefits to property owners, demonstrating that STR’s are here to stay; and

**Mailing Address**  
PO Box 270  
Bridgenorth  
Ontario K0L 1H0

**Tel:** 705 292 9507  
**Fax:** 705 292 8964

Whereas there are no Provincial regulations in place governing third party STR companies resulting in a variety of regulations/guidelines being implemented at the local municipal level which creates inconsistencies, confusion and frustrations for both consumers and residents across the Province;

That the Township of Selwyn request that the Province move forward as soon as possible to legislate that all third party Short Term Rental brokerage companies, for example Airbnb and VRBO, appropriately manage and be responsible for their listings and to compel compliance that the Province establish the requirement for STR companies to require each rental listing to be registered and to pay an appropriate annual fee and that STR company provide this registry along with the collected fees to the municipality in which the STR properties are located which allows the municipality to be aware of all registered STR properties and to have access to funds for municipal expenses to enforce/respond to issues at a STR property; and further

That the Province require the STR company to de-list/remove the property from the company's listings so that the property cannot be rented where a municipality has identified and verified life, health and/or nuisance infractions including noise, fire safety, septic, etc...

That a copy of this resolution be sent to all Ontario municipalities for support as well as to Minister of Municipal Affairs and Housing Steve Clark, local M.P.P. Dave Smith and M.P. Michelle Ferreri.

Carried.

If you have any questions, please do not hesitate to contact us.

Sincerely,

*Megin Hunter*

Megin Hunter  
Office Assistant/Receptionist  
mhunter@selwyntownship.ca

cc: steve.clark@pc.ola.org  
michelle.ferreri@parl.gc.ca  
dave.smithco@pc.ola.org  
All Ontario Municipalities

**MTO/OSTC Bi-weekly Meeting Minutes**  
Wednesday August 9, 2023

**Attendees:**

Township of Pelee: Mayor Cathy Miller, Deputy Mayor Dayne Malloch, Township  
Interim Clerk Mary Masse  
OSTC: Emma Nolan, Carl Kuhnke  
MTO: Geoffrey Gladdy Director West Operations, Connor Byrne

- 1) **Current Operational Reports and Needs:**
  - How have things been running since the last meeting two weeks ago?

Emma reported that there were a few days where bowrider was not operating which required the cancellation of one trip. Scheduling and use of the ferry has been busy

Carl – responded to concerns regarding booking a ferry and noted the reservations system is as good as it can be. He indicated that more clarification and information will be provided on the website to make it clearer that “if you can’t book, its because ship is full”

Geoff – need further consideration for residents on the island and those doing business on the island.

Carl – can review in off season, bookings will continue to be a struggle until capacity is resolved i.e., 3 years from now.

Emma – when cancellations arise priority is given for those who need to get home to the island.

Mayor – access to space on the ferry is a contentious issue and suggests having a roundtable discussion first regarding prioritized scheduling in order to avoid creating divisive protocols for residents.

Carl indicated that the Deputy Minister now knows ins and outs of both ships after the tour held on August 22, 2023.

Emma announced that departures on Monday morning will now be scheduled for 11:00 am as opposed to 10 starting in the fall in order to allow adequate time for fuelling the vessel and to avoid having passengers wait longer than necessary to board.

The Mayor advised of the urgency to move commodities off the island and questioned whether dedicated agriculture specific runs could be added to the schedule in the next few weeks to alleviate interference with regular customers/visitors.

Emma responded that specific agriculture customers have been booked since February.

Carl indicated they will look at the bookings for September and determine if there is a need to add ferry service dedicated to ag equipment. The added ferry service will be subject to the availability of crew and overtime offering in accordance with the safe manning requirements through Transport Canada.

- 2) **Dredging updates**

Connor – dredging continues, some delays have been experienced however noted the scheduled project should be finished by the 10<sup>th</sup> of September. Additional dredging may take place up until Oct 1<sup>st</sup> if possible

Mayor questioned concerns raised regarding a farm drain being blocked from the dredging work. Connor responded that OSTC and MTO were made aware of the situation by a greenhouse operator regarding an intake pipe and changes were made in order to avoid depositing in that identified area.

### 3) Upcoming meetings and planning needs: 11 SEP 2023 request

Geoffrey advised that the meeting will include the Mayors of Pelee, Leamington and Kingsville, Ministry representatives and the Minister's Office. He is awaiting confirmation for the September 11<sup>th</sup> meeting and indicated he will talk with Mayor Miller separately to set up the agenda.

### 4) MTO staffing updates

Franca Sachetti will be filling in for Geoffrey as he takes on a new role with MTO.

Carl is attending Ferries conference in September, will gather further information about the BC Ferries transition and will report back to MTO. The 10-year plan for the ferry service to Pelee is complete and submitted tomorrow.

Geoff indicated that MTO reps will be at the conference as well

Mayor questioned whether any capacity changes are included in the 10-year plan

Carl advised that overall, a price tag of 7 – 10 million is included in the plan for improvements.

Geoff suggested the ferry needs are getting focused attention

The Mayor stressed the importance of considering agriculture specific runs and the importance of ensuring the Pelee Island II vessel is operational and in full service for April 1, 2024.

Carl and Emma responded that the vessel is in good shape and there is no scheduled work to the ship that would interfere with the spring 2024 start.

## **1. Future Items of Discussion**

- A. ROMA request on financial options: updates pending
- B. Golf Cart pilot project: Transportation Safety Division: updates pending
- C. Further port improvement planning including discussions with CBSA about its facilities: SEP 2023

Township of Pelee  
**List of Accounts for Approval**  
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Payment #	Date	Vendor Name	Reference	Payment Amount
<b>Bank Code: General - General Bank Account</b>				
Computer Cheques:				
6214	8/18/2023	D & T Auto Parts	Diesel Exhaust Fluid	218.32
6215	8/18/2023	Pitney Bowes	Ink/Postage	3,477.88
6216	8/18/2023	Purolator Courier Ltd.	Water Testing Shipping	54.39
6217	8/18/2023	Rentokil Canada Coporation	Pest Control	254.25
6218	8/18/2023	Sausage Dog Promo Co.	Concessions/Supplies	7,874.39
6219	8/18/2023	Employee Reimbursement	Concessions/Supplies	120.86
6220	8/21/2023	Employee Reimbursement	Concessions/Supplies	745.32
6221	8/21/2023	Cori Arts, LLC	Concessions	148.00
6222	8/21/2023	H.R. Desa Enterprises Ltd.	Bait	452.00
6223	8/21/2023	Minister of Finance	OPP LSR	12,406.00
6224	8/23/2023	Leamington Sanitation	Septic Office	254.25
6225	8/23/2023	Total Source Contracting	Victoria Road Drain Maint.	30,309.44
6226	8/23/2023	WFS Ltd.	Coupler	80.07
6227	8/30/2023	Barrette's Small Engines	Water Pump	621.49
6228	8/30/2023	Employee Reimbursement	Mileage	13.60
6229	8/30/2023	Fireservice Management Ltd	Wash/Repair Fire Suits	311.03
6230	8/30/2023	JBK Trucking	Water Testing	28.25
6231	8/30/2023	Employee Reimbursement	Mileage/Ferry	433.96
6232	8/30/2023	Purolator Courier Ltd.	Water Testing Shipping	32.12
6233	8/30/2023	WM Maxey	Firewood	226.00
6234	8/30/2023	WSP Canada Inc.	TS Monitoring Program	6,780.00
6235	9/05/2023	Employee Reimbursement	Concessions	225.92
6236	9/05/2023	D & T Auto Parts	Oil	104.60
6237	9/05/2023	Purolator Courier Ltd.	Water Testing Shipping	31.11
6238	9/05/2023	Richard Galloway	Install new toilet/plumbing	150.00
6239	9/05/2023	Software N Systems Computing	Upgrade Server	310.75
6240	9/05/2023	WM Maxey	Firewood	113.00
6241	9/07/2023	Bondy Auto & Truck Centre	Annuals	11,711.08
6242	9/07/2023	Laser Art Inc.	Township of Pelee Sign	77.41
6243	9/07/2023	McTague Law Firm	Legal Admin	395.50
6244	9/07/2023	Michelle Feltz	Emergency Flood Diesel	4,864.50
6245	9/07/2023	Osler,Hoskin & Harcourt LLP	Broadband Legal	32,313.48
6246	9/07/2023	Xerox Canada Ltd.	Alta C8145	226.35
6247	9/08/2023	Dowler-Karn	Tank Rental	226.00
6248	9/08/2023	Pelee Art Works	Flags	138.00
6249	9/08/2023	Public Safety Services	Radio Airtime	457.34
6250	9/08/2023	Sausage Dog Promo Co.	Concessions / Clothes Racks	131.08
6251	9/08/2023	Employee Reimbursement	Concessions	78.92
6252	9/08/2023	Truax Lumber and Building	Supplies	322.04
6253	9/12/2023	Bell Canada	Watt Line	14.04
6254	9/12/2023	Bell Canada Public Access	Airport Phone	56.50
6255	9/12/2023	Purolator Courier Ltd.	Water Testing Shipping	31.11
6256	9/12/2023	Rentokil Canada Coporation	Pest Control	463.30
6257	9/12/2023	Xerox Canada Ltd.	B405DN Printer	37.40
6258	9/19/2023	1950148Ontario Ltd	Staff	668.96
6259	9/19/2023	Delage Landen Financial Serv.	Back Copier/Printer Lease	309.09

## Township of Pelee

Report Date

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Payment #	Date	Vendor Name	Reference	Payment Amount
6260	9/19/2023	Economy Rental Centre	Straight Shaft Trimmer	666.69
6261	9/19/2023	Employee Reimbursement	Mileage/Boots	309.84
6262	9/19/2023	Morton Wholesale	Concessions	409.85
6263	9/19/2023	Owen Sound Transportation	Freight	167.23
6264	9/19/2023	Purolator Courier Ltd.	Water Testing Shipping	33.76
6265	9/19/2023	WM Maxey	Firewood	254.25
6266	9/20/2023	Bondy Auto & Truck Centre	1992 Spartan Annual	4,933.72
6267	9/20/2023	Busch Systems Int'l Inc.	Public Garbage Containers	2,842.94
6268	9/20/2023	Goodreau Excavating Ltd.	Canal Brush Removal	20,340.00
6269	9/20/2023	Employee Reimbursement	Postage	22.68
6270	9/20/2023	WFS Ltd.	Coupler	23.44
Other:				
2023-Man	8/21/2023	Southwestern Sales Corporation	Gravel	270.57
20234-Man	8/18/2023	Receiver General	Source Deductions	29,502.03
2023425-Man	8/17/2023	Bell Conferencing Inc.	Conference Line	33.90
2023426-Man	8/17/2023	Bell Mobility	Cellphones/Wifi	410.17
2023427-Man	8/18/2023	Reliance Home Comfort	Water Heater	130.71
2023428-Man	8/18/2023	Collabria VISA	Various Depts	1,351.76
2023429-Man	8/21/2023	OMERS	Monthly Remittances	6,939.34
2023431-Man	8/21/2023	Southwestern Sales Corporation	Cold Patch	1,780.00
2023432-Man	8/21/2023	Southwestern Sales Corporation	Gravel	551.90
2023433-Man	8/21/2023	Southwestern Sales Corporation	Gravel	277.08
2023434-Man	8/21/2023	Southwestern Sales Corporation	Gravel	280.83
2023435-Man	8/21/2023	Dawn Bezaire	Concessions	540.00
2023436-Man	8/23/2023	Grand & Toy	Supplies	387.99
2023437-Man	8/23/2023	Grand & Toy	Supplies	172.17
2023438-Man	8/23/2023	Grand & Toy	Supplies	53.10
2023439-Man	8/23/2023	Grand & Toy	Supplies	307.48
2023440-Man	8/23/2023	Grand & Toy	Supplies	599.61
2023441-Man	8/23/2023	Grand & Toy	Supplies	103.51
2023442-Man	8/23/2023	Grand & Toy	Supplies	677.93
2023443-Man	8/22/2023	Bell Canada	Campground	143.90
2023444-Man	8/23/2023	OMERS	Monthly Remittances	12,710.38
2023445-Man	8/28/2023	Green Shield Canada	Benefits	6,815.32
2023446-Man	8/28/2023	Green Shield Canada	Benefits	8,249.68
2023447-Man	8/29/2023	Grand & Toy	Supplies	782.77
2023448-Man	8/30/2023	Pelee Island Co-Op	Diesel	10,033.70
2023449-Man	9/05/2023	Pelee Island Co-Op	Credit	44,961.16
2023450-Man	9/01/2023	New World Park Solutions Inc.	CCRF Playground	79,734.94
2023451-Man	9/06/2023	Southwestern Sales Corporation	Gravel	273.32
2023452-Man	9/06/2023	Southwestern Sales Corporation	Gravel	275.08
2023453-Man	9/06/2023	OMERS	Monthly Remittances	5,972.12
2023454-Man	9/07/2023	Southwestern Sales Corporation	Cold Patch	1,743.09
2023455-Man	9/07/2023	Grand & Toy	Supplies	119.49
2023456-Man	9/07/2023	GFL Environmental Inc.	Bin Rental / Removal	11,237.25
2023457-Man	9/07/2023	GFL Environmental Inc.	Bin Rental / Removal	13,835.21
2023458-Man	9/07/2023	Hach Sales & Services	Annual Maintance	7,759.71
2023459-Man	9/07/2023	Caduceon Enterprises Inc.	West Coliforms	161.50

## Township of Pelee

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Payment #	Date	Vendor Name	Reference	Payment Amount
2023460-Man	9/07/2023	Caduceon Enterprises Inc.	East Sampling	39.96
2023461-Man	9/07/2023	Caduceon Enterprises Inc.	PIPS Sampling	39.96
2023462-Man	9/07/2023	Workplace Safety &	WSIB 2nd Quarter	5,836.63
2023463-Man	9/08/2023	Collabria VISA	Various Departs	737.71
2023464-Man	9/11/2023	Bell Mobility	Cellphones/Wifi	439.39
2023465-Man	9/11/2023	Bell Canada	Roads	136.62
2023466-Man	9/11/2023	Bell Canada	TS	86.36
2023467-Man	9/11/2023	Bell Canada	Farm	86.36
2023468-Man	9/11/2023	Bell Canada	Marina	235.97
2023469-Man	9/11/2023	Bell Canada	Office	429.36
2023470-Man	9/11/2023	Bell Canada	CM	95.80
2023471-Man	9/11/2023	Bell Canada	WSW	146.06
2023472-Man	9/11/2023	Bell Canada	Big Marsh (W)	86.36
2023473-Man	9/11/2023	Bell Canada	Big Marsh (N)	86.36
2023474-Man	9/11/2023	Bell Canada	Office Emerg Line	67.21
2023475-Man	9/11/2023	Bell Canada	Airport	86.36
2023476-Man	9/11/2023	Bell Canada	Office Fax	63.82
2023477-Man	9/11/2023	Hydro One Networks Inc.	EMS/CLINIC	664.21
2023478-Man	9/11/2023	Hydro One Networks Inc.	Street Lights	258.30
2023479-Man	9/11/2023	Hydro One Networks Inc.	TS	55.46
2023480-Man	9/11/2023	Hydro One Networks Inc.	Office	367.11
2023481-Man	9/11/2023	Hydro One Networks Inc.	WWS	649.24
2023482-Man	9/11/2023	Hydro One Networks Inc.	Roads	98.14
2023483-Man	9/11/2023	Hydro One Networks Inc.	Airport	99.04
2023484-Man	9/11/2023	Hydro One Networks Inc.	Marina Docks	389.83
2023485-Man	9/11/2023	Hydro One Networks Inc.	Marina Office	462.57
2023486-Man	9/11/2023	Hydro One Networks Inc.	Bonnett Building	38.75
2023487-Man	9/11/2023	Hydro One Networks Inc.	Campground	497.77
2023488-Man	9/11/2023	Hydro One Networks Inc.	CM	419.94
2023489-Man	9/11/2023	Hydro One Networks Inc.	Farm	72.10
2023490-Man	9/11/2023	Hydro One Networks Inc.	West Washroom	69.89
2023491-Man	9/11/2023	Hydro One Networks Inc.	BM(N)	156.56
2023492-Man	9/11/2023	Hydro One Networks Inc.	BM(W)	797.37
2023493-Man	9/11/2023	Hydro One Networks Inc.	EWS	165.09
2023494-Man	9/12/2023	Pollard Distribution Inc.	Dustmaster 20	14,842.55
2023495-Man	9/12/2023	Southwestern Sales Corporation	Gravel	288.34
2023496-Man	9/08/2023	Sun Life Financial	Sun Life Monthly Bill	854.80
2023497-Man	9/15/2023	Dawn Bezaire	Concessions	390.00
2023498-Man	9/18/2023	Bell Conferencing Inc.	Conference Line	33.90
2023499-Man	9/20/2023	Collabria VISA	Various Depts	1,420.49
2023500-Man	9/05/2023	IT International Telecom	Payment #1	1,539,712.01
<b>Total for General:</b>				<b>1,968,985.95</b>

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Payment #	Date	Vendor Name	Reference	Payment Amount
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Certified Correct This September 21, 2023

\_\_\_\_\_  
Mayor, Catherine Miller

\_\_\_\_\_  
Treasurer, Michelle Feltz





## DESTINATION DEVELOPMENT COMMITTEE MEETING

### MINUTES

WEDNESDAY, AUG 16, 2023  
5:00PM

#### In Person at East Park Pavilion

Members of Committee: Mayor Cathy Miller  
Alyssa Dreiman-Staples  
Melissa Malloch  
Danielle Truax via phone

Members of Administration: Administrative Assistant Cassie Hamill

Others Present: Members of the Public

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#### 1. CALL TO ORDER

Mayor Cathy Miller called the Destination Development Committee Meeting to order at 5:01 p.m. with all members present.

#### 2. AMENDMENTS TO THE AGENDA

There were no amendments to the agenda.

#### 3. DISCLOSED OF PECUNIARY INTEREST

There were no disclosures of interest.

#### 4. CONFIRMATION OF PREVIOUS MINUTES

##### Resolution 2023-DD04

Moved By: Alyssa Dreiman-Staples

Seconded By: Melissa Malloch

That the June 21, 2023 Destination Development Committee Minutes BE ADOPTED.

**CARRIED**

## **5. REPORTS/DISCUSSIONS**

### **A. Implementation Plan Review**

#### **i. 2023 Annual Schedule of Regular Meetings**

Administrative Assistant Cassie Hamill presented the proposed Schedule of Regular Meetings.

#### **Resolution 2023-DD05**

**Moved By: Alyssa Dreiman-Staples**

**Seconded By: Melissa Malloch**

**That the report from the Administrative Assistant – 2023 Annual Schedule of Regular Meetings with the change of October 18 be looked into BE ADOPTED.**

**CARRIED**

#### **ii. Tourism Asset Inventory**

Mayor Cathy Miller discussed the changes on the Tourism Asset Plan. Additional changes and deletions were made by committee members.

#### **iii. Spring and Fall Business Owner Forums – Planning**

Mayor Cathy Miller discussed the Spring and Fall Business Owner Forums and asked for volunteers to set up a public meeting for businesses on the island. Danielle Truax and Alyssa Dreiman-Staples volunteered.

#### **iv. Pelee.org Tourism Section Audit**

Mayor Cathy Miller discussed that the pelee.org needed to be updated and asked for the members to come back with suggestions for changes or items to be added.

## **6. NOTICES OF MOTION**

There were no notices of motion.

## **7. UNFINISHED / NEW BUISNESS**

### **A. Funding Advisory Committee Grant Summary Report**

Mayor Cathy Miller presented the Funding Advisory Committee Grant Summery Report. The Committee directs administration to move forward with the Marina Suggestion.

### **B. Visitor Education**

Committee discussed that the Kiosk on the ferry should be utilized to help provide as much information as possible about the island. They also discussed the island needs a new website that can educate visitors as well.

## **8. RECOGNITIONS AND ANNOUNCEMENTS**

### **A. Member Resignation**

Cathy Miller announced the resignation of Councilor Sherri Smith.

## **9. ADJOURNMENT**

Destination Development Committee Meeting adjourned at 6:05 p.m.

Originals Signed By:

**Catherine Miller,  
Mayor**

Originals Signed By:

**Cassie Hamill,  
Administrative Assistant**



[admin@erca.org](mailto:admin@erca.org)

Phone 519-776-5209

Fax 519-776-8688

360 Fairview Avenue West

Suite 311, Essex, ON N8M 1Y6

Wednesday, August 30, 2023

**Sent via email:**

Attention: Municipal Council Clerks (for distribution)

Town of Amherstburg

Town of Essex

Town of Kingsville

Town of LaSalle

Municipality of Leamington

Municipality of Lakeshore

Township of Pelee

Town of Tecumseh

City of Windsor

Ministry Environment, Conservation Parks

Environment and Climate Change Canada

Ontario Greenhouse Vegetable Growers

Municipal Council Members, MECP, ECCC, OGVG

**Re: Expanding greenhouse sector in Essex County, ON and downstream water quality degradation. Kingsville Leamington Nutrient Project 2012-2022**

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The attached report is a comprehensive review of a decade of water quality data collected in watercourses primarily in Leamington and Kingsville. This work was funded through Canada-Ontario Agreements with the MECP. The study began in 2012 with the selection of several similar stream locations that were either greenhouse influenced (greenhouse infrastructure upstream of the sampling location) or non-greenhouse influenced (no greenhouse infrastructure upstream of the sampling location). A peer-reviewed publication in 2017 using data from this program collected between 2012 and 2016 showed that phosphorus concentrations were over 20 times higher in greenhouse influenced streams than in non-greenhouse influenced streams.

Since that publication, the program has been enhanced to include event-based sampling to capture nutrient loss during storm runoff events. Now, with a decade of data and this enhanced sampling, the attached reports shows that greenhouse influenced streams continue to have higher concentrations than non-greenhouse influenced streams. We have also shown that the disparity in concentrations is

August 30, 2023

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highest during the summer months when greenhouse fertigation practices are in place. In a typical agricultural stream, nutrient concentrations are highest during storm events in the winter months when the ground is bare, and surface run-off is highest. In the greenhouse influenced streams, the highest concentrations occur during baseflow conditions in the summer months, with storm events acting to dilute concentrations, which is typical in watercourses with a continuous point source. Lastly, the greenhouse sector is expanding northward on Highway 77 in Leamington, which is in the headwaters of the Ruscom River. Our monitoring has shown a significant increase in nutrient concentrations in this watershed since these greenhouses were built.

The Essex Region Conservation Authority Board of Director's received this report at their meeting on August 3, 2023, at which time they requested that the report be provided to all member municipalities and the Ministry of the Environment Conservation and Parks. The report is also being provided to Environment and Climate Change Canada and the Ontario Greenhouse and Vegetable Growers and can be found on ERCA's [website](#).

Should you require further information, please contact me by email at [kstammler@erca.org](mailto:kstammler@erca.org) or by phone at 519-981-4184

Regards,



Katie Stammler, PhD  
Water Quality Scientist and Source Water Protection Project Manager

**Attachments:**

- Expanding greenhouse sector in Essex County, ON and downstream water quality degradation: Kingsville Leamington Nutrient Project 2012 – 2022 with Appendix 1

## Kingsville Leamington Nutrient Project – Appendix I

The information in this Appendix accompanies the report entitled 'Expanding greenhouse sector in Essex County, ON and downstream water quality degradation. Kingsville Leamington Nutrient Project 2012-2022', prepared by the Essex Region Conservation Authority.

### Location and Watershed Information

Most sites are located in watersheds within the municipal boundaries of Leamington or Kingsville, ON (**Table 1**). The project began in 2012 with 14 sites (n=6 non-greenhouse and n=8 greenhouse influenced streams). Over the course of the project, some new sites have been added and while most site locations have remained unchanged, others were relocated or paused for various reasons. Additional sites have been added to capture areas with rapid greenhouse expansion. Detailed explanations of changes to site locations are provided below Table 1.

**Table 1** - Site Locations, number of samples (routine only), start and end year

Station	Watershed	Latitude	Longitude	#Samples	Start Year	End Year
<b>KLN 01</b>	Mervin Drain	42.09509217	-82.44677234	193	2012	2022
<b>KLN 02</b>	West Two Creek	42.092435	-82.47368882	181	2012	2022
<b>KLN 03</b>	Muddy Creek	42.08044604	-82.489164	179	2012	2022
<b>KLN 04*</b>	Lebo Creek	42.07160897	-82.52361325	190	2012	present
<b>KLN 05*</b>	Sturgeon Creek	42.03251495	-82.56494839	109	2012	2018
<b>KLN 05_ISCO*</b>	Sturgeon Creek	42.04550468	-82.57462577	107	2017	present
<b>KLN 06*</b>	Judson Morse Dr.	42.0380794	-82.64175372	149	2012	2022
<b>KLN 07*</b>	Rawley Drain	42.03893125	-82.64515849	151	2012	2022
<b>KLN 09*</b>	Esseltine Drain	42.03971488	-82.66140445	138	2012	2022
<b>KLN 10*</b>	Albert Gunning	42.03986054	-82.67677621	191	2012	2022
<b>KLN 11*</b>	Lane Drain	42.03791072	-82.69485904	199	2012	present
<b>KLN 12*</b>	Mill Creek	42.02785472	-82.74209475	115	2012	2018
<b>KLN 12_ISCO*</b>	Mill Creek	42.0397062	-82.74415565	105	2017	present
<b>KLN 12B*</b>	Mill Creek	42.0473855	-82.72329574	97	2016	present
<b>KLN 13</b>	Wigle Creek	42.05323839	-82.75953053	190	2012	present
<b>KLN 14</b>	Cedar Creek	42.05372186	-82.85539568	85	2012	2016
<b>KLN 14B</b>	Cedar Creek	42.05433135	-82.86723495	119	2016	2022
<b>KLN 15</b>	Dolson Creek	42.00552532	-82.84038613	188	2012	2022
<b>RR 07*</b>	Ruscom River	42.172077	-82.604717	37	2020	present
<b>RR 08</b>	Ruscom River	42.181312	-82.653625	39	2020	present

\*indicates greenhouse influence



- KLN 14 was relocated to a site further west in 2016. The original site was on a very small roadside drain that was frequently dry. The new site is within the main western branch of Cedar Creek.
- KLN 12B was added in 2016 to capture water quality immediately downstream of greenhouse expansion. There has been some drain maintenance and construction at this site that has altered the shape of the channel and caused short periods of limited access.
- Prior to installation of ISCO autosamplers in 2017, engineering studies were conducted in Sturgeon Creek, Lane Drain and Mill Creek to ensure that site locations were far enough upstream to be away from the backwater influence of Lake Erie. This resulted in the relocation of the Sturgeon Creek (KLN 05 to KLN 05\_ISCO) and Mill Creek (KLN 12 to KLN 12\_ISCO) sites further upstream. This allows for more reliable load calculations.
- On August 26, 2021 there was an explosion in the town of Wheatley due to a gas leak. As a result, access to KLN 02 was blocked due to ongoing safety concerns for several months. Sampling resumed March 22, 2022, once access to the site was deemed safe.
- Sampling at KLN 09 ceased February 4, 2020 due to construction. Sampling resumed June 20, 2022. It should be noted that the streambed and banks have undergone significant alteration with the addition of concrete blocks to the stream bed and erosion control to the banks.
- In October 2020 additional sampling locations were added to routine monitoring in the Ruscom watershed to capture the growth of the greenhouse sector northward. RR 07 is located in the east branch of the Ruscom River where expansion of the greenhouse sector is growing at a fast rate. RR 08 is located in the west branch of the Ruscom River where the land use remains largely field agriculture. These sites were sampled every two weeks, and there is a level logger at RR 07.
- This report includes data collected up to September 30, 2022 (at the end of water year 2021/2022). As of March 2023, sampling has ceased at nine locations due to a loss of funding. Two of the sites are also sampled for PWQMN so they will continue once a month (KLN14B and KLN 03) through that program, four of the sites would likely be discontinued anyway (KLN 01 and KLN 02 are non-greenhouse sites with no observable trends in 10 years of data; KLN 06 and KLN 07 are sites with very small watersheds), leaving three sites that we would like to sample but aren't able to at this time (KLN 15, KLN 09 and KLN 10).
- Sampling has been reduced to once a month at KLN 04, KLN 05\_ISCO, KLN 11, KLN 12B, KLN 12\_ISCO, KLN 13, RR 07 and RR 08 as of April 2023



Watershed delineations were refined in 2018 using up to date drainage networks and improved digital elevation models (DEM). These new watershed delineations are integrated into ERCA's mapping tools (**Figure 1**). In addition, the upstream watershed delineation for each sampling location was delineated (**Figure 2**).



**Figure 1** – Original watershed delineations (top) and refined watershed delineations (bottom)



**Figure 2** – Upstream watershed delineations for sampling locations





In addition, each of the watersheds was intersected with available GIS layers to provide a physical description and comparison of land use, soil, surficial geology and topography. All watersheds have similar typical climate with average temperatures of 9.7-10.0°C and average precipitation of 834-840mm. However, individual storm systems can be highly localized. All watersheds have <10% natural area and most watersheds are >60% agriculture with typically <15% built up area. Exceptions to these occur in watersheds that are within Leamington (KLN 5\_ISCO, KLN 6 – 10) or Kingsville (KLN 12\_ISCO and KLN 12B) where there are more residential areas (**Table 2**). Additionally, we have provided summaries of surficial geology (**Table 3**) and soil (**Table 4a and 4b**) characteristics for each watershed.

#### Data Sources:

Watershed Area	Delineations are outputs of ArcHydro using 0.5m Lidar-Derived DEM (MNRF 2017) hydro-corrected with current ERCA drain linework. Compiled by ERCA 2018.
Elevation	Based on extent of watershed area, elevations from lidar derived DEM, MNRF 2017. Converted to CGVD28 by ERCA.
Land use	SOLRIS v 3.0 (MNRF 2019). The data covers the date ranges from 2000-2015.
Soil	Mapped by Agriculture and AgriFood Canada. Surveyed 1939, published 1949. Scale 1:63,360.
Surficial Geology	Surficial Geology of Southern Ontario MRD128-REV. Ontario Geological Survey (author). The data used in generating the map was derived from Quaternary maps, primarily at a scale of 1:50 000, completed by the OGS and Geological Survey of Canada (GSC) for most of southern Ontario over the past 40 years.
Annual Mean Temperature & Annual Precipitation	The data source is <a href="#">Environment Canada historic normal data from 1981 – 2010</a> in an 8.2-kilometre cell resolution raster. The median of the cell values is reported if 20 or more cells fall within the watershed. The mean of the cell values is reported if less than 20 cells fall within the watershed. Figure calculated using the <a href="#">Ontario Water Information Tool watershed characterization</a> .



**Table 2** – Watershed size, topography and land use

Site	Area (km)	Topography			Land Use		
		Max Elevation (m)	Min Elevation (m)	Fall (m)	% Natural	% Built up	% Agriculture and Rural
<b>KLN 01</b>	3.4	187.9	174.8	13.1	7.4	13.2	79.3
<b>KLN 02</b>	13.0	192.0	176.0	16.0	1.3	2.3	96.5
<b>KLN 03</b>	4.1	190.1	177.9	12.3	3.5	6.0	90.5
<b>KLN 04*</b>	22.3	203.2	177.9	25.3	5.1	8.8	86.1
<b>KLN 05_ISCO*</b>	15.5	230.6	176.3	54.2	7.1	33.0	59.8
<b>KLN 06*</b>	0.8	217.8	187.9	29.9	1.7	58.9	39.2
<b>KLN 07*</b>	0.6	217.5	189.0	28.5	2.8	63.3	33.3
<b>KLN 09*</b>	2.6	228.3	186.2	42.1	6.5	28.2	65.1
<b>KLN 10*</b>	1.1	205.4	189.3	16.1	5.3	35.6	58.8
<b>KLN 11*</b>	7.3	205.0	189.7	15.3	4.2	23.1	72.7
<b>KLN 12_ISCO*</b>	13.1	205.0	181.8	23.3	6.9	18.4	74.6
<b>KLN 12B*</b>	4.1	202.0	190.1	12.0	5.6	13.5	80.9
<b>KLN 13</b>	10.8	205.5	186.2	19.3	9.4	6.3	84.4
<b>KLN 14B^</b>	57.7	213.1	178.1	35.0	8.9	7.3	83.8
<b>KLN 15</b>	7.3	197.2	174.9	22.3	8.4	3.5	88.0
<b>RR 07*</b>	8.9	196.1	183.4	12.7	0.4	4.6	95.0
<b>RR 08^</b>	42.7	227.6	182.4	45.16	8.3	5.0	86.7

\*indicates greenhouse influence

^KLN 14B and RR 08 do contain some small greenhouses. However, because of the larger size of these watersheds, the percent areal coverage is negligible.

**Table 3** – Percentage of watershed with different permeability rates based on surficial geology material

Site	High	Medium	Low	Variable
<b>KLN 01</b>	3.5		89.8	6.7
<b>KLN 02</b>	0.5		98.9	0.7
<b>KLN 03</b>	0.3		99.7	
<b>KLN 04*</b>	2.4	13.1	83.9	0.6
<b>KLN 05_ISCO*</b>	98.0			2.0
<b>KLN 06*</b>	100.0			
<b>KLN 07*</b>	97.8		2.2	
<b>KLN 09*</b>	63.7		32.7	3.6
<b>KLN 10*</b>	0.6		99.4	
<b>KLN 11*</b>	47.4		52.6	
<b>KLN 12_ISCO*</b>			98.0	2.0
<b>KLN 12B*</b>			100.0	
<b>KLN 13</b>			99.3	0.7
<b>KLN 14B</b>	2.5		96.8	0.7
<b>KLN 15</b>	43.5		56.5	
<b>RR 07*</b>			100.0	
<b>RR 08</b>	23.3		76.7	



**Table 4a** – Soil characteristics – Percentage of watersheds with different infiltration rates and runoff potential

Site	Low runoff / high infiltration	Slow infiltration	High runoff / very slow infiltration	Bottom Land	Muck	Not mapped
<b>KLN 01</b>	0	48.3	41.1			10.7
<b>KLN 02</b>	0	0	99.2	0.8		
<b>KLN 03</b>	0	24.2	75.8			
<b>KLN 04*</b>	0.7	32.9	65.6	0.8		
<b>KLN 05_ISCO*</b>	37.9	53.8	2.3	2.7	3.4	
<b>KLN 06*</b>	42.9	42.1		1.9	13.1	
<b>KLN 07*</b>	42.6	42.5		6	8.9	
<b>KLN 09*</b>	36.7	32.9		0.3	30.1	
<b>KLN 10*</b>	69.7	1.6		27.6	1.1	
<b>KLN 11*</b>	29.2	58.6		4.5	7.7	
<b>KLN 12_ISCO*</b>	60.5	35.8		2.3	1.5	
<b>KLN 12B*</b>	7.1	50		3.2	39.6	
<b>KLN 13</b>	2.3	15.3	81.5	0.9		
<b>KLN 14B</b>	17.9	22.4	59.7	0.1		
<b>KLN 15</b>	34.8	60.5	0.5	2.3	1.8	
<b>RR 07*</b>		0.5	99.5			
<b>RR 08</b>	13.7	32.6	53.8			

\*indicates greenhouse influence

**Table 4b** – Soil characteristics – Percentage of watersheds with different soil drainage characteristics

Site	Rapid	Well	Imperfect	Poor	Very Poor	Bottom Land	Not Mapped
<b>KLN 01</b>			48.3	41.1			10.7
<b>KLN 02</b>				99.2		0.8	
<b>KLN 03</b>				100			
<b>KLN 04*</b>	0.7			98.5		0.8	
<b>KLN 05_ISCO*</b>		37.9		56.1	3.4	2.7	
<b>KLN 06*</b>		42.9		42.1	13.1	1.9	
<b>KLN 07*</b>		42.6		42.5	8.9	6	
<b>KLN 09*</b>		36.7		32.9	30.1	0.3	
<b>KLN 10*</b>		69.7		1.6	1.1	27.6	
<b>KLN 11*</b>		29.2		58.6	7.7	4.5	
<b>KLN 12_ISCO*</b>		60.5		35.8	1.5	2.3	
<b>KLN 12B*</b>		7.1		50	39.6	3.2	
<b>KLN 13</b>		2.3		96.8		0.9	
<b>KLN 14B</b>		17.9		82.1		0.1	
<b>KLN 15</b>		34.8		61	1.8	2.3	
<b>RR 07*</b>				100			
<b>RR 08</b>	0.5	13.2		85.8	0.6		

\*indicates greenhouse influence

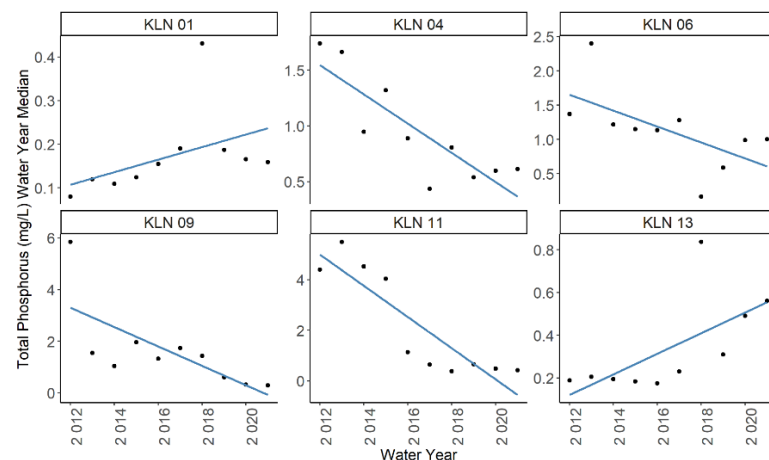
## Water Quality Analyses

Mann-Kendall trend tests, performed in RStudio using the ‘trend’ package, were used to determine whether significant monotonic trends occurred in annual median concentrations for each parameter from 2012-2022 at each site (**Tables 5 and 6 and Figures 3 and 4**).

**Table 5** – Results of Mann-Kendall trend test on annual median TP concentration from 2012-2022 for sites with at least 8 years of data. Where there are significant trends in annual median concentration they tend to be increasing in non-greenhouse and decreasing in greenhouse influenced streams.

Site	S	p-value	Trend
<b>KLN 01</b>	25	0.032	Statistically significant evidence of an increasing trend $p < 0.05$
<b>KLN 02</b>	15	0.211	No trend
<b>KLN 03</b>	15	0.211	No trend
<b>KLN 04*</b>	-29	0.012	Statistically significant evidence of a decreasing trend $p < 0.05$
<b>KLN 05_ISCO*</b>	3	0.707	Insufficient data for trend analysis (6 water years)
<b>KLN 06*</b>	-25	0.032	Statistically significant evidence of a decreasing trend $p < 0.05$
<b>KLN 07*</b>	-6	0.653	No trend $p > 0.05$
<b>KLN 09*</b>	-29	0.012	Statistically significant evidence of a decreasing trend $p < 0.05$
<b>KLN 10*</b>	3	0.858	No trend $p > 0.05$
<b>KLN 11*</b>	-33	0.004	Statistically significant evidence of a decreasing trend $p < 0.05$
<b>KLN 12_ISCO*</b>	-9	0.133	Insufficient data for trend analysis (6 water years)
<b>KLN 12B*</b>	-11	0.133	Insufficient data for trend analysis (7 water years)
<b>KLN 13</b>	23	0.049	Statistically significant evidence of an increasing trend $p < 0.05$
<b>KLN 14B</b>	-1	1	Insufficient data for trend analysis (7 water years)
<b>KLN 15</b>	13	0.283	No trend $p > 0.05$
<b>RR 07*</b>	3	0.296	Insufficient data for trend analysis (3 water years)
<b>RR 08</b>	-3	0.296	Insufficient data for trend analysis (3 water years)

\*indicates greenhouse influence



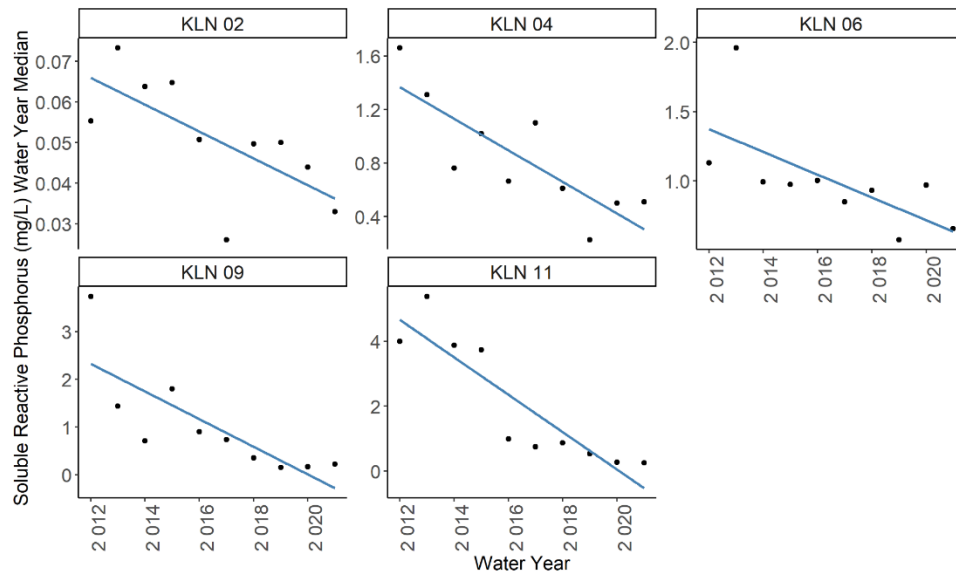
**Figure 3** – Scatter plots of median annual TP concentration at sites with significant trends through time. Note that the scale of the y-axis differs between sites.



**Table 6** – Results of Mann-Kendall trend test on annual median SRP concentration from 2012-2022 for sites with at least 8 years of data. Where there are significant trends in annual median concentration, they tend to be decreasing in greenhouse influenced streams.

Site	S	p-value	Trend
<b>KLN 01</b>	-9	0.474	No trend
<b>KLN 02</b>	-27	0.020	Statistically significant evidence of a decreasing trend p <0.05
<b>KLN 03</b>	-9	0.474	No trend
<b>KLN 04*</b>	-31	0.007	Statistically significant evidence of a decreasing trend p <0.05
<b>KLN 05_ISCO*</b>	-5	0.452	Insufficient data for trend analysis (6 water years)
<b>KLN 06*</b>	-29	0.012	Statistically significant evidence of a decreasing trend p <0.05
<b>KLN 07*</b>	-9	0.474	No trend
<b>KLN 09*</b>	-31	0.007	Statistically significant evidence of a decreasing trend p <0.05
<b>KLN 10*</b>	3	0.858	No trend
<b>KLN 11*</b>	-41	0.0003	Statistically significant evidence of a decreasing trend p <0.05
<b>KLN 12_ISCO*</b>	-5	0.452	Insufficient data for trend analysis (6 water years)
<b>KLN 12B*</b>	-11	0.133	Insufficient data for trend analysis (7 water years)
<b>KLN 13</b>	11	0.371	No trend
<b>KLN 14B</b>	-1	1	Insufficient data for trend analysis (7 water years)
<b>KLN 15</b>	-5	0.721	No trend
<b>RR 07*</b>	1	1	Insufficient data for trend analysis (3 water years)
<b>RR 08</b>	-3	0.296	Insufficient data for trend analysis (3 water years)

\*indicates greenhouse influence



**Figure 4** – Scatter plots of median annual SRP concentration at sites with significant trends through time. Note that the scale of the y-axis differs between sites.



# Expanding greenhouse sector in Essex County, ON and downstream water quality degradation

Kingsville Leamington Nutrient Project  
2012-2022

Prepared by:



August 2023

This work was funded through Canada-Ontario Agreements with the Ministry of the Environment, Conservation and Parks

## Preface

We wish to acknowledge that this land is the traditional territory of the Three Fires Confederacy of First Nations, comprised of the Ojibway, the Odawa, and the Potawatomie Peoples.

We value the significant historical and contemporary contributions of local and regional First Nations and all of the Original Peoples of Turtle Island - North America who have been living and working on the land from time immemorial.

The health and viability of Caldwell First Nation and Walpole Island First Nation, their places of cultural and spiritual significance, and economic opportunities, are inextricably linked to the health of their surrounding traditional lands and waters, which include Lake Erie and Lake St. Clair, and the natural ecosystems of the subwatersheds.

## Contributing Authors

Many individuals contributed to the development of this Report. The following individuals are gratefully acknowledged for their contributions:

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## Executive Summary

The Great Lakes Water Quality Agreement named the Leamington Tributaries as a priority watershed for phosphorus load reduction to mitigate Harmful Algal Blooms in Lake Erie (Annex 4 Objectives and Targets Task Team, 2015). These tributaries are actually several relatively small, hydrologically distinct watersheds that lie mostly in the municipalities of Leamington and Kingsville in Essex County, Ontario, and they are heavily influenced by greenhouse agriculture. Average total phosphorus concentrations from 2017 – 2021 in agriculturally dominated watersheds in the Essex Region ranged from 0.12mg/L to 0.30mg/L, whereas average total phosphorus concentrations in the Leamington tributaries in the same time period ranged from 2.9mg/L to 6.0 mg/L, which is 100-200 times higher than the Provincial Water Quality Objective of 0.03mg/L for streams to prevent nuisance algal growth.

In 2012, the Essex Region Conservation Authority began monitoring these watersheds biweekly year-round and in 2016 began event sampling with ISCO autosamplers in three watersheds. Now, with a decade of data, we have explored long term trends and comparisons in nutrient concentration and load between greenhouse and non-greenhouse influenced streams. In addition, students at the University of Windsor digitized the footprint of greenhouses from aerial photography between 2000 and 2021. In total, the greenhouse footprint has more than doubled over this 20-year period, with many more greenhouses installed after our analysis. In the study watersheds, the greenhouse footprint increased between 4 and 20%.

Year over year, nutrient concentrations continue to be significantly and strikingly higher in greenhouse streams than non-greenhouse streams, with most individual sites showing no trend over time. In typical agricultural streams, the highest nutrient concentrations and loads are observed during rain or snow melt events in the non-growing season, due to surface runoff over bare fields. However, in greenhouse watersheds, the highest concentrations and loads are observed during baseflow conditions in the growing season, with rain events causing a dilution effect. This tells us that these streams behave as though they have point sources.

Further action is needed to determine the means by which nutrients are escaping from what should be closed-loop operations. This may require compliance monitoring and/or oversight during construction to ensure that losses to the environment are prevented. Perhaps most telling is the increase in nutrient concentration in a watershed where the greenhouse footprint changed from 0% to >20% where all structures are newly built. With greenhouse agriculture continuing to expand in this area, and elsewhere in the Great Lakes Basin, it is essential that we take heed of this canary in the coal mine. Next steps include refining the nutrient load calculations for inclusion in bi-national reporting and continued monitoring if and when funds become available.





## Kingsville Leamington Nutrient Project – 2012-2022

### Introduction

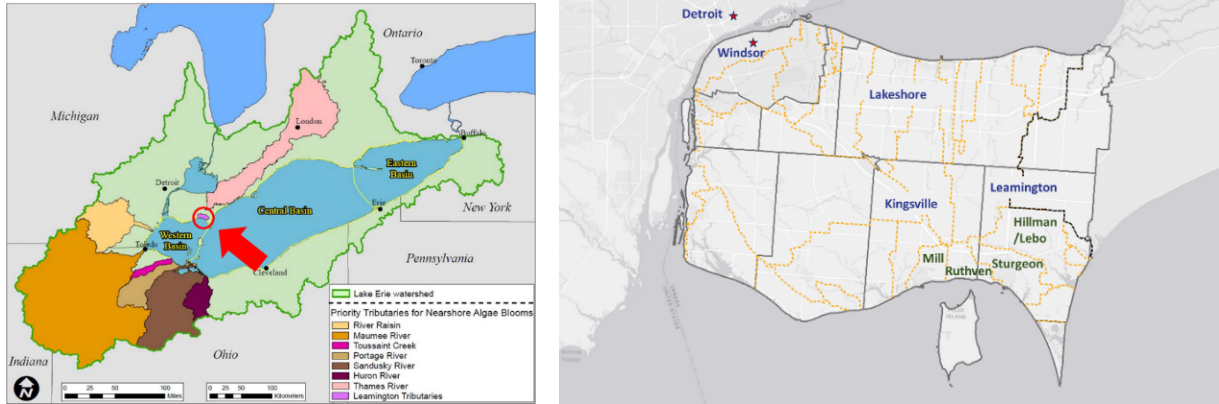
Algal blooms have historically been a common occurrence in Lake Erie and the nearshore areas of Lake St. Clair. In the 1960's the algal blooms were so dense that Lake Erie was declared dead. Whole lake experiments conducted by David Schindler in the Experimental Lakes Area tested and confirmed the theory that phosphorus is the key nutrient that drives eutrophication (high nutrient concentrations that lead to overgrowth of algal biomass) (Schindler, 1977). Under the 1972 Great Lakes Water Quality Agreement (GLWQA, 2012), the U.S. and Canada reduced phosphorus inputs to the Great Lakes, including Lake Erie. Between the late 1960s and early 1980s there was an approximate 60% reduction in the phosphorus loading to Lake Erie and a subsequent reduction in algal blooms. Despite continuing to meet targets for phosphorus loads, however, Lake Erie began to experience algal blooms again in the late 1990's, with 2011 and 2015 as the largest blooms on record (ECCC & MECP, 2018).

The algal blooms experienced since the 1990's are considered to be Harmful Algal Blooms (HABs) because the organisms creating the bloom, called cyanobacteria or blue-green algae (e.g. *microcystis*), are capable of making and releasing toxins that are dangerous to human health (e.g. microcystins). HABs in Lake Erie have increased in size and severity in recent years and have resulted in the closure of beaches throughout the western basin, and of Water Treatment Plants (WTPs) on Pelee Island and in Ohio.

HABs are an international issue, and in 2016, the Great Lakes Water Quality Agreement was amended to include the requirement of a further 40% reduction in phosphorus loads to Lake Erie. At that time, several watersheds were identified as being a priority for phosphorus reduction, two of which are in Canada – the Thames River and the Leamington Tributaries (Annex 4 Objectives and Targets Task Team, 2015) (**Figure 1**). In 2018, the Canadian and Ontario governments, and the United States federal and state governments released Domestic Action Plans that will lead to the target of 40% reduction of phosphorus to Lake Erie (ECCC & MECP, 2018).

The Leamington Tributaries are several relatively small, hydrologically distinct watersheds that lie mostly in the municipalities of Leamington and Kingsville in Essex County, Ontario, and they are heavily influenced by greenhouse agriculture (**Figure 1**). The Essex Region is home to the one of the largest concentrations of greenhouse agriculture in Canada. The warm climate with ample sunlight makes the setting ideal for greenhouse use, as well as existing and expanding infrastructure to provide energy and water (see the Essex County Regional Energy Plan for more information <https://www.countyofessex.ca/en/essex-county-regional-energy-plan.aspx>). Greenhouse agriculture has been common in Leamington and Kingsville for many decades mainly for growing tomatoes, cucumbers, peppers and flowers. However, there has been unprecedented growth in the greenhouse sector with less need for field tomatoes, increased viability of growing other fruit and vegetable crops, and the advent of legalized cannabis.

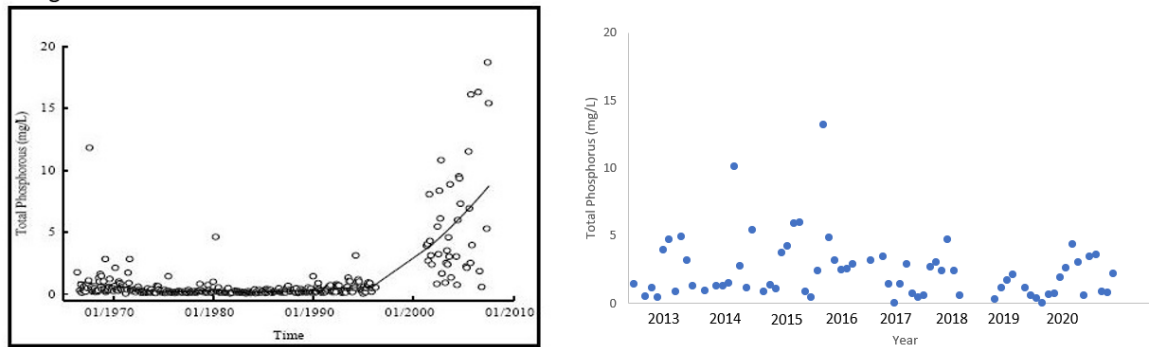




**Figure 1** – Located in the southeast corner of Essex County, Ontario, the Leamington tributaries are several hydrologically distinct watersheds in the municipalities of Leamington and Kingsville. These include Lebo Creek, Sturgeon Creek, Mill Creek and the Ruthven Area drainage, which consists of six small watersheds.

High concentrations of nutrients originally came to light several years ago when data from a long-term monitoring station in Sturgeon Creek were reviewed. Prior to 1996, total phosphorus concentrations were typical of similar agricultural streams. Following a gap in the record until 2002, total phosphorus concentrations were substantially and consistently higher than the previous record (**Figure 2**). Following this observation, the Ministry of Environment, Conservation and Parks (MECP) conducted a study in 2010 and 2011 demonstrating that phosphorous levels in greenhouse effluents/discharges approached 100 times that of normal background surface water quality for the area (MECP, 2012). Maguire et al (2017) documented that total phosphorus and soluble reactive phosphorus concentrations were 20 and 28 times higher in greenhouse influenced streams than non-greenhouse influenced streams.

Sturgeon Creek



Source MOE: Provincial Water Quality Monitoring Network station number 16002700102

**Figure 2** – Total phosphorus concentrations in Sturgeon Creek at a long-term monitoring station from 1965-2022



In 2012, the Southwest Regional office of the Ministry of Environment and the Essex Region Conservation Authority began a study to assess the water quality and quantify the nutrient loading from constructed drains and natural watercourses in and around the municipalities of Leamington and Kingsville that discharge directly into Lake Erie. Sites were selected to represent both greenhouse and non-greenhouse influenced streams in the same geographic area. This work was funded through Canada-Ontario Agreements with the MECP through December 31, 2022.

Now, with a decade of data, we have explored long term trends and comparisons in nutrient concentration between greenhouse and non-greenhouse influenced streams. From 2017-2021, average total phosphorus concentrations in agriculturally dominated watersheds in the Essex Region ranged from 0.12mg/L to 0.30mg/L, whereas average total phosphorus in the Leamington tributaries in the same time period ranged from 2.9mg/L to 6.0mg/L, which is 100-200 times higher than the Provincial Water Quality Objective of 0.03mg/L for streams to prevent nuisance algal growth.

This report explores annual and seasonal trends in phosphorus concentrations. In addition, students at the University of Windsor digitized the footprint of greenhouses from aerial photography between 2000 and 2020. Data have been provided to Environment and Climate Change Canada (ECCC) to provide load calculations using a standardized tool for Lake Erie watersheds.

## **Growth of the Greenhouse Sector**

According to data collected by Statistics Canada for the Census of Agriculture, the total area in greenhouse production was eight times higher in 2021 than it was in 1991, with steady growth throughout that time. There are fewer greenhouses, suggesting that each greenhouse is now larger. The majority of greenhouses in the Essex Region are in Leamington and Kingsville, with the greatest growth occurring in Leamington from 2011 to 2021 (**Table 1 and 2**). New greenhouses continue to be built, while existing greenhouses continue to expand, many to accommodate cannabis. In recent years, the greenhouse sector has expanded northward along Highway 77 in Leamington. These new greenhouses are within the Ruscom River or Big Creek watersheds, which drain to Lake St. Clair, whereas most of the existing greenhouses are in Lake Erie watersheds. Of note, it is uncertain at this time whether or how cannabis greenhouses are captured in the Census of Agriculture. Additionally, the census data does not provide watershed scale data.



**Table 1** – The number of greenhouses and total area in greenhouse production in Essex County from 1991 to 2021 based on Statistics Canada’s Census of Agriculture. Table 32-10-0159-01 Greenhouses and mushrooms, Census of Agriculture historical data\*

Essex County	# of Greenhouses	Area (m <sup>2</sup> )
1991	183	1,267,176
1996	200	1,776,842
2001	213	3,954,176
2006	209	5,475,246
2011	182	6,166,783
2016	170	7,814,527
2021	141	10,590,342

**Table 2** – The number of greenhouses and total area in greenhouse production from 2011 and 2021 in municipalities where greenhouses are common and/or where growth in the sector is expected based on Statistics Canada’s Census of Agriculture. Table 32-10-0159-01 Greenhouses and mushrooms, Census of Agriculture historical data\*

Year	Leamington		Kingsville	
	# GH	Area (m <sup>2</sup> )	# GH	Area (m <sup>2</sup> )
2011	107	3,725,665	54	2,397,010
2016	93	3,844,240	60	3,927,489
2021	75	6,044,899	45	3,687,691

\*Note that cannabis operations may not be captured in these tables.

To further address greenhouse growth, specifically in terms of spatial distribution over time, ERCA and students from the University of Windsor’s Geographic Information Science (GISc.) certificate program (referred to as the Glasshouse Geospatial Group – GGG) partnered to develop a new geodatabase and map layer of greenhouse footprints within the region. The GGG consists of Deana Duong, Cooper O’Rouke, Sarika Sharma, Breanna Stamcoff and Charlotte Wills, under the supervision of Alice Grgicak-Mannion, Geospatial Learning Specialist at the University of Windsor. The section of the report regarding this work was prepared by the GGG.

The creation of the geodatabase was undertaken by utilizing GIS software (ESRI’s ArcPro 3.0™) and digital orthophotography from the years 2000 to 2021 to delineate and digitize greenhouse footprints, via polygon topology (**Figure 3**). Please see Appendix I for a detailed description of the methodology, including steps for QA/QC, used for this exercise.

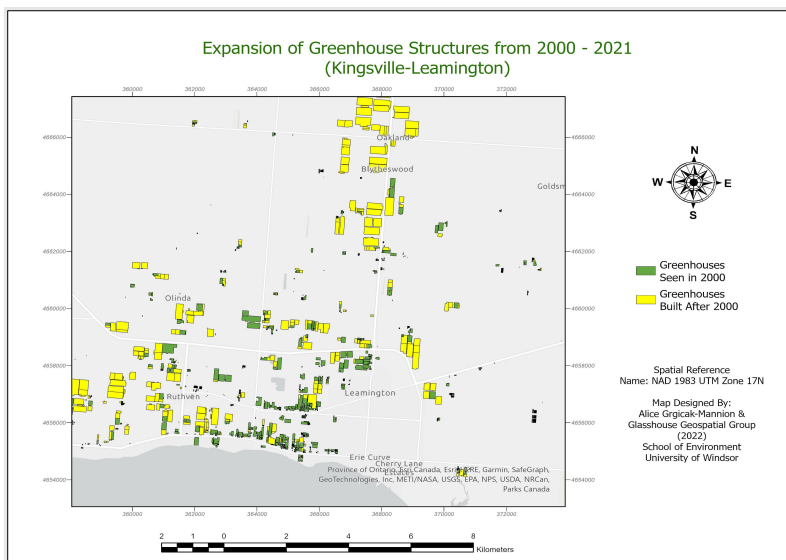




**Figure 3** – Yellow polygons show where previous greenhouse building footprints were located compared to a recent air photo, which shows building expansion and contraction.

In parallel to the digitization procedure, attribute data for each polygon was added into a geodatabase framework using supplemental data/information from ERCA, Agricultural and Agri-food Canada and Google Maps. These data helped to further validate the location of current greenhouses and provided insight on greenhouse characteristics such as: greenhouse type, areal measurements, presence or absence of holding tanks, when the greenhouse was built, etc. for each polygon. These classifications and calculations were inputted into the layer’s geodatabase attribute table. Overall, the total number of greenhouse polygons within the geodatabase now stands at 2,033.

Greenhouse structures have grown in the Windsor-Essex region in terms of areal measurement and land usage over a 20-year period by 148% (**Table 3**). These figures align well with the data obtained from Statistics Canada for Essex County. The benefit of this new geodatabase is that each greenhouse footprint is georeferenced and attributed. **Figure 4** depicts a map highlighting the expansion of greenhouse structures spatially over a 20-year period and specifically for the Kingsville-Leamington area.



**Figure 4** – Map showing greenhouse expansion over a 20-year period



**Table 3** – Through a simple SQL query, calculations on total areal measurements of greenhouses were obtained for 2000 and 2021 and shows a significant increase in greenhouse land usage for the Windsor-Essex Region

Area of Greenhouse Structures in 2000 (m <sup>2</sup> )	Area of Greenhouse Structures in 2021 (m <sup>2</sup> )	Areal Percent Difference
4,210,895.8	10,458,415.2	148% increase

Using the data obtained from the GGG project, the percent areal greenhouse coverage for each of the study watersheds was calculated for the years 2000 and 2021, which are the earliest and latest years for which these data are available. In the future we will calculate the percent areal coverage for all available years to show the change over time. Watersheds classified as greenhouse influenced experienced an increase in areal coverage between 2.3 and 20.6% with an average of 9% increase in greenhouse coverage (**Table 4, Figure 5**).

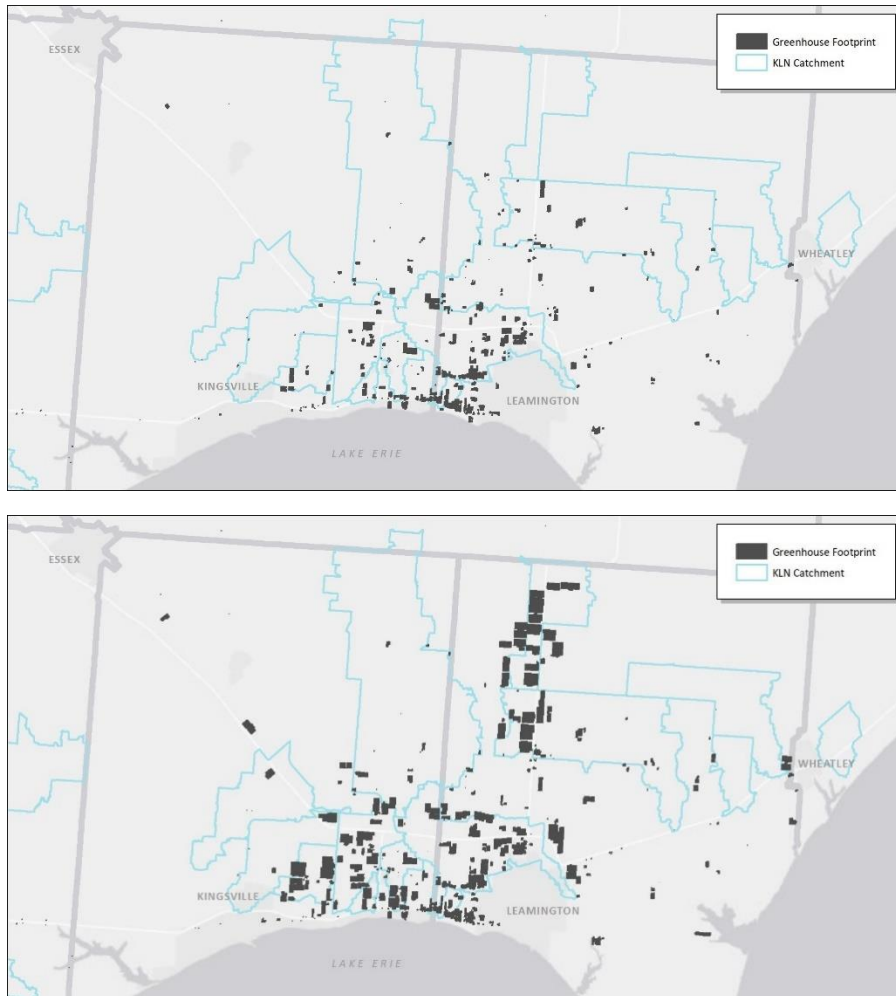
**Table 4** – The areal percentage of greenhouse coverage for each study watershed in the years 2000 and 2021

Site	% Greenhouse 2000	% Greenhouse 2021	Difference
KLN 01	0.0	0.0	0
KLN 02	0.0	0.0	0
KLN 03	0.0	0.0	0
KLN 04*	1.4	5.9	+4.5
KLN 05_ISCO*	8.5	12.8	+4.3
KLN 06*	18.2	20.8	+2.6
KLN 07*	20.7	23.0	+2.3
KLN 09*	7.0	19.2	+12.2
KLN 10*	7.3	19.0	+11.7
KLN 11*	4.6	18.2	+13.6
KLN 12_ISCO*	1.5	10.6	+9.1
KLN 12B*	4.4	25.0	+20.6
KLN 13	0.0	0.8	+0.8
KLN 14B^	0.0	0.0	0
KLN 15	0.1	0.2	+0.1
RR 07*	0.0	20.1	+20.1
RR 08^	0.4	0.7	+0.3

\*Indicates greenhouse influence

^KLN 14B and RR 08 do contain some small greenhouses. However, because of the larger size of these watersheds, the percent areal coverage is negligible.





**Figure 5** – Areal greenhouse coverage in study watersheds in Leamington and Kingsville in 2000 (top) and 2021 (bottom)

Overall, this partnership yielded a new and improved greenhouse footprint layer and geodatabase for ERCA, along with QA/QC digitization procedures for maintenance consistency and efficiency. The geodatabase also can be used for multi-disciplinary analyses related to spatial expansion of greenhouses in the regions and understanding greenhouse industry changes by type. The GGG group has also recommended that other features, such as holding tanks, parking lots and stormwater ponds should be digitized to account for greenhouse land disturbance and whether these should be part of what are deemed greenhouse “footprints.” The GGG will be addressing this in the second phase of this project, which is part of their GISc. Certificate capstone course.



## Site Locations

The project began in 2012 with 14 sites (n=6 non-greenhouse and n=8 greenhouse influenced streams). Over the course of the project, some new sites have been added and while most site locations have remained unchanged, others were relocated or paused for various reasons.

Additional sites have been added to capture areas with rapid greenhouse expansion (**Table 5** and **Figure 6**). Please see Appendix I for a detailed description of watershed characteristics and specific circumstances regarding when sites were paused or relocated.

**Table 5** – Site locations, number of samples (routine only), start and end year

Station	Watershed	Latitude	Longitude	#Samples	Start Year	End Year
KLN 01	Mervin Drain	42.095092	-82.446772	193	2012	2022
KLN 02	West Two Creek	42.092435	-82.473688	181	2012	2022
KLN 03	Muddy Creek	42.080446	-82.489164	179	2012	2022
KLN 04*	Lebo Creek	42.071608	-82.523613	190	2012	present
KLN 05*	Sturgeon Creek	42.032514	-82.564948	109	2012	2018
KLN 05_ISCO*	Sturgeon Creek	42.045504	-82.574625	107	2017	present
KLN 06*	Judson Morse Drain	42.038079	-82.641753	149	2012	2022
KLN 07*	Rawley Drain	42.038931	-82.645158	151	2012	2022
KLN 09*	Esseltine Drain	42.039714	-82.661404	138	2012	2022
KLN 10*	Albert Gunning Drain	42.039860	-82.676776	191	2012	2022
KLN 11*	Lane Drain	42.037910	-82.694859	199	2012	present
KLN 12*	Mill Creek	42.027854	-82.742094	115	2012	2018
KLN 12_ISCO*	Mill Creek	42.039706	-82.744155	105	2017	present
KLN 12B*	Mill Creek	42.0473855	-82.723295	97	2016	present
KLN 13	Wigle Creek	42.053238	-82.759530	190	2012	present
KLN 14	Cedar Creek	42.053721	-82.855395	85	2012	2016
KLN 14B <sup>^</sup>	Cedar Creek	42.054331	-82.867234	119	2016	2022
KLN 15	Dolson Creek	42.005525	-82.840386	188	2012	2022
RR 07*	Ruscom River	42.172077	-82.604717	37	2020	present
RR 08 <sup>^</sup>	Ruscom River	42.181312	-82.653625	39	2020	present

\*Indicates greenhouse influence

<sup>^</sup> KLN 14B and RR 08 do contain some small greenhouses. However, because of the larger size of these watersheds, the percent areal coverage is negligible.

This report includes data collected up to September 30, 2022 (at the end of water year 2021/2022). As of March 2023, sampling has ceased at nine locations due to a loss of funding. Two of these sites are also PWQMN sites so they will continue once a month (KLN14B and KLN 03), four of the sites would likely be discontinued anyway (KLN 01 and KLN 02 are non-greenhouse sites with no observable trends in 10 years of data; KLN 06 and KLN 07 are sites with very small watersheds), leaving three sites that we would like to sample but aren't able to at this time (KLN 15, KLN 09 and KLN 10).







**Figure 6** – Upstream watershed delineations for current sampling locations

## Sampling Methodology

Beginning in 2012, grab samples were collected at all sites every two weeks (biweekly) year-round, unless the streams were dry, frozen, or otherwise inaccessible. Sampling was reduced from biweekly to monthly in October 2018 due to reduction in available funding. At that time, the frequency of sampling at KLN 06 and KLN 07 was reduced to every other month. These sites were determined to be lower priority because they tend to have similar phosphorus concentrations year-round, have small contributing watersheds and minimal flow. Routine sampling was restored to biweekly frequency in January 2020, with KLN 06 and KLN 07 sampled monthly.

Estimating nutrient loads requires three key pieces of data. Continuous water level (i.e. stage), instantaneous discharge measurements to develop rating curves and nutrient concentrations taken at all points of a hydrograph. In 2016, additional sampling began in order to be able to quantify the nutrient loading in three of the study watersheds – Sturgeon Creek (KLN 05\_ISCO), Lane Drain (KLN 11) and Mill Creek (KLN 12\_ISCO). These sites were equipped with ISCO autosamplers that had bubbler modules to measure water level every 15 minutes and modems that allowed staff to access data and control the autosampler remotely. The ISCOs were programmed to turn on during precipitation events once water levels rose between 5 and 8cm above pre-event levels and then collect stream samples once every 4 hours. The ISCOs were manually stopped once water levels returned to near base-flow conditions. Using the water level data, discrete samples were chosen for laboratory analysis targeting the rising limb, peak and falling limb of the hydrograph. All attempts were made to capture as many events as possible throughout the year including both small and large rain events with varying duration as well as rain on snow and snow melt events.



To ensure consistent water quality data, the protocols for the PWQMN program were used. Samples for general chemical, nutrient, total suspended solids and metal analysis were collected at each monitoring site using clean, polyethylene bottles. During the Covid-19 pandemic when there was a period of time when the MECP lab was closed or had limited capacity, as well as when samples were collected during precipitation events, samples were analyzed for nutrients and total suspended solids only. All metal samples are preserved with approximately 15 drops of nitric acid to achieve a pH below two. The standard methods recommended by the American Water Works Association (AWWA) and the Water Environment Federation (WEF) for preservation and storage of samples for specific parameters are followed during the entire sampling period (Standard Methods, 2023). Most laboratory analyses were conducted by the MECP certified laboratory in Etobicoke. During the Covid-19 pandemic when this lab was shut down, samples were analyzed by Caduceon, a private lab. Once the MECP lab re-opened, lab load was reduced so only routine samples were sent to the MECP and event-based samples were sent to Caduceon. A handheld multiparameter meter, the YSI ProDSS, was used to measure pH, dissolved oxygen, water temperature, turbidity, and conductivity of surface water when collecting biweekly water samples.

Level loggers were installed in September 2017 at all KLN sites except KLN 06, 07, 12B, and 15. These sites do not have level loggers for a variety of reasons (e.g. consistently low water levels and/or flow; inability to secure loggers due to accessibility and/or poor substrate). Data from the loggers is uploaded at least quarterly and the loggers are winterized to protect against freezing. The logger at KLN 09 broke in July 2018, and the logger at KLN 02 broke in December 2018. Because of funding constraints, these loggers could not be replaced at that time. A new level logger was deployed at KLN 02 in June 2020. However, drain construction at KLN 09 commenced in early Spring of 2020, and the stream underwent significant changes to the channel and it was determined not to redeploy a level logger at this site.

Instantaneous discharge is measured using a handheld flow meter following USGS protocols. ERCA makes every effort to measure flow at all points on the hydrograph, however it is difficult to measure high flows due to safety as well as timing, with the highest flows often occurring overnight. Together these data points are used to plot stage (i.e. water level) vs discharge pairs and a develop a relationship called a rating curve. Accurate rating curves require numerous discharge measurements at all ranges of stage and streamflow. Since each stream channel is different, each rating curve is unique to that site and can change over time if there is a significant alteration in geomorphology (i.e., the shape, size, slope, and roughness of the channel at the stream gage).

Environment and Climate Change Canada have been provided the data necessary to calculate nutrient loads for Sturgeon Creek (KLN 05\_ISCO), Lane Drain (KLN 11) and Mill Creek (KLN 12\_ISCO). They will use Version 1.4 of the Erie Loading Tool (ECCC, 2020) which estimates annual loads from tributaries (monitored and unmonitored), point sources, and atmospheric deposition. The methodology implemented in the tool is based on the Dolan approach as described in

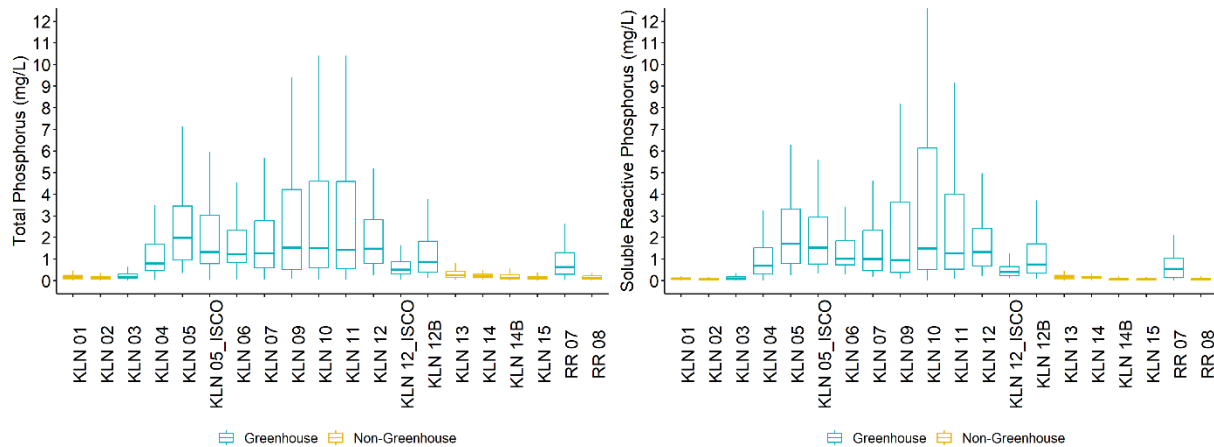


Maccoux et al., 2016. Annual loads are calculated on a water year basis (October 1-September 30) for each basin and total area for Lake Erie.

Beginning in April 2023, a reduced number of sites (see **Table 5**) are now sampled monthly and there is currently no event-based sampling.

## Water Quality Analyses

For the purposes of this report, we are focusing on concentrations of total phosphorus (TP) and dissolved phosphorus, measured as soluble reactive phosphorus (SRP). Additional parameters may be considered in future reporting. Data collected between 1 October 2012 and 30 September 2022 were used for these analyses. Because the concentrations are generally high at the study locations sites in all years, we did not observe any non-detect data and therefore did not have to use any special statistics. When investigating annual trends, we used water years (1 October – 30 September). For general statistics, trend analysis, and seasonal comparisons, only routine data collected every two weeks were used. Event data are only collected at three stations and these data would not be comparable across all sites. Event data are used elsewhere in our statistical analyses and for load calculation. TP and SRP concentration data from routine samples for all sites across all years are shown in **Figure 7**. These graphs also distinguishes greenhouse influenced streams (in blue) from non-greenhouse influenced streams (in orange).



**Figure 7** – Box and whisker plot showing the distribution of TP concentration (left) and SRP concentration (right) for each site using routine data collected from 2012-2022

### Trends in annual median concentration

To determine trends in the concentrations for TP and SRP over the period of interest (water years 2012/13 to 2021/22), we first calculated annual median concentrations for each site. Median values were used to minimize the influence of extreme high or low concentration values because grab samples are collected on a set schedule (every two weeks) and may occur at any point on the hydrograph. Mann-Kendall trend tests, performed in RStudio using the 'trend' package, were used to determine whether significant monotonic trends occurred in annual

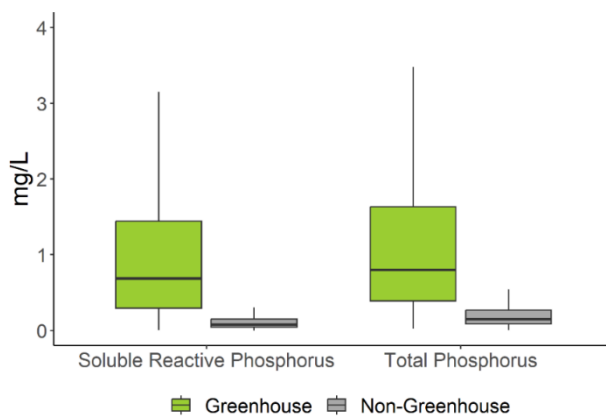


median concentrations for each parameter during the period of interest at each of the selected sites. Note that Mann-Kendall tests can be run with as few as four samples, but it is recommended to have at least 8 data points. There are some stations that have insufficient data for this trend analysis because they have different start and end dates, resulting in fewer data points than recommended.

Of the stations with sufficient data for trend analysis, two have increasing trends in TP concentration, four have decreasing trends and the remaining five have no significant trend. Of interest, the sites with declining TP concentration are all identified as greenhouse influenced, while those with increasing trends are identified as non-greenhouse. It is important to note, however, that the greenhouse influenced streams begin and end with higher concentrations than the non-greenhouse influenced streams. Five stations show declining trends in SRP concentration and the remaining six stations show no trend. Further investigation into these trends is warranted. Please see Appendix I for detailed results of this analysis.

#### Comparison between watershed type

To determine whether TP and SRP concentrations in routine samples varied between watershed types (greenhouse influenced vs non-greenhouse influenced), Wilcoxon Rank Sum tests were performed in R. This test was used because the data do not meet the assumptions of normality nor equal variance. In summary, TP and SRP concentrations are both significantly higher in greenhouse influenced streams than in non-greenhouse influenced streams ( $p < 0.001$ ) (**Figure 8**). Note that the Provincial Water Quality Objective (PWQO) is 0.03mg/L. Given that we do see some significant trends through time, future analyses could tease apart differences in particular years, or individual sites.



**Figure 8** – Box and whisker plot showing the distribution of SRP and TP concentration in greenhouse (green) and non-greenhouse (grey) influenced streams



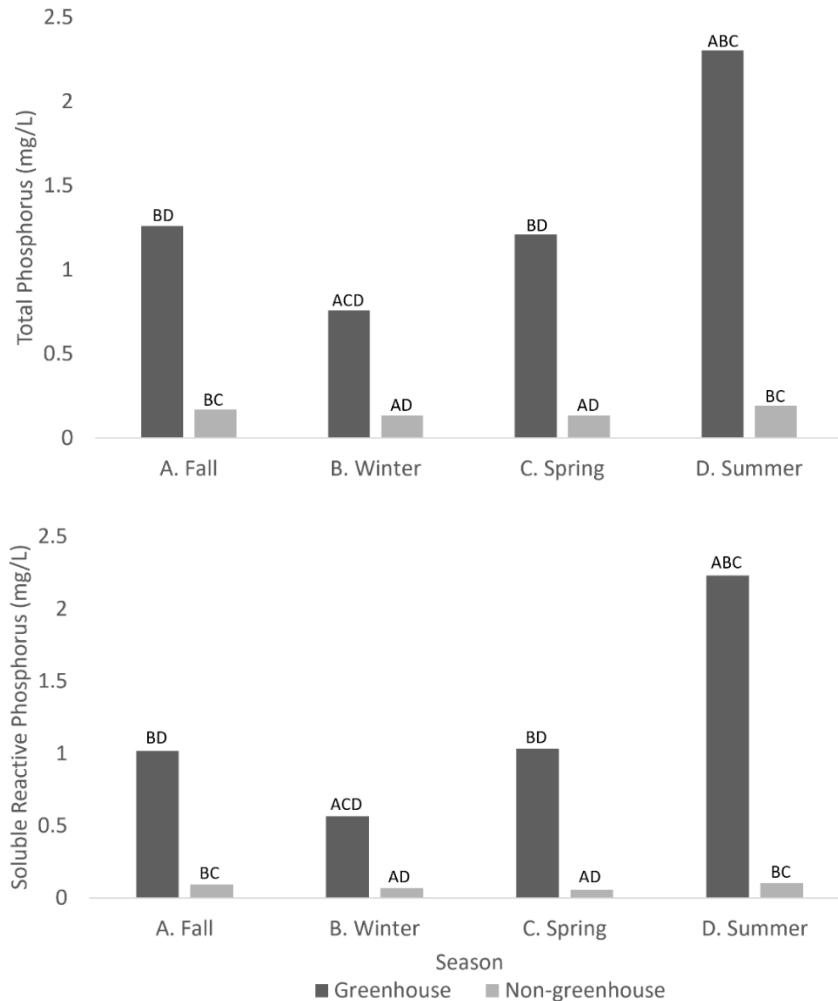
### Seasonal differences

We also looked at whether TP and SRP concentration in routine samples differed in greenhouse and non-greenhouse influenced streams across seasons, where winter was defined as December-March, spring as April-June, summer as July-August, and fall as September-November. We chose these definitions to work towards addressing the Great Lakes Water Quality Agreement's Annex 4 direction to reduce phosphorus loads during the spring months in order to minimize harmful algal blooms in Lake Erie (Annex 4 Objectives and Targets Task Team, 2015). Future analysis could examine additional or different seasonality, as well as individual sites. We used Kruskal-Wallis rank tests performed in R. This test was used because the data do not meet the assumptions of normality nor equal variance. If Kruskal-Wallis tests detected a significant difference among groups, Dunn's post-hoc tests, which are recommended for comparing groups with unequal sizes, were used to determine pair-wise differences between watershed types. Data used for this analysis were from January 2013 to August 2022.

In greenhouse influenced streams for both TP and SRP concentrations, the Kruskal-Wallis test determined that there were significant differences amongst the seasons ( $p < 0.001$ ). Dunn's tests showed that summer concentrations were significantly higher than all other seasons ( $p < 0.001$ ) and winter concentrations were lower than all other seasons ( $p > 0.001$ ). There was no difference in either TP or SRP concentrations between spring and fall.

In non-greenhouse influenced streams for both TP and SRP concentrations, the Kruskal-Wallis test determined that there were significant differences amongst the seasons ( $p < 0.001$ ). However, Dunn's tests between seasons are not as easy to interpret. TP and SRP concentrations are higher in the summer than in winter or spring ( $p < 0.001$ ). Fall differs significantly from spring and winter ( $p < 0.001$ ), but neither fall and summer, nor spring and winter differ significantly (**Figure 9**).





**Figure 9** – Bar charts showing median TP concentration (top) and SRP concentration (bottom) in greenhouse and non-greenhouse influenced streams across seasons. The letters above each bar indicate significant ( $p < 0.001$ ) seasonal differences.

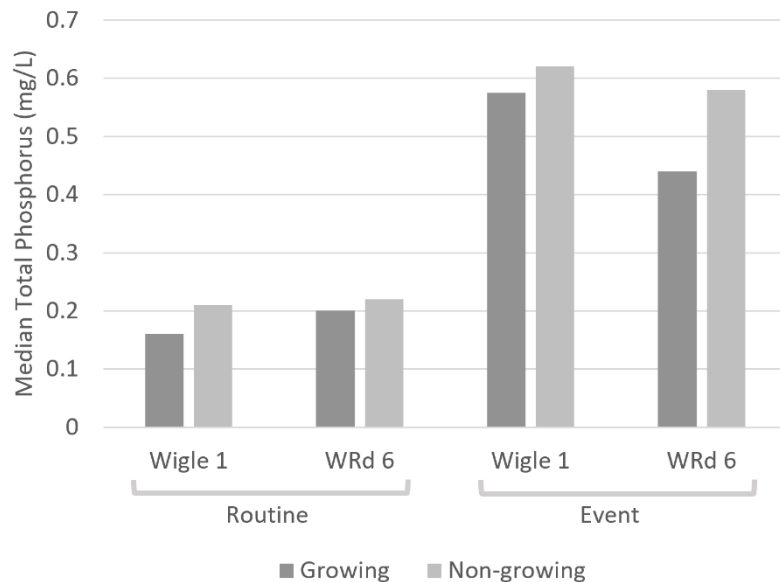
### Comparison of nutrient concentrations in the growing and non-growing season during routine and event sampling

In a typical agricultural stream, TP and SRP concentrations tend to be highest during precipitation events in the non-growing season (November to March). This is because rain or snow melt picks up sediment bound TP from bare fields in surface runoff and SRP through tile drainage. It is for this reason that measuring concentration and flow during precipitation events at various points on the hydrograph is critical to calculating nutrient loads. Capturing concentration and flow at the peak (highest point) of a hydrograph is especially critical and the most challenging as the streams are typically unsafe to enter at these times.

We have sampled two sites along a nearby agricultural stream with no greenhouses (Wigle Creek) in a similar manner to those presented in this study, as part of the GLASI and ONFARM program. Wigle Creek is consistent with our expectations with the highest TP and SRP concentrations occurring during precipitation events in the non-growing season (**Figure 10**). We



examined whether the same pattern exists in greenhouse streams using the same criteria for growing season (April to October) and non-growing season (November to March) as we use for agricultural streams, however, we recognize that plants may be grown in a greenhouse year-round. Future analysis will include discussion with the greenhouse sector to include what they would consider a more appropriate definition of growing season (when plants are receiving nutrients through fertigation) and non-growing season (when irrigation no longer includes the addition of nutrients).



**Figure 10** – Median TP concentrations at two locations within an agricultural watercourse in the Essex Region showing that TP concentrations are highest during weather events in the non-growing season.

To determine whether TP and SRP concentrations varied between samples collected during routine sampling (every two weeks) and event samples (rain and snow melt events) during the growing and non-growing season, a series of one-way Kruskal-Wallis rank tests were performed in R. This test was used because the data do not meet the assumptions of normality nor equal variance. In the future, we will consider multivariate or two-way ANOVAs to analyze these data, but we do not expect any change in the result. This analysis was conducted for the three stations equipped to monitor during events using ISCO autosamplers (KLN 05\_ISCO, KLN 11 and KLN 12\_ISCO).

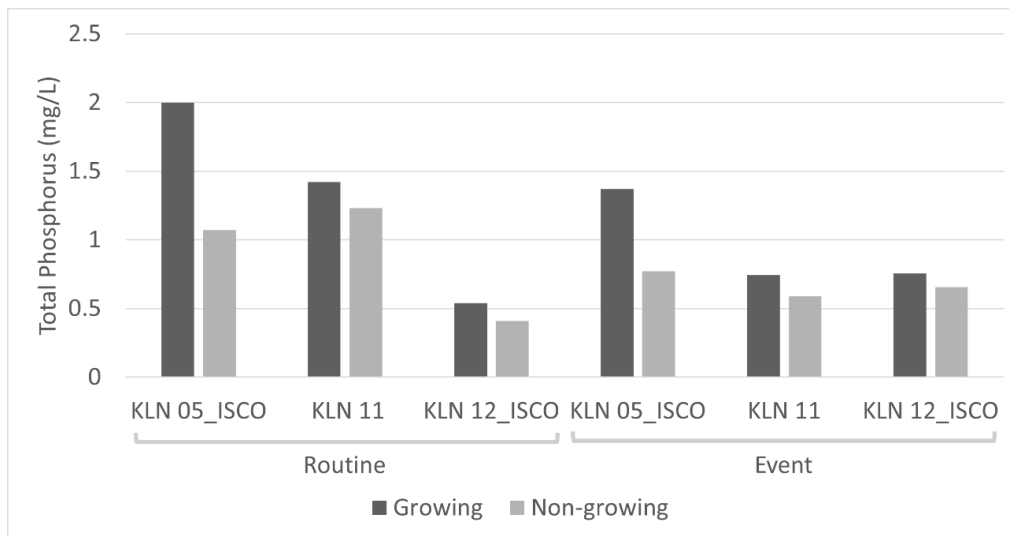
In summary, the highest concentrations of TP and SRP are observed in routine samples taken during the growing season, which is in contrast to a typical agricultural stream (**Tables 6 and 7** and **Figures 11 and 12**). This indicates that precipitation events act to dilute nutrient concentrations in these streams, giving further evidence to the effect of greenhouses behaving as point sources of nutrients to the downstream receiving waters. This pattern is most evident in Sturgeon Creek (KLN 05\_ISCO) and Lane Drain (KLN 11). TP concentrations in Mill Creek (KLN 12\_ISCO) do not exhibit a difference in concentration in the growing vs non-growing season, but routine TP concentrations are higher than event TP concentrations. SRP concentrations in Mill



Creek do not exhibit a difference in concentration in event vs routine samples, but growing season SRP concentrations are higher than non-growing season SRP concentrations.

**Table 6** – Results of Kruskal-Wallis paired tests for TP concentration using data from 2013-2022

Test	Chi-Squared	p-value	Result
Growing vs non-growing season: Routine	7.71	0.005	TP concentrations during routine sampling in the growing season are significantly higher than TP concentrations in the non-growing season
Growing vs non-growing season: Event	36.70	<0.001	TP concentrations during event sampling in the growing season are significantly higher than TP concentrations in the non-growing season
Routine vs Event: All data	9.82	0.002	TP concentrations during routine sampling are significantly higher than TP concentrations during events regardless of season
Routine vs Event: Growing Season	5.5	0.019	TP concentrations during routine sampling are significantly higher than TP concentrations taken during events during the growing season
Routine vs Event: Non-growing season	5.05	0.025	TP concentrations during routine sampling are significantly higher than TP concentrations taken during events during the non-growing season



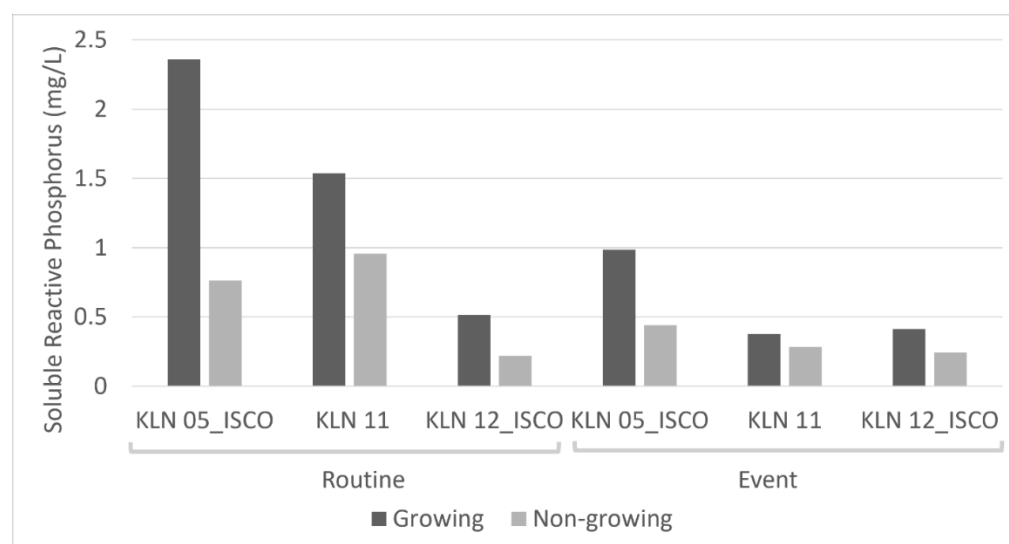
**Figure 11** – Bar graph showing median TP concentration at each of the three sites equipped with ISCO autosamplers during event and routine sampling in the growing and non-growing season.





**Table 7** – Results of Kruskal-Wallis paired tests for SRP concentration using data from 2013-2022

Test	Chi-Squared	p-value	Result
Growing vs non-growing season: Routine	35.20	<0.001	SRP concentrations during routine sampling in the growing season are significantly higher than TP concentrations in the non-growing season
Growing vs non-growing season: Event	89.55	<0.001	SRP concentrations during event sampling in the growing season are significantly higher than TP concentrations in the non-growing season
Routine vs Event: All data	96.59	<0.001	SRP concentrations during routine sampling are significantly higher than TP concentrations during events regardless of season
Routine vs Event: Growing Season	32.59	<0.001	SRP concentrations during routine sampling are significantly higher than TP concentrations during events during the growing season
Routine vs Event: Non-growing season	66.26	<0.001	SRP concentrations during routine sampling are significantly higher than TP concentrations during events during the non-growing season

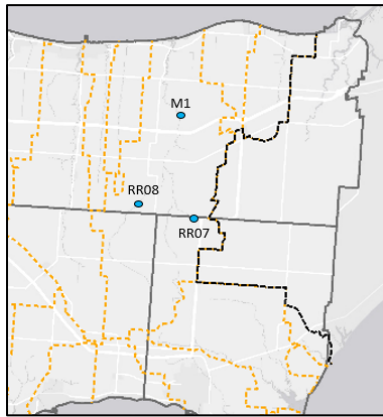
**Figure 12** – Bar graph showing median SRP concentration at each of the three sites equipped with ISCO autosamplers during event and routine sampling in the growing and non-growing season

### Ruscom River

The greenhouse sector continues to expand in the northern part of Leamington, along the highway 77 corridor as is evidenced by the digitization of the greenhouse footprint done by the GGG group (see **Table 4** and **Figure 5**). This area of expansion is in the headwaters of the eastern branch of the Ruscom River, which flows south into the municipality of Lakeshore and eventually to Lake St. Clair. In October 2020, additional sampling locations in the Ruscom watershed were added to routine monitoring to capture this growth of the greenhouse sector.

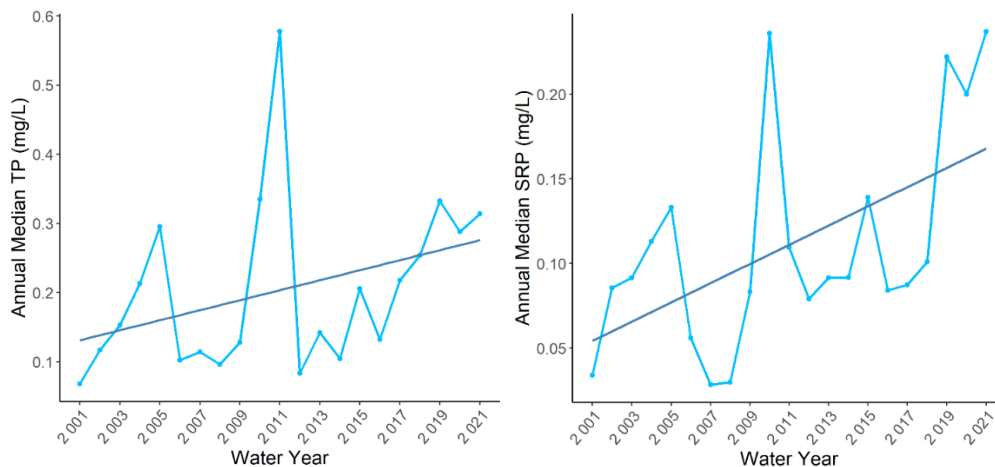


The site RR 07 is located in the east branch of the Ruscom River where expansion of the greenhouse sector is growing at a fast rate. The greenhouse footprint in this watershed was 0% in 2000 and 20% in 2021, with more greenhouses built in the years since this analysis. The site RR 08 is located in the west branch of the Ruscom River where the land use remains largely field agriculture. These sites are sampled every two weeks, and there is a level logger at RR 07. There is also a long-term monitoring station in the Ruscom River (M1) that is part of the Provincial Water Quality Monitoring Program where sampling began in 2001 (**Figure 13**).



**Figure 13** – Map showing the location of the long-term monitoring station (M1) in the Ruscom River relative to RR 07 and RR 08

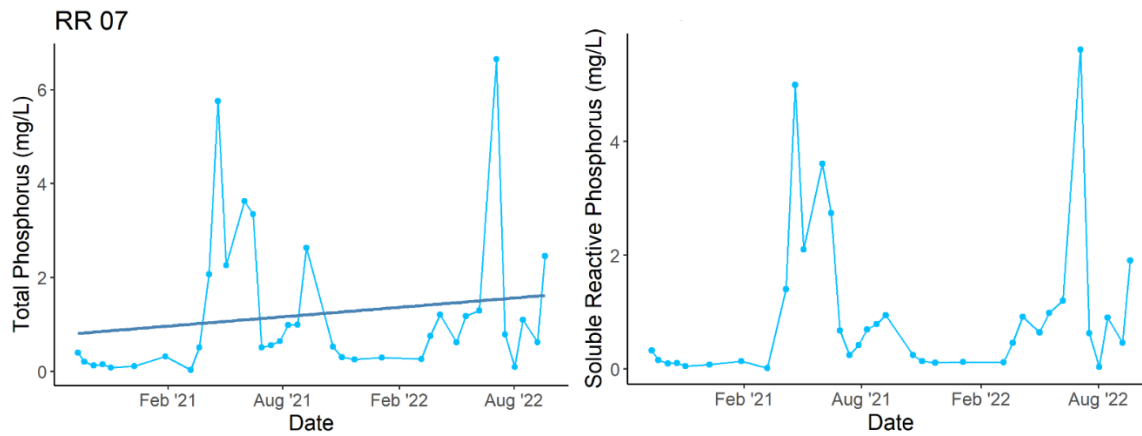
We examined the trend in annual median TP and SRP concentration at M1 for 2001-2022 using Mann-Kendall non-parametric tests in RStudio with the ‘trend’ package. Both TP concentration ( $p=0.024$ ) and SRP concentration ( $p=0.017$ ) are increasing significantly at this site, driven largely by higher concentrations from 2019 onward (**Figure 14**). Similar data from Sturgeon Creek raised the initial concern that nutrient concentrations in the Leamington area were increasing.



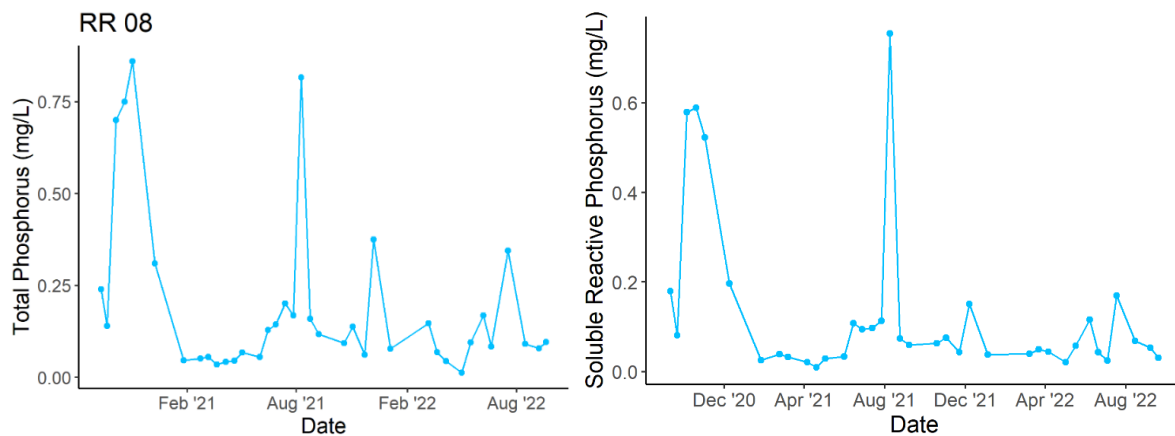
**Figure 14** – Trend in annual median Total Phosphorus (left) and Soluble Reactive Phosphorus (right) at site M1 in the Ruscom River. We also used Mann-Kendall trend analysis to examine whether there were trends in TP and SRP concentration at RR 07 and RR 08 using all the data collected from 11 September 2020 to 8 November 2022. The Mann-Kendall analysis doesn’t account for seasonality, however, there is insufficient data to examine annual trends. TP



concentration ( $p=0.039$ ) is increasing significantly at RR 07 (greenhouse) while SRP ( $p=0.139$ ) is not (**Figure 15**). There is no significant trend in either TP or SRP at RR 08 (non-greenhouse) (**Figure 16**). The difference in the scale of the y-axis between RR 07 and RR 08 should also be noted. Once more data are collected at these sites, seasonality should be considered in analyses.



**Figure 15** – Scatter plot and trend line for TP concentration (left) and SRP concentration (right) at RR 07 in the Ruscom River



**Figure 16** – Scatter plot for TP concentration (left) and SRP concentration (right) at RR 08 in the Ruscom River



## Summary and Next Steps

Following 10 years of data collection in greenhouse and non-greenhouse influenced streams in Leamington and Kingsville, Ontario, some clear and strong patterns have emerged. Both total phosphorus and soluble reactive phosphorus concentrations are significantly, and drastically, higher in greenhouse than non-greenhouse influenced streams. Using data from 2012 to 2016, Maguire et al. 2017 showed that concentrations in greenhouse influenced streams were more than 20 times higher than non-greenhouse influenced streams. Despite communication of these findings and a decreasing trend at some sites, high nutrient concentrations in greenhouse influenced streams continue to persist. This pattern remains in all seasons, with the greatest difference between greenhouse and non-greenhouse influenced streams in summer months and least difference in winter months. This aligns with fertilizer practices where greenhouse plants are provided with nutrient rich water throughout their growing season and nutrients are tapered off as the plants reach senescence. This is in contrast to row-crop agriculture where fertilizer is applied at specific points in time.

In most watersheds, nutrient concentrations and loads are highest during precipitation events in the non-growing season when run-off occurs over bare soil. Our findings show that the greenhouse influenced streams display the opposite pattern with the highest nutrient concentrations occurring during baseflow conditions in the growing season. Rather than nutrients increasing as a result of additions from run-off, there is a dilution effect. This suggests that there are point sources in these watersheds with a consistent input of nutrients.

Finally, there are now two long term datasets in Sturgeon Creek and the Ruscom River that clearly show an increase in downstream nutrient concentrations following the installation of greenhouse infrastructure. The evidence presented here should be taken as a warning that even newly built greenhouses are losing nutrients to the environment. These new greenhouses should have been built to the highest standards which should include managing their losses to the environment. The Ruscom River flows into Lake St. Clair, which experiences a persistent, toxic harmful algal bloom each summer. It is imperative that nutrient contributions to these receiving waters be reduced.

These lines of evidence show clearly that nutrients from greenhouse agriculture are ending up in the downstream environment, whether accidentally or through purposeful discharge. The Canada-Ontario Lake Erie Action Plan identified several actions that should be taken by the greenhouse sector to lessen their downstream impact. Future work should include the continued monitoring of these streams, which is currently unfunded, to track progress towards these goals. Further studies are also warranted to pinpoint hotspots within watersheds and also to determine the pathways through which nutrients are being discharged to the environment so that corrective actions can be taken. There is also an opportunity at this point to ensure that all newly built greenhouses meet the highest standards. Dye tests should be required to find and repair leaks prior to operations beginning and throughout the life cycle of a greenhouse. At a time when food scarcity is a growing issue, it is essential that we take the time to make corrective actions to ensure that our efforts to grow food do not result in further environmental degradation.



## **Effect of Covid-19 on execution of the project**

In March 2020, the ERCA offices were closed and staff began working remotely. At that time, water quality sampling was determined to be an essential service and ERCA initiated, and continued to modify, protocols to ensure the health and safety of our Water Quality Technicians such that there was no disruption in our ability to deliver our monitoring programs. For example:

- Each Technician was assigned their own vehicle and sampling equipment
- Each Technician was provided with PPE (e.g. gloves, masks, face shields)
- Staff were encouraged to maintain physical distance while sampling

Shortly after the pandemic was announced, the MECP lab was closed to routine monitoring programs like KLN. During this closure, a private laboratory, Caduceon in Windsor, ON was used where they implemented protocols to ensure the health and safety of their staff and those dropping off samples. Submissions could be done electronically, and sample drop off was contact-less. Because there were no funds specifically allotted for laboratory analysis, which is typically done through in-kind support from MECP, we reduced the number of analytes to keep costs down. Samples were analyzed for total phosphorus, soluble reactive phosphorus, nitrate, nitrite, ammonia, total Kjeldahl nitrogen and total suspended solids only. A benefit to using this private lab is that results are received more quickly and in a format that is easier to integrate into our databases than the MECP lab.



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September 8<sup>th</sup>, 2023

Dear Pelee Island Council,

I am currently preparing for Pelee Island Public School's Annual Pheasant Hunt Raffle and hoping that you would be generous enough to donate three 2024 Pheasant Hunt Licenses for our raffle as you have in the past. This is our biggest fund raiser of the year.

This raffle money is deposited in the school's fund and is used on field trips and other expenses not covered by the school board.

I would need verbal approval as soon as council voted on it - so a raffle license can be applied for. The actual certificates would not be needed until the raffle is over on November 17<sup>th</sup>.

Thank-you for your time.

Yours truly,  
Richard Galloway  
Pelee Island Public School

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26,2023

Resolution 2023-	
Moved by:	Seconded by:

“Be it Resolved that the Council of the Corporation of the Township of Pelee hereby approves the request from Pelee Island Public School’s to donate three 2024 Pheasant Hunt Licenses for their Annual Pheasant Hunt Raffle .

RESOLUTION RESULT		RECORDED VOTE		
X	CARRIED		YES	NO
	DEFEATED			
	DEFERRED			
	REFERRED			
	PECUNIARY INTEREST DECLARED			
	RECORDED VOTE (SEE RIGHT)			
	WITHDRAWN			
MAYOR-Cathy Miller		Interim Clerk-Mary Masse		

The above is a certified to be true copy of resolution number 2023-

Mary Masse  
 Interim Clerk



The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

“Be it resolved that the Council of the Corporation of the Township of Pelee hereby receive Consent Agenda items 8a) through 8p)

RESOLUTION RESULT	RECORDED VOTE		
CARRIED		YES	NO
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

<p>The above is a certified to be true copy of resolution number 2023 –</p> <p>Mary Masse          Township Administrator &amp; Clerk</p>
---



THE CORPORATION OF THE  
*Township Of Pelee*  
THE CORPORATION OF THE TOWNSHIP OF PELEE  
REPORT

<b>Author's Name: Mary Masse, Interim Clerk</b>	<b>Report Date: August 31, 2023</b>
<b>Resolution #: 2023-</b>	<b>Date to Council: September 12, 2023</b>

**To: Mayor and Members of Council**

**Subject: Workplace Harassment Prevention policy amendments**

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**1. RECOMMENDATION:**

It is recommended that:

Council approve amendments to the Workplace Harassment Prevention Policy # 2019-02-03

**2. BACKGROUND:**

**At the June 13, 2023 meeting Council passed the following resolution based upon a notice of motion brought forward by Mayor Miller :**

**Resolution 2023 – 128**

**Moved By: Mayor Cathy Miller**

**Seconded By: Councillor Sherri Smith Ouellette**

**WHEREAS, Council has a duty to protect staff, Committee Members and Council from harassment not only internally but from members of the public. A policy that defines harassment, provides guidance to staff, committee and Council members when it occurs and reprisal for vexatious and frivolous complaints and confrontations from the public is required in order to formally address harassment in the workplace from all sources.**

**THEREFORE BE IT RESOLVED that the Council of the Township of Pelee hereby direct Administration to create a policy to address harassment from the public.**

**CARRIED**

A Workplace Harassment Prevention policy was adopted on February 25, 2019 as part of a review of human resource policies for the Township of Pelee.

**3. DISCUSSION:**

The draft policy is presented for Council review and approval. The policy amendments include verbiage to address harassment from members of the public. The policy as it exists includes all employees, contractors for the Township, seasonal employees, clients and customers of Township services, members of Council, boards, committee, volunteers and any person engaged in business with the Township and visitors of Township of property.

Considerable review of various policies in place with a variety of municipalities was undertaken in consultation with legal counsel from the McTague Law Firm. Upon review of the Workplace Harassment Prevention policy currently in place for the Township it was determined that the existing policy already contemplates harassment involving customers and clients. The proposed amendments will expand the policy further to include remedies such as written warning to a member of the public as well as reserving the right to impose restrictions for access to services provided by the municipality up to and including a trespass order.

**4. FINANCIAL MATTERS:**

There are no financial implications associated with the adoption of the amendment to the policy

**5. CONSULTATIONS:**

Darwin Harasym and Garth Kidd of the McTague Law firm were consulted in preparation of this policy and have reviewed the draft policy presented with this report.

**6. CONCLUSION:**

That Council consider the suggested amendments to the existing Workplace Harassment Prevention policy and adopt the amended policy as presented.

---

Mary Masse  
Interim Clerk

**Attachments:**  
**Amended Workplace Harassment Prevention policy**

[LETTER HEAD HERE]

**The Township of Pelee**

**Human Resources Policy**

---

**Subject:** Workplace Harassment Prevention

**Policy#:** 2019-02-03

**Date Approved:** February 25, 2019

---

**POLICY STATEMENT**

The Corporation of the Township of Pelee (Township) condemns harassment, denigration, discriminatory actions, and the promotion of hatred. The Township will not tolerate, ignore, or condone discrimination or harassment and is committed to promoting respectful conduct, tolerance and diversity at all times. All employees are ~~responsible-~~ responsible for respecting the dignity and rights of their co-employees and the public they serve. Further, members of the public are expected to respect the dignity and rights of all Township employees engaged in providing public services.

Appropriate disciplinary, remedial, and/or legal action will be taken according to the situation.

**PURPOSE**

The policy and its supporting guidelines are intended to:

1. Maintain a work environment free from workplace harassment;
2. Provide a definition of workplace harassment and sexual harassment;
3. Identify the roles and responsibilities of management and staff to maintain a workplace free of harassment; and
4. Establish measures and procedures for employees and Members to report incidents of workplace harassment and for the Township to investigate and manage incidents or complaints in a manner that is appropriate to the circumstances.

**APPLICATION**

The *Workplace Harassment Prevention Policy* applies to all employees, contractors for the Township, seasonal employees, clients and customers of Township services,

**Commented [GK1]:** Note that this is pre-existing language.

Members of Council/boards/committees (Members), volunteers, any person engaged in business with the Township, and visitors to Township property.

The Township's *Workplace Violence Prevention Policy* should be consulted regarding actual, attempted or threatened acts of violence.

## DEFINITIONS

Workplace means all Township facilities and work sites, including vehicles and any other land, premises, locations or things at, upon, in or near where the business of the Township is conducted. Included in this definition are Township-related activities, including sanctioned social functions, or business performed at any other location away from the Township, during or outside of normal working hours.

The *Occupational Health and Safety Act* defines workplace harassment as engaging in a course of vexatious comment or conduct against an employee in a workplace that is known or ought reasonably to be known to be unwelcome. This definition includes workplace sexual harassment.

This may include, but is not limited to:

- slurs or derogatory remarks;
- threats;
- inappropriate jokes, innuendos, name-calling, teasing;
- insulting gestures;
- practical jokes which result in embarrassment;
- displaying pin-ups, pornography, racist, homophobic or other offensive materials;
- use of electronic communications such as the internet and e-mail to harass;
- actions that invade privacy;
- spreading rumours that damage one's reputation;
- refusing to work with ~~another~~ another particular Township employee;
- condescending or patronizing behaviour in delivering or requesting services;
- abuse of authority which undermines performance or threatens employment.

There is no legal obligation for an individual to tell a harasser to stop. The fact that a person does not explicitly object to harassing behaviour, or appears to be going along with it does not mean that the behaviour is not harassing or that it has been consented to.

Workplace harassment often involves a course or grouping of behaviours. However, a single serious incident of such behaviour that has a lasting harmful effect on an employee may also constitute workplace harassment.

This policy is not intended to interfere with constructive feedback regarding performance or operational directives provided to employees by the Clerk or department managers.

Examples of workplace harassment may include a pattern of:

- frequent angry shouting/yelling or blow-ups;
- regular use of profanity and abusive language;
- verbal or e-mail threats (not including threats to exercise physical force which are covered by the workplace violence policy), intimidation;
- intimidating behaviours i.e.e.g. slamming doors, throwing objects;
- targeting Individual(s) in humiliating practical jokes;
- excluding, shunning, impeding work performance;
- spreading gossip, rumours, negative blogging, cyberbullying;
- retaliation, bullying, sabotaging;
- unsubstantiated criticism, unreasonable demands;
- frequent insults and/or name calling;
- public humiliation;
- communication that is demeaning, insulting, humiliating, mocking;
- making vexatious or frivolous demands of Township employees;
- intent to harm; or,
- a single, serious incident that has a lasting, harmful impact.

Formatted: Character scale: 100%

Workplace harassment does not include:

- legitimate performance/probation management;
- appropriate exercise and delegation of managerial authority;
- operational directives;
- a disagreement or misunderstanding;
- reasonable and professional conflict between co-employees;
- work related change of location, co-employees, job assignment;
- appropriate discipline;
- less than optimal management;
- a single comment or action unless it is serious and has a lasting harmful effect;
- rudeness unless it is extreme and repetitive; or,
- conditions in the workplace that generate stress (technological change, impending layoff, a new boss, friction with other employees, workload, etc.).

Workplace sexual harassment means:

- (a) engaging in a course of vexatious comments or conduct against an employee in a workplace because of sex, sexual orientation, gender identity or gender expression, where the course of comment or conduct is known or ought reasonably to be known to be unwelcome; or
- (b) making a sexual solicitation or advance where the person making the solicitation or advance is in a position to confer, grant or deny a benefit or advancement to the employee and the person knows or ought reasonably to know that the solicitation or advance is unwelcome;

This may include, but is not limited to:

- a sexual advance or solicitation from anyone if the person knows or ought to know the advance is unwelcome - especially if the advance is from a person in a position to give or deny a benefit, to engage in a reprisal, or if a threat of reprisal is made if the advance is rejected;
- sexually suggestive or obscene remarks or gestures;
- leering (suggestive staring) at a person's body;
- unwelcome physical contact;
- having to work in a sexualized environment (bragging about sexual prowess, or discussions about sexual activities);
- circulation or posting of sexist jokes or cartoons, display of pin-up calendars or other objectifying images;
- negative stereotypical comments based on gender, sex or sexual orientation;
- gender related comments about an individual's physical characteristics or mannerisms and/or behaviours that reinforce traditional heterosexual gender norms; or,
- exercising power over another person, making them feel unwelcome or putting them 'in their place' - motivated by sexual interest

This policy is not intended to interfere with normal social interaction between employees.

#### **RESPONSIBILITIES**

Employees and Members are encouraged to report any incidents of workplace harassment to the Clerk and complete a Workplace Harassment Complaint Form. If the incident involves the Clerk the employee or Member shall report the incident to the Mayor or in his/her absence the Deputy Mayor.

Management will investigate and deal with all complaints or incidents of workplace harassment in a fair, respectful and timely manner. Information provided about an incident or about a complaint will not be disclosed except as necessary to protect employees and Members, to investigate the complaint or incident, to take corrective action or as otherwise required by law.

Managers, employees and Members are expected to adhere to this policy, and will be held responsible by the employer for not following it. Employees and Members are not to be penalized or disciplined for reporting an incident or for participating in an investigation involving workplace harassment.

If an employee or Member needs further assistance, he or she may contact the municipal health and safety representative, or Human Rights Legal Support Centre at 1-866-625-5179

## **REPRISAL**

This policy prohibits reprisals against individuals, acting in good faith, who report incidents of workplace violence or act as witnesses. Management will take all reasonable and practical measures to prevent reprisals, threats of reprisal, or violence. Reprisal is defined as any act of retaliation, either direct or indirect.

## **REPORTING WORKPLACE HARASSMENT**

### **1. How**

An incident or a complaint of workplace harassment should be reported as soon as possible after experiencing or witnessing an incident. This allows the incident to be investigated in a timely manner. Employees can report incidents or complaints of workplace harassment verbally or in writing. When submitting a written complaint, please use the workplace harassment complaint form in Appendix 1. When reporting verbally, the reporting contact, along with the employee complaining of harassment, will fill out the complaint form.

The report of the incident should include the following information:

- i. Name(s) of the employee who has allegedly experienced workplace harassment and contact information;
- ii. Name of the alleged harasser(s), position and contact information (if known);
- iii. Names of the witness(es) (if any) or other person(s) with relevant information to provide about the incident (if any) and contact information (if known);
- iv. Details of what happened including date(s), frequency and location(s) of the alleged incident(s);
- v. Any supporting documents the employee who complains of harassment may have in his/her possession that is relevant to the complaint; and
- vi. List any documents a witness, another person or the alleged harasser may have in their possession that is relevant to the complaint.

### **2. Who**

Report a workplace harassment incident or complaint to the Clerk. If the incident or complaint involves the Clerk report to the Mayor and in his/her absence the Deputy Mayor.

An investigation that is appropriate in the circumstances will be conducted. If the incident or complaint involves the Clerk, an external person qualified to conduct a



workplace harassment investigation who has knowledge of the relevant workplace harassment laws will be retained to conduct the investigation.

All incidents or complaints of workplace harassment shall be kept confidential except to the extent necessary to protect employees, to investigate the complaint or incident, to take corrective action or otherwise as required by law.

## **INVESTIGATION**

### **1. Commitment to Investigate**

The Township will ensure that an investigation appropriate in the circumstances is conducted when the Clerk becomes aware of an incident of workplace harassment or receives a complaint of workplace harassment.

### **2. Who Will Investigate**

The Clerk will conduct the investigation into the incident or complaint of workplace harassment. If the allegations of workplace harassment involve the Clerk, the investigation will be conducted by the Mayor and in his/her absence the Deputy Mayor.

### **3. Timing of the Investigation**

The investigation must be completed in a timely manner and generally within 90 days or less unless there are extenuating circumstances (i.e. illness, complex investigation) warranting a longer investigation.

### **4. Investigation Process**

The investigator will, at minimum, ensure the following:

- i. The investigation is kept confidential and identifying information is not disclosed unless necessary to conduct the investigation. The investigator should remind the parties of this confidentiality obligation at the beginning of the investigation;
- ii. Thoroughly interview the employee who allegedly experienced the workplace harassment and the alleged harasser(s), if the alleged harasser is an employee of the Township. If the alleged harasser is not an employee, the investigator should make reasonable efforts to interview the alleged harasser;
- iii. Provide the alleged harasser(s) the opportunity to respond to the specific allegations raised by the employee. In some circumstances, the employee who allegedly experienced the workplace harassment should be given a reasonable opportunity to reply;

- iv. Interview any relevant witnesses employed by the Township who may be identified by either the employee who allegedly experienced the workplace harassment, the alleged harasser(s) or as necessary to conduct a thorough investigation. The investigator must make reasonable efforts to interview any relevant witnesses who are not employed by the Township if there are any identified;
- v. Collect and review any relevant documents;
- vi. Take appropriate notes and statements during interviews with the employee who allegedly experienced workplace harassment, the alleged harasser and any witnesses; and,
- vii. Prepare a written report summarizing the steps taken during the investigation, the complaint, and the allegations of the employee who allegedly experienced the workplace harassment, the response from the alleged harasser, the evidence of any witnesses, and the evidence gathered. The report must set out findings of fact and come to a conclusion about whether workplace harassment was found or not.

#### **5. Results of the Investigation**

Within 10 days of the investigation being completed, the employee who allegedly experienced the workplace harassment and the alleged harasser, if the he/she is an employee of the Township, will be informed in writing of the results of the investigation and any corrective action taken or that will be taken by the Township to address workplace harassment.

#### **6. Confidentiality**

Information about complaints and incidents shall be kept confidential to the extent possible. Information obtained about an incident or complaint of workplace harassment, including identifying information about any individuals involved, will not be disclosed unless disclosure is necessary to protect employees, to investigate the complaint or incident, to take corrective action or otherwise as required by law. While the investigation is on-going, the employee who has allegedly experienced harassment, the alleged harasser(s) and any witnesses should not discuss the incident or complaint or the investigation with each other or other employees or witnesses unless necessary to obtain advice about their rights. The investigator may discuss the investigation and disclose the incident or complaint-related information only as necessary to conduct the investigation.

All records of the investigation will be kept confidential.

#### **7. Interim Action**

In certain circumstances, it may be necessary to take immediate measures. In such a case, interim measures shall be determined by the Clerk, or if the complaint is against the Clerk, the Mayor and in his/her absence the Deputy Mayor. Interim measures may include but are not limited to relocating the alleged harasser(s) or placing said party on a non-disciplinary suspension with pay (only applicable to salary employees), pending the resolution of the complaint or outcome of the investigation. For example, if the incident involves a member of the public, the Employee may be permitted to refuse to deal further with that individual provided that another Township Employee is available to address their concerns.

### **8. Corrective and/or Disciplinary Action**

Where a finding of workplace violence has been made, the Clerk will determine the appropriate disciplinary action. If the Clerk is the aggressor, the determination of appropriate disciplinary action will be made by the Mayor and in his/her absence the Deputy Mayor.

Where it is determined that corrective action or disciplinary action is to be taken against an employee of the Township, such action may include, but is not limited to, the following:

- an apology
- education/training
- written warning
- suspension/leave without pay
- demotion
- transfer
- termination of employment

Where it is determined that corrective action is to be taken against Member(s) of Council, volunteers (including committee members), individuals contracted by the Township, clients or customers, the Township will take such corrective action as is reasonable in the circumstance and permitted by law to ensure that the workplace violence or domestic violence in the workplace stops. In the case of clients or customers, the Township will initially provide a written warning. However, the Township reserves the right to impose restrictions on their access to Township services, up to and including trespassing the individual from Township property, should any further incidents of harassment occur.

### **RECORD KEEPING**

The Clerk will keep records of the investigation including:

- (a) a copy of the complaint or details about the incident;

- (b) a record of the investigation including notes;
- (c) a copy of the investigation report (if any);
- (d) a summary of the results of the investigation that was provided to the employee who allegedly experienced the workplace harassment and the alleged harasser, if an employee of the Township;

(- (e) a copy of any corrective action taken to address the complaint or incident of workplace harassment.

All records of the investigation will be kept confidential. The investigation documents, including this report should not be disclosed unless necessary to investigate an incident or complaint of workplace harassment, take corrective action or otherwise as required by law. Records will be kept for 5 years.

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**Appendix 1**

**Workplace Harassment Prevention Complaint Protocol-Workplace Harassment Complaint Form**

Please note that signing a false affidavit may expose you to prosecution under Sections 131 and 132 or 134 of the Criminal Code, R, S, C, 1985, c. C 46, and also to civil liability for defamation.

Affidavit of \_\_\_\_\_  
(full name)

I, \_\_\_\_\_ of the \_\_\_\_\_  
(full name) (City, Township, etc.)

of (municipality of residence) \_\_\_\_\_ in the Province of  
Ontario,

**MAKE OATH AND SAY (OR AFFIRM):**

1. I have personal knowledge of the facts as set out in this affidavit, because

\_\_\_\_\_  
\_\_\_\_\_

(insert reasons e.g. I **work** for....I was on Township property when .... etc.)

2. I have reasonable and probable grounds to believe that,  
\_\_\_\_\_(specify name of alleged harasser), has  
contravened the *Workplace Harassment Prevention Policy*. The particulars of  
which are as follows:

(Set out the statements of fact in consecutively numbered paragraphs in the space below, with each paragraph being confined as far as possible to a particular statement of fact. If you require more space, please attach the materials as Exhibits A, B, etc. and attach them to this affidavit and mark each additional page as 2 of 2, 2 of 3, etc. at the top right corner.)

\_\_\_\_\_  
\_\_\_\_\_

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3. This affidavit is made for the purpose of requesting that this matter be acted upon in the manner outline in the *Workplace Harassment Prevention Policy*.

**SWORN** (or AFFIRMED) before me at  
The Township of Pelee in the Province of Ontario

\_\_\_\_\_  
(Commissioner of Oath)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Complainant Signature)

\_\_\_\_\_  
(Date)

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The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

Council approve amendments to the Workplace Harassment Prevention Policy # 2019-02-03.

RESOLUTION	RESULT	RECORDED VOTE		
	CARRIED		YES	NO
	DEFEATED			
	DEFERRED			
	REFERRED			
	PECUNIARY INTEREST DECLARED			
	RECORDED VOTE (SEE RIGHT)			
	WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE		

<p>The above is a certified to be true copy of resolution number 2023 –</p> <p>Mary Masse          Township Administrator &amp; Clerk</p>
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THE CORPORATION OF THE  
*Township Of Pelee*  
THE CORPORATION OF THE TOWNSHIP OF PELEE  
REPORT

<b>Author's Name: Eric Chamberlain</b>	<b>Report Date: September 5, 2023</b>
<b>Resolution #:</b>	<b>Date to Council: September 26, 2023</b>

**To: Mayor and Members of Council**

**Subject: Illegal Culvert Connecting East West Road Drain to Wiper Drain**

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**1. RECOMMENDATION:**

It is recommended that:

1. The report from Contract Drainage Superintendent dated September 5, 2023 regarding the Illegal Culvert Connecting East West Road Drain to the Wiper Drain **BE RECEIVED**;
2. The cost estimated provided by Total Source Contracting of \$3,000 to remove the culvert under Henderson Road and drain cleaning **BE APPROVED**.

**2. BACKGROUND:**

On July 18, 2023, the Drainage Superintendent and Gerard Rood, P. Eng., Rood Engineering met with Craig and Sondi Ryersee and Councilor Crawford to review their concerns with the Drainage Report for the McClure Bridge over the Curry Marsh Drain. During the site meeting, Mr. and Mrs. Ryersee made the Drainage Superintendent aware of the cross connection between Wiper Drain and East West Road Drainage System. There is a culvert installed under the Henderson Road that is allowing water to flow from the East West Road Drain West to the Wiper Drain. During the meeting, Mrs. Ryersee requested that landowners in the East West Road Drainage System be assessed as part of the McClure Bridge Replacement project due to the existents of this culvert.

**3. DISCUSSION:**

In review of the drainage reports for the both the East West Road Drainage System and Wiper Drain found that these systems were not connected in the past and the culvert was installed illegally. The Wiper Drain and the Crawford Drain have not improved to accept the additional storm water and therefore has been creating drainage issues for landowners on the Wiper Drain. The recommendation is to remove the culvert and pack and fill the crossing to prevent water flowing from East West Road Drain West to the Wiper Drain, Furthermore, the works should include maintaining the outlet portion of the East West Road Drain West along the east side of Curry Dyke Road to restore flow for the East West Road Drain West.

**4. FINANCIAL MATTERS:**

Total Source Contracting has provided a price of \$2,000 to remove the culvert under the Henderson Road and pack and plug the connection to prevent future drainage between the systems. The Township would be responsible for the cost of removing the culvert and plugging the crossing.

Total Source Contracting also provided a cost to maintain the outlet portion of the East West Road Drain West. The cost of maintain the outlet portion is estimated at \$1,000. The cost would be assessed to the lands and roads assessed in the current report for the East West Drainage System. This cost would be assessed in the following groups:

User Charges	\$ 230
OMAFRA Grant	\$ 70
Roads	\$2,770
Municipal Owned Properties	\$ 0
	\$3,000

**5. CONSULTATIONS:**

Dan Krutch, P. Eng., Landmark Engineers and Peter Letkeman, Total Source Contracting were consulted.

**6. CONCLUSION:**

The Contract Drainage Superintendent is recommending that the culvert under Henderson Road requires to be removed and filled to prevent storm water from draining from East West Road Drain System to the Wiper Drain. In addition, the outlet portion of East West Road Drain should be maintained to improve the flow of water for the East West Road Drain – West End.



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Eric Chamberlain  
**Contract Drainage Superintendent**

EC/

**Attachments:**

<p><b>DEPARTMENTS/OTHERS CONSULTED:</b></p> <p><b>Name:</b></p> <p><b>Title:</b>            <b>Email:</b></p>
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The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

1. The report from Contract Drainage Superintendent dated September 5, 2023 regarding the Illegal Culvert Connecting East West Road Drain to the Wiper Drain **BE RECEIVED**;
2. The cost estimate provided by Total Source Contracting of \$3,000 to remove the culvert under Henderson Road and drain cleaning **BE APPROVED**.

RESOLUTION RESULT	RECORDED VOTE		
CARRIED		YES	NO
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

<p>The above is a certified to be true copy of resolution number 2023 –</p> <p>Mary Masse          Township Administrator &amp; Clerk</p>
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THE CORPORATION OF THE  
*Township Of Pelee*  
THE CORPORATION OF THE TOWNSHIP OF PELEE  
REPORT

<b>Author's Name: Eric Chamberlain</b>	<b>Report Date: August 16, 2023</b>
<b>Resolution #:</b>	<b>Date to Council: August 22, 2023</b>

**To: Mayor and Members of Council**

**Subject: Trent University Request to Use Pelee Municipal Drain Layer**

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**1. RECOMMENDATION:**

It is recommended that:

1. The report from the Drainage Superintendent dated August 16, 2023 regarding the engineer's report regarding Trent University request to use Pelee Municipal Drain Layer **BE RECEIVED**;
2. Trent University **BE APPROVED** to use the Pelee Island Municipal Drain Layer for the purpose of completing tracking Crayfish movements with focus on the White River Crayfish.

**2. BACKGROUND:**

On July 28, 2023, Trent University contacted Essex Region Conservation Authority to request the use of the municipal drain layer on Pelee Island.

**3. DISCUSSION:**

On August 8, 2023, Essex Region Conservation Authority contacted the Drainage Superintendent to gain approval for the release of the Municipal Drain Layer to Trent University. The Drainage Superintendent contacted representatives from Trent University to understand the use of the municipal drain layer.

Trent University have been completing reach on the salamanders complex on Pelee Island. During the salamander research, the Trent team would sometime catch crayfish. Over time the Trent team realized that burrows that the native Digger crayfish create are important habitat for the salamanders. Based on the crayfish collected, Trent team started documenting the crayfish on Pelee Island and found there were three (3) crayfish species:

- Digger Crayfish (Native)
- Calico Crayfish (Native)
- White River Crayfish (Non-Native)

The White River Crayfish have been shown to destabilize shorelines and promote erosion.

The Trent Team is trying to better understand the current distribution of White River Crayfish on Pelee Island and want to evaluate how they might disperse or expand their distribution across the island. They are interested in the municipal drainage layer because they think the crayfish might use the drainage canals as habitat or as ways to move and colonizing new areas. The municipal drain layer would be used to determine

- how the crayfish might spread across the island
- why they still appear absent from some areas
- how the native crayfish and ecosystems might be impacted by this non native species.

At this time, the Trent Team has no plans to conduct any surveys in the municipal drainage system. This work will not impact the municipality's ability to use or dredge the drainage system. It will simply help them better understand, predict, and plan for any impacts of White River Crayfish on Pelee Island's natural ecosystems.

If residents want to help us better understand the distribution of native and non-native crayfish, they can do so by taking photos of any crayfish they capture and posting it on iNaturalist. They are also welcome to reach out via email ([thossie@trentu.ca](mailto:thossie@trentu.ca)).

Administration has requested that Trent University share the final research paper on the Crayfish and provide presentation to Pelee Council in the future.

#### **4. FINANCIAL MATTERS:**

There is no financial impact.

#### **5. CONSULTATIONS:**

There were no consultations.

**6. CONCLUSION:**

The Township of Pelee provides approval to Essex Region Conservation Authority to allow Trent University to use the Municipal Drain Layer Data for crayfish research with the focus on the non-native species White River Crayfish.



---

Eric Chamberlain  
**Contract Drainage Superintendent**

EC/

**Attachments:**

Hossie and Hamr 2022 Freshwater Crayfish – First Records of White River Crayfish in Canada  
Hossie and Hamr – Crayfish Poster

**DEPARTMENTS/OTHERS CONSULTED:**

**Name:**

**Title:**           **Email:**

# Non-native White River Crayfish on Pelee Island: Habitat Use and Possible Threats to Imperilled Taxa

Thomas J. Hossie<sup>1</sup> and Premek Hamr<sup>2</sup>

<sup>1</sup>Department of Biology, Trent University, 2140 East Bank Drive, Peterborough, Ontario, K9J 7B8, Canada.

<sup>2</sup> 2217 Hillview Drive, Bethany, Ontario, L0A 1A0, Canada.



## Background:

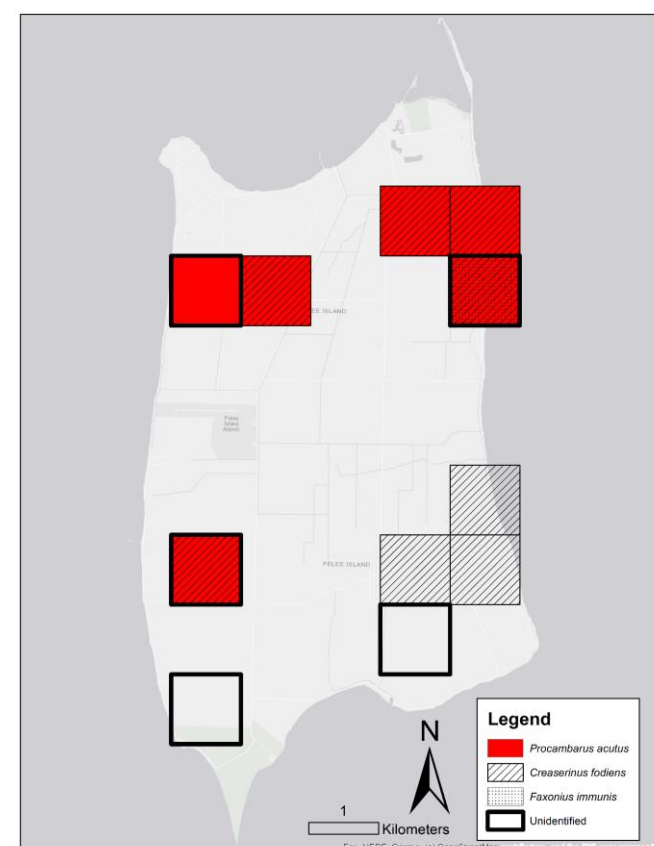
- Freshwater crayfish rank among the most imperilled groups and play several critical roles in freshwater ecosystems.
- Survey efforts remain limited throughout much of Canada & North America.
- Inadequate monitoring renders our ecosystems vulnerable to harmful invasive species which can be difficult or impossible to control following establishment.
- Previous surveys for crayfish on Pelee Island, ON in 1960s, with limited subsequent effort.

## White River Crayfish (*Procambarus acutus*)

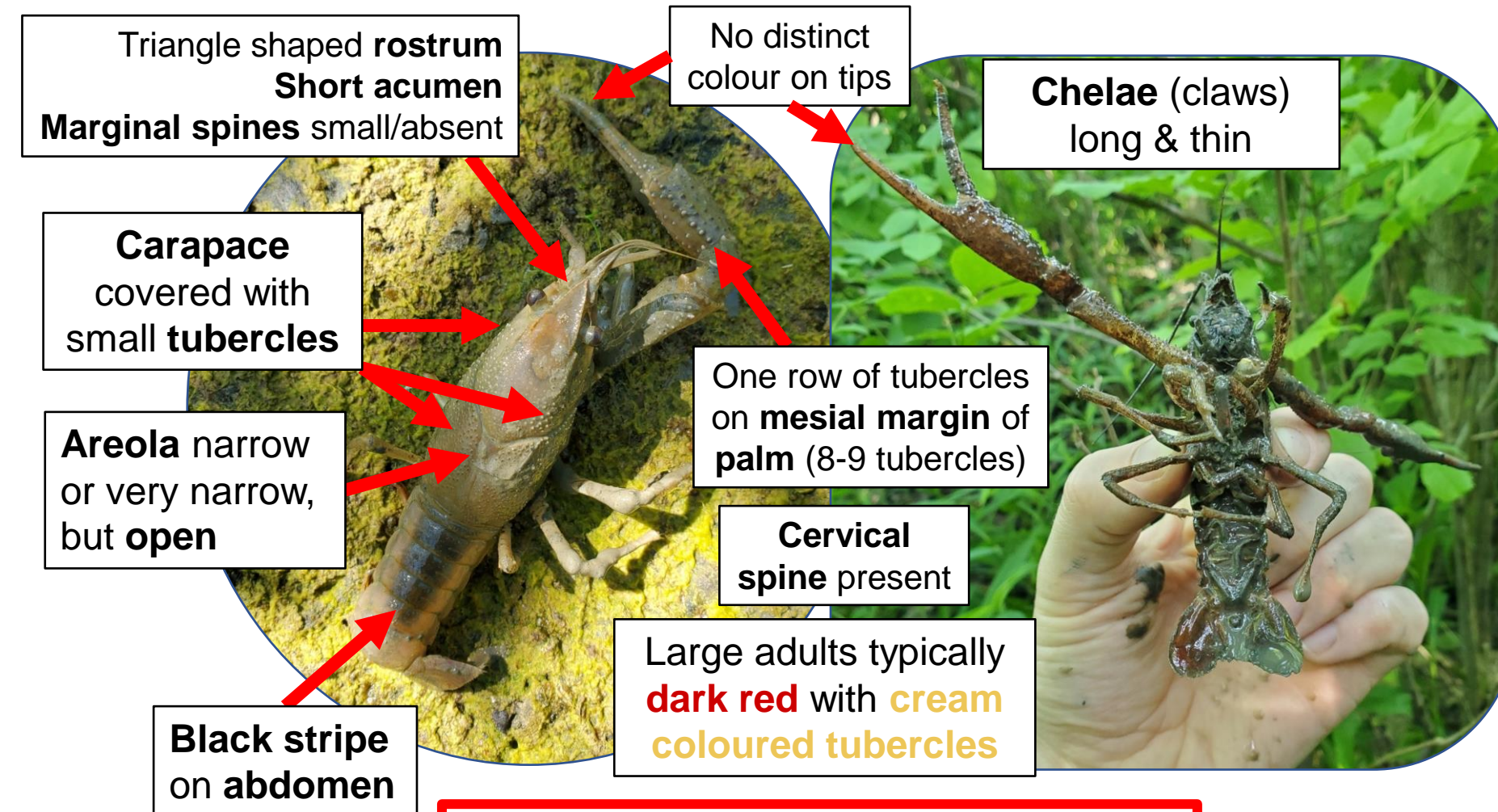
- Prefer waters with **no flow / slow flow** with silt / muck substrate
- Tertiary burrows (burrows for breeding & dry periods), **no chimney**
- Species used in aquaculture and as **bait for fishing**
- Females lay as many as **556 eggs**

## Methods:

- Compiled obs. from opportunistic collections on Pelee Island, ON (2015-2022)
- Most collections made during dip-net surveys for salamander larvae.
- Concerted effort to collect photographic vouchers to ID crayfish in 2022
- Habitat data collected & examined to compare species



**Figure 1.** Locations of identified freshwater crayfish observed on Pelee Island, Ontario, Canada from 2015–2022



**Now reportable in Ontario:**

[www.EDDMapS.org](http://www.EDDMapS.org)

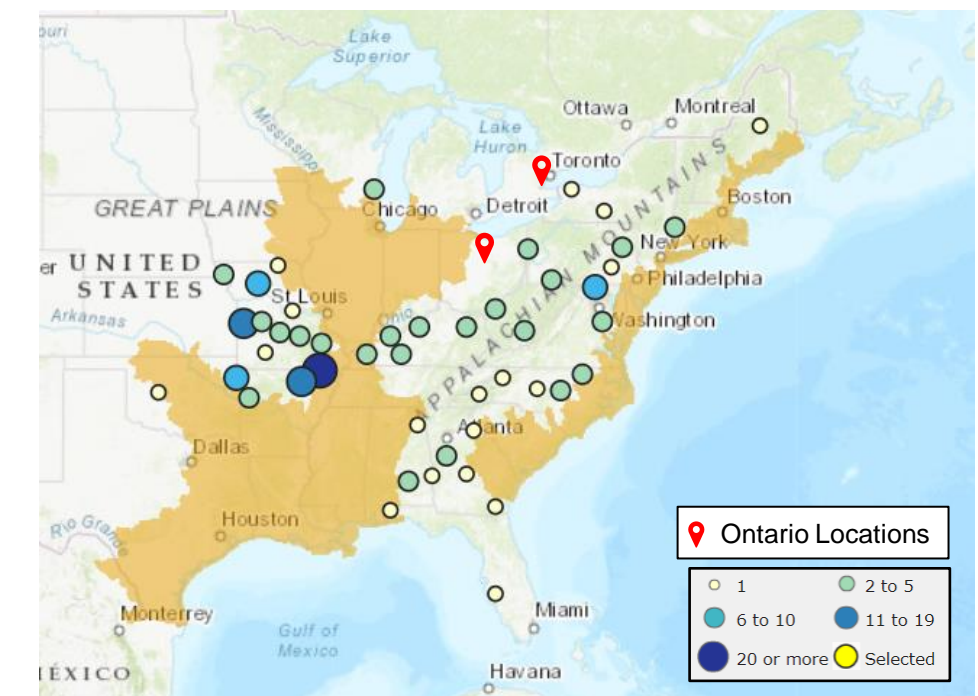
Bringing crayfish into Ontario for use as bait is **prohibited** by the Fisheries Act (implemented through the Ontario Fishery Regulations, 2007).

Crayfish may only be used as bait in the **same waterbody where caught**, and **may not be transported overland** in Ontario.

Some individuals light **brown / grey** and **mottled** with **dark spots**



**Gonopod** (male reproductive organ) ends in four short elements, that curve laterally from the midline



USGS map of native range and introduced records. Updated Mar 12 2023. Ontario locations added in **red**.

## Results:

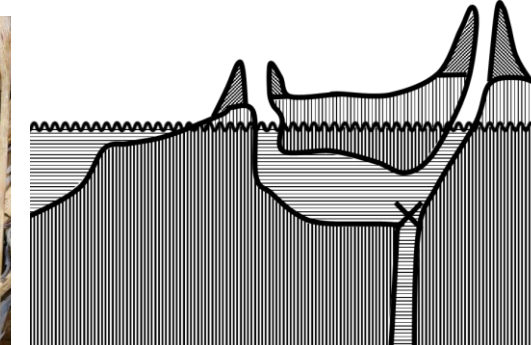
- Native *Creaserinus fodiens* & *Faxonius immunis* detected.
- *P. acutus* detected in **10 waterbodies** on Pelee Island, ON
- Oldest record of *P. acutus* is from **2015**
- Species **widespread** and **well-established** on Pelee Island, ON
- **Deeper waterbodies** with **lower dissolved oxygen**, further from the **forest edge** than the other crayfish species
- Appear to prefer sites with **clay soils**
- Appear to do well in **newly constructed ponds**, or perhaps are just the first to colonize these sites.
- Recent iNaturalist records (2021, 2022) from Six Mile Lake (44.89386, -79.75193) and Little Lake both located near Port Severn, Muskoka District and **directly connected to Georgian Bay in Lake Huron**.
- Two more positive sightings at a different site on Six Mile Lake in October 2022 by PH

## Possible threat to:

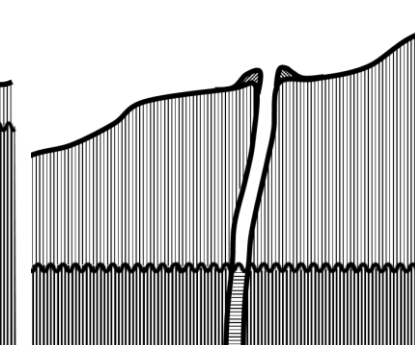
- Digger Crayfish (*Creaserinus fodiens*) [**Rank S3**]
- Small-mouthed Salamander (*Ambystoma texanum*) - **Endangered**
- Use *C. fodiens* burrows as terrestrial retreat / hibernacula
- Native freshwater ecosystems across Ontario



*Creaserinus fodiens*



*Creaserinus fodiens* burrow. Redrawn from Crocker and Barr (1968)



*P. acutus* burrow



*P. acutus* burrow Note the lack of chimney



A Small-mouthed Salamander using *C. fodiens* burrow

Hossie, T.J., Hamr, P. (2022) First records of White River Crayfish (*Procambarus acutus*) in Canada on Pelee Island, ON, with notes on other crayfish species present and their habitats. *Freshwater Crayfish* 27: 9–16



The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 12, 2023

Resolution 2023 –	
Moved by:	Seconded by:

It is recommended that:

1. The report from the Drainage Superintendent dated August 16, 2023 regarding the engineer’s report regarding Trent University request to use Pelee Municipal Drain Layer **BE RECEIVED**;
2. Trent University **BE APPROVED** to use the Pelee Island Municipal Drain Layer for the purpose of completing tracking Crayfish movements with focus on the White River Crayfish.

RESOLUTION RESULT	RECORDED VOTE		
CARRIED		YES	NO
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

The above is a certified to be true copy of resolution number 2023 –

Mary Masse  
 Interim Clerk

 THE CORPORATION OF THE  
*Township Of Pelee*  
THE CORPORATION OF THE TOWNSHIP OF PELEE  
REPORT

<b>Author's Name: Eric Chamberlain and Mack Feltz</b>	<b>Report Date: August 31, 2023</b>
<b>Resolution #:</b>	<b>Date to Council: September 26, 2023</b>

**To: Mayor and Members of Council**

**Subject: 2023 Flood Review from the August 24, 2023 Rain Event**

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**1. RECOMMENDATION:**

It is recommended that:

1. The report from the Contract Drainage Superintendent and Drainage Commissioner dated August 31, 2023 regarding 2023 Flood Review from the August 24, 2023 Rain Event **BE RECEIVED as information.**

**2. BACKGROUND:**

On August 23 & 24, 2023, Essex Region experienced storm events that resulted in wide spread flood across the County. Based on data from Landmark Engineer and rain gauges on Pelee Island, Pelee Island saw between 200 and 250 mm over a 37 hour period with the bulk of the rain falling in 5-hour period in the early morning of August 24, 2023.

As a result, Mayor Miller requested the following reports be prepared to provide Pelee Council with information and discussion:

1. Report from the Contract Drainage Superintendent on his assessment of performance of drainage system in recent rain event.
2. Report from the Drainage Pump Commissioner on his assessment of performance of the pumphouses in the recent rain events.

### 3. DISCUSSION:

#### Drainage System Review:

Based on rain gauge information from residents on Pelee Island, Pelee Island received between 212-225 mm of rain over a 37-hour period. The bulk of the rain occurred in the early hours of August 24, 2003. Included in the report is information gathered by Landmark Engineers on the over rain amounts over the County of Essex. When it comes to design of the storm drainage system under the Drainage Act, the engineer is required to design to 1-2 year or 1-5 year storm event. In most cases, open municipal drain has greater capacity and storage abilities. Furthermore, drainage canals with pump systems have a greater capacity to allow for storage for pumping operations.

When it comes to the Island, the Island has a shallow bedrock that prevents storm water from absorbing into the ground. Therefore, all rain event will have most of the water run-off and requires pumping to remove the water.

Since 2018, the Contract Drainage Superintendent has attempted to maintain and improve the drainage system by completing the following projects:

- Big Marsh Drain No. 2 and West Branch Drain No. 1
- Henderson, Hooper and Irwin Parsons Drains
- Stoltz Drain
- Gardner and Huffman Drain

#### Drainage project under construction:

- Big Marsh Drain No. 4 and Patsy Carter Outlet Drain
- Hamel Drain Extension Improvements
- Hamel Drain Improvements

#### Future Municipal Improvements

- Repair of the North Pump No. 2 Discharge Outlet
- Big Marsh Drain No. 1 Improvements

#### Matters for discussion:

**Improvements to the Pump Stations to allow for Auxiliary Pump** – It is the understanding that there is a ramp at the North Pump Station that will allow for the portable pump to be installed to assist in flooding situation. The ramp is rumored to be behind the current location of the fuel tanks. This should be verified and modified/maintained to allow for installation of auxiliary pump. If not, the North Pump Station should be modified to add an auxiliary pump either stationary or mobile. Mobile would provide the ability to assist the West and Curry Pump Stations when needed.

**Improvements of an Auxiliary Pump** – Recently, the Contract Drainage Superintendent was made aware of an existing auxiliary pump is stationed on the old firehall being the Pelee Heritage Centre. This auxiliary pump could assist the Township with pumping the water off the island post storm. Furthermore, the auxiliary pump could be helpful during pump maintenance or if a pump is not operational for any period of time. The Township should confirm ownership and who responsibility it is to maintain and purchase parts for the pump. In addition, staff should get familiar with setup and operation of the auxiliary pump and on an annual or bi annual basis operate the pump with all staff.

**Design of an overflow channel on East Side** – During and after this rain event, landowners along Cooper Road and East Shore Road wanted to reopen the outlet of the of Huffman Drain which is located on the south side of East West Road and the Lake Erie. This outlet was closed and plugged to prevent flooding from the Lake Erie during high lake event. In the 1993 for the East West Road Drainage System, the Gardner Drain was improved and Huffman Drain was redirected into the Big Marsh Drainage System. Further discussion was had on creation of an overflow canal that could be accessed during flooding situations to allow for release of storm water. This would provide relief to the area at around Cooper and East Shore Road near East West Road. The overflow will provide some relief to the Big Marsh Pump System as it removed water that was designed to be pumped. Concern is that as witnessed on Cooper Road, it is difficult to control storm water and this option should be carefully reviewed and engineered to ensure that the future storm water release does not impact water well systems or private properties or their structures.

**Design of retention pond on the east side of Cooper Road to control water run-off from the Stone Alvar** – In discussions with the residents on Cooper Road, the water overtopped the drain on the west side of Cooper Road. As stated, the bedrock being shallow which does not allow for absorption into the ground and overall increase of water run-off. Consideration should be given to creation of the retention pond to contain the water run-off and release at a reduced rate to prevent drains from being overwhelmed. This could be a consideration for not only the system along Cooper Road but within each drainage system. The creation of dry ponds that would contain stormwater runoff and release the water at a lower rate would assist the system. This would need to be review carefully and design engineer should be retained to prepare plans. Ultimately, the works should be completed under the Drainage Act and assessed to the lands and roads that benefit from the drainage works.

**The Loss of Storage Capacity of the Round Marsh Pump System** – The elimination of the pump station at the Round Marsh Drainage System has saw additional water directed to the Big Marsh Drainage System. The Round Marsh Diversion Drain redirected flows and eliminated the Round Marsh Pump Station. This was trapped water in the Round Marsh Drainage System and potentially reduced the storage capacity that was provided by the Round Marsh Drainage Canals. The island should utilize all storage capacity as much as possible to assist in extreme storm events.

**Raising road elevations** – Roads were flooded because of the major rain event and caused the following roads to be unpassable.

- Parsons Road
- Victoria Road
- Henderson Road
- McCormick Road (Fish Point)
- Cooper Road

Raising roads back to the past road elevations will provide access in emergency flooding of the island. Victoria and Henderson Roads should be raised by a foot in some location.

**McCormick Road** – There is a culvert just south of the entrance into Fish Point that is collapsed and requires replacement. The Drainage Superintendent has been in communication with Parks Ontario to discuss the install of a water control structure to ensure the new culvert installation does not adversely impact the Fish Point Wetland area. This would provide improved drainage in and around Fish Point and minimize the impacts to the wetland area.

### **Pump Operations Review:**

Prior to the rain event of August 24, the Drainage Systems were pumped down to assist in drainage project throughout the island. The West Pump and canals were drained to allow work to be completed on Big Marsh Drain No. 4 and Patsy-Carter Outlet Drain. The August 24<sup>th</sup> rain event put the Township's pumps and pumphouse operators to the test and overall everything ran smoothly. The Pelee residents should recognize the highly dedicated team of pump house operators and the hours that was required to drain the storm water from this event.

- The Curry Marsh and Big Marsh drainage systems both started up in the early morning hours of August 24<sup>th</sup> and ran around the clock for multiple days. The Curry Marsh shut down August 29<sup>th</sup> after running for 5 days which resulted in approximately 120 hours of pump operations.
- The Big Marsh shut down September 1<sup>st</sup> after running for 8 days which resulted in approximately 200 hours of pump operations.

After the initial shut down of both Marsh Pump Systems they were started back up to pump down levels as needed from tiles and drains still flowing water into the canals. Overall the pumps handled the rain event well with minor issues. The main issue was pump engines were over heating from running for so many hours in warmer weather which impacted the operations of the pumps. The Pump Operators managed the over-heating concerns with floor fans and built-in ventilation systems within the pump buildings. During this event, the Pump Operator must occasionally shut down the engines to reduce temperature and opening pump house doors to offer more air flow. During a power outage heat management becomes a big problem with the loss of all ventilation fans either built-in and floor models. In addition, the pump stations over-heating, the pump stations almost ran out of fuel due to a shortage on the island. In the future, this is something administration will have to be keep an eye on during extended pumping operations.

Administration had to purchase fuel from a supplier of the farming operation on the island to ensure there was fuel to continue pumping on August 30.

Improvements to note and investigate for the future:

- Ventilation systems that be operational during power failures
- Auxiliary pump options for emergency rain events or pump failures
- Continuing to bring in and train new pump house operators so we are ready for events like this in the future
- Emergency lighting in the event of extended power failure during the night

4. **FINANCIAL MATTERS:**

There are no Financial considerations included in this report. However, there are options to be considered by Council which will require funding if Council chooses to proceed with some of the projects.

5. **CONSULTATIONS:**

There were no consultations.

6. **CONCLUSION:**

The residents of Pelee Island experienced an extreme weather event that exceeded the 1-100 year storm event. There are options that Council and the residents that should be considered to assist in managing the stormwater in extreme rain events. This report was provided for information purposes and would require further direction from Council on further projects in order to improve the islands ability to manage flooding situations.

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Mack Feltz  
**Drainage Commissioner**



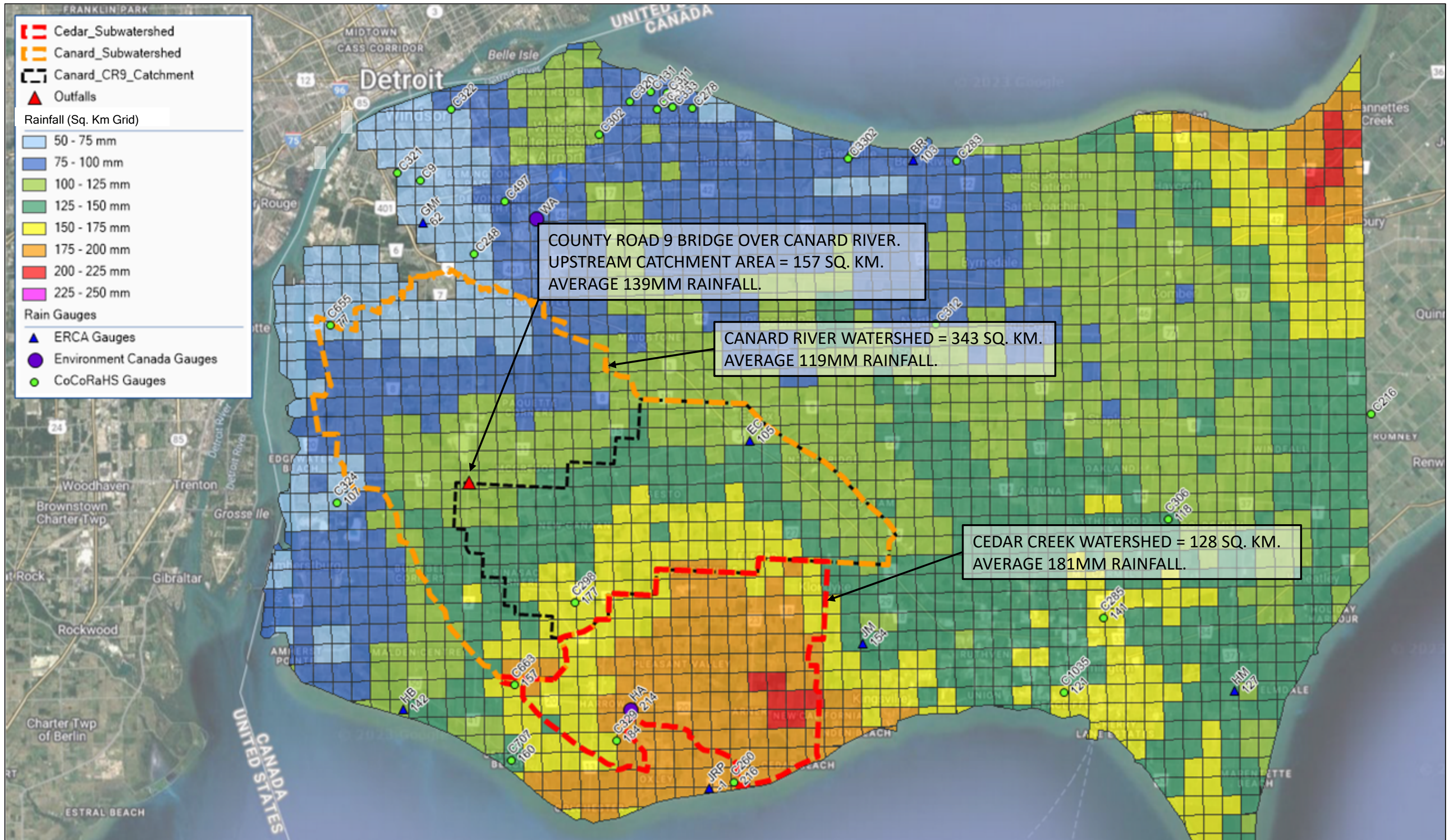
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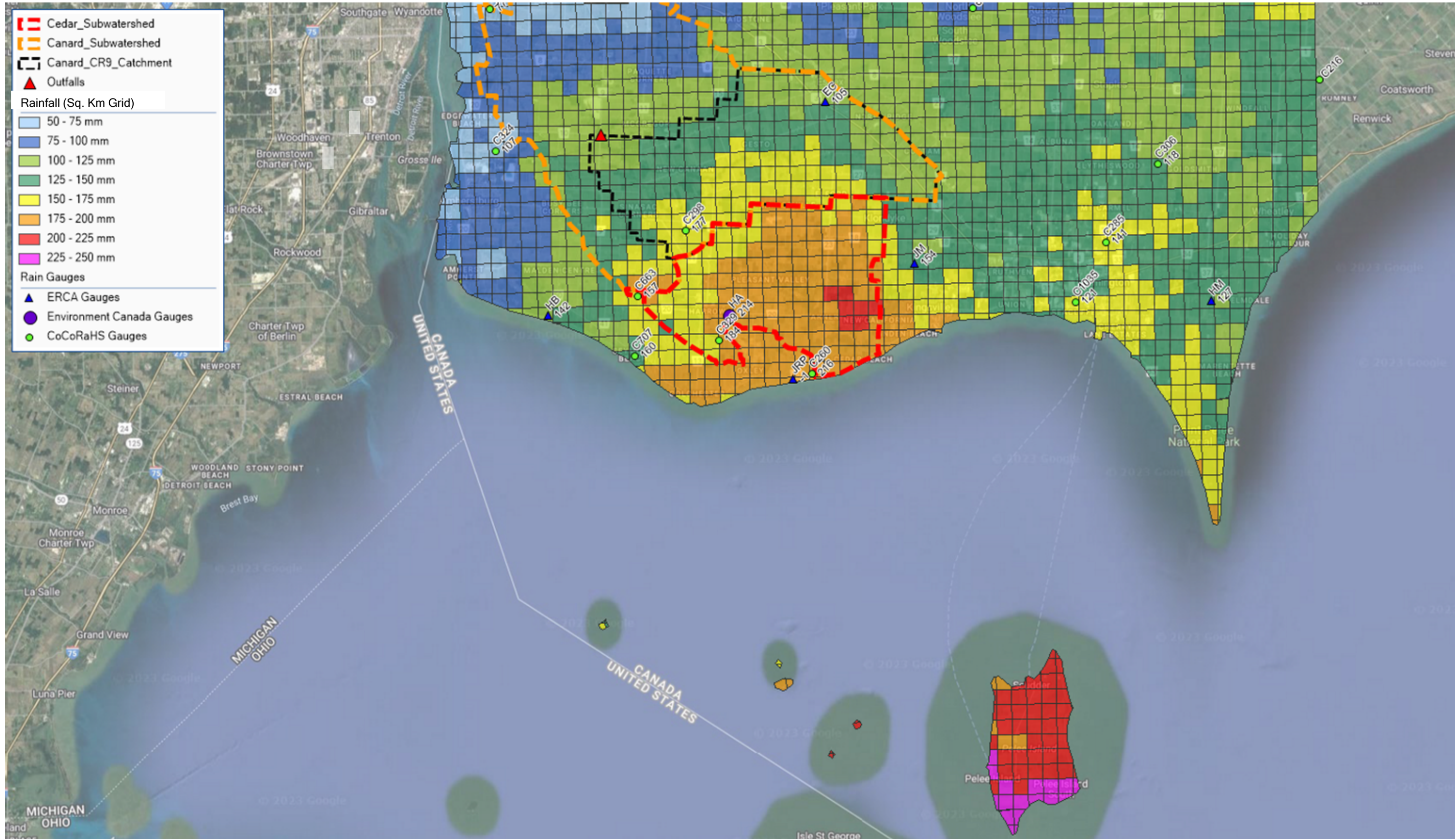
Eric Chamberlain  
**Contract Drainage Superintendent**

EC/

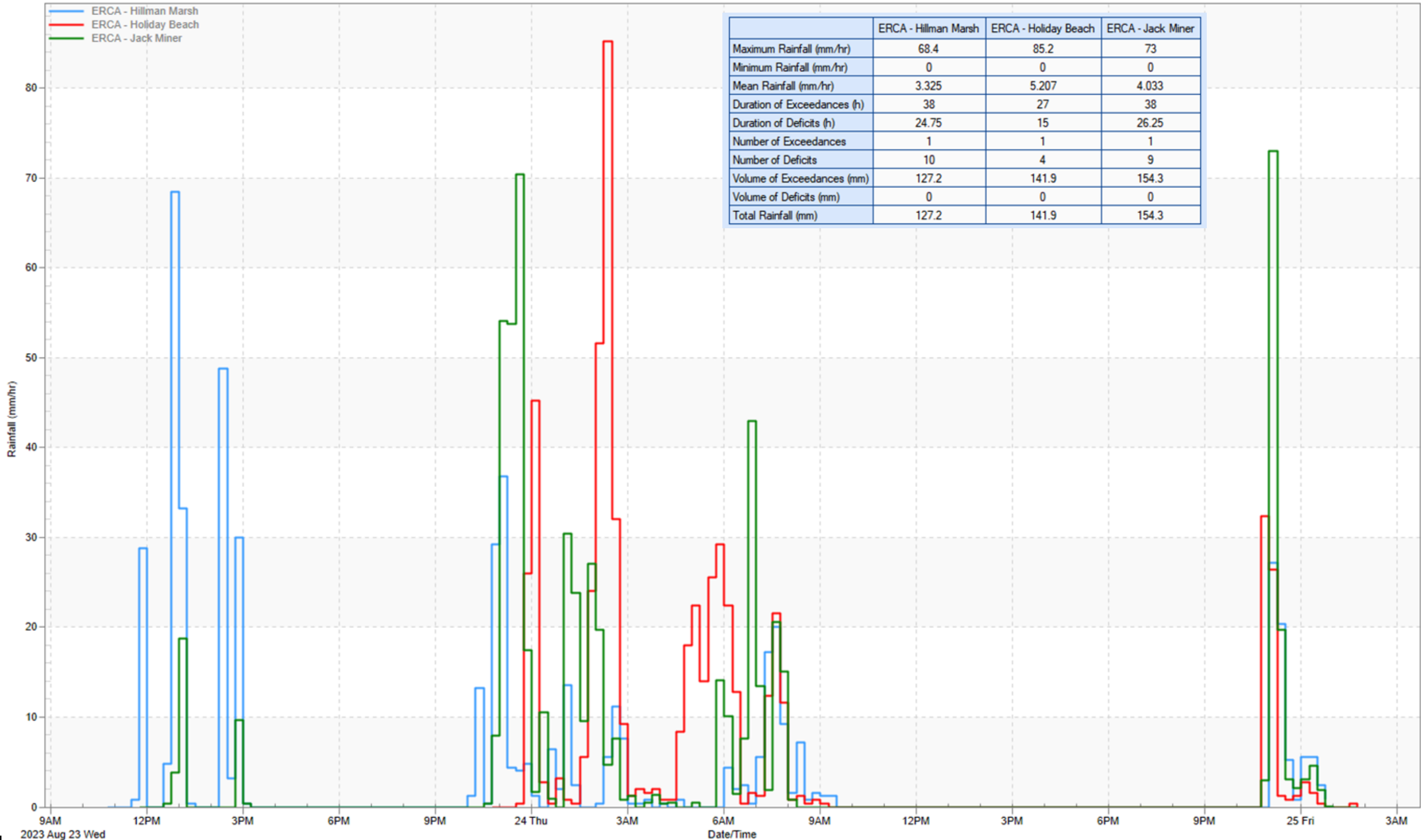
**Attachments:**

Landmark Engineers Inc. Rain Data – August 24, 2023









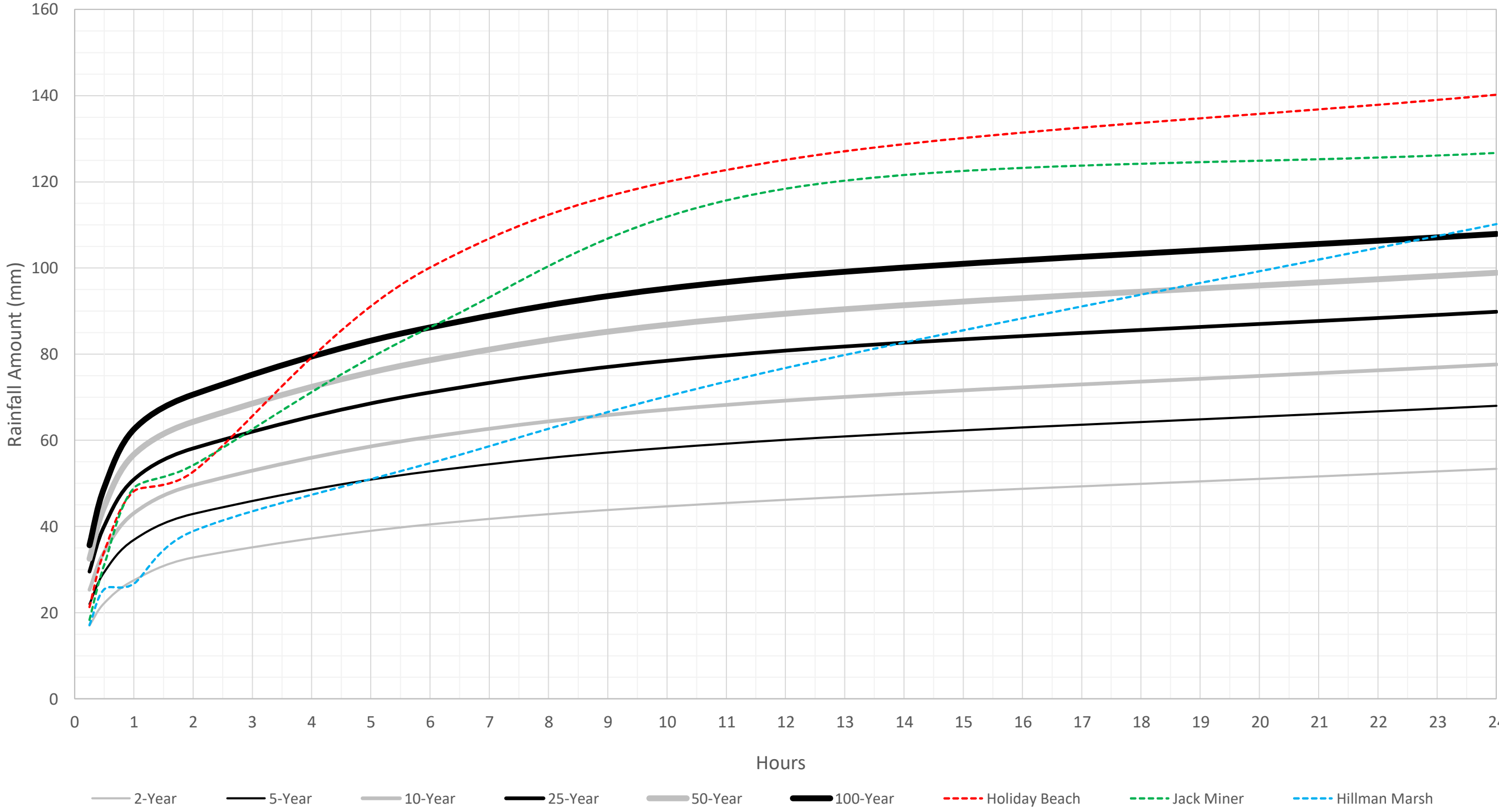
PRELIMINARY – FOR DISCUSSION PURPOSES ONLY

Title  
ERCA GAUGE – RAINFALL HYETOGRAPHS  
Project  
AUGUST 2023 RAINFALL

Date  
AUG 2023  
Scale  
NTS  
Project No.

FIGURE  
2

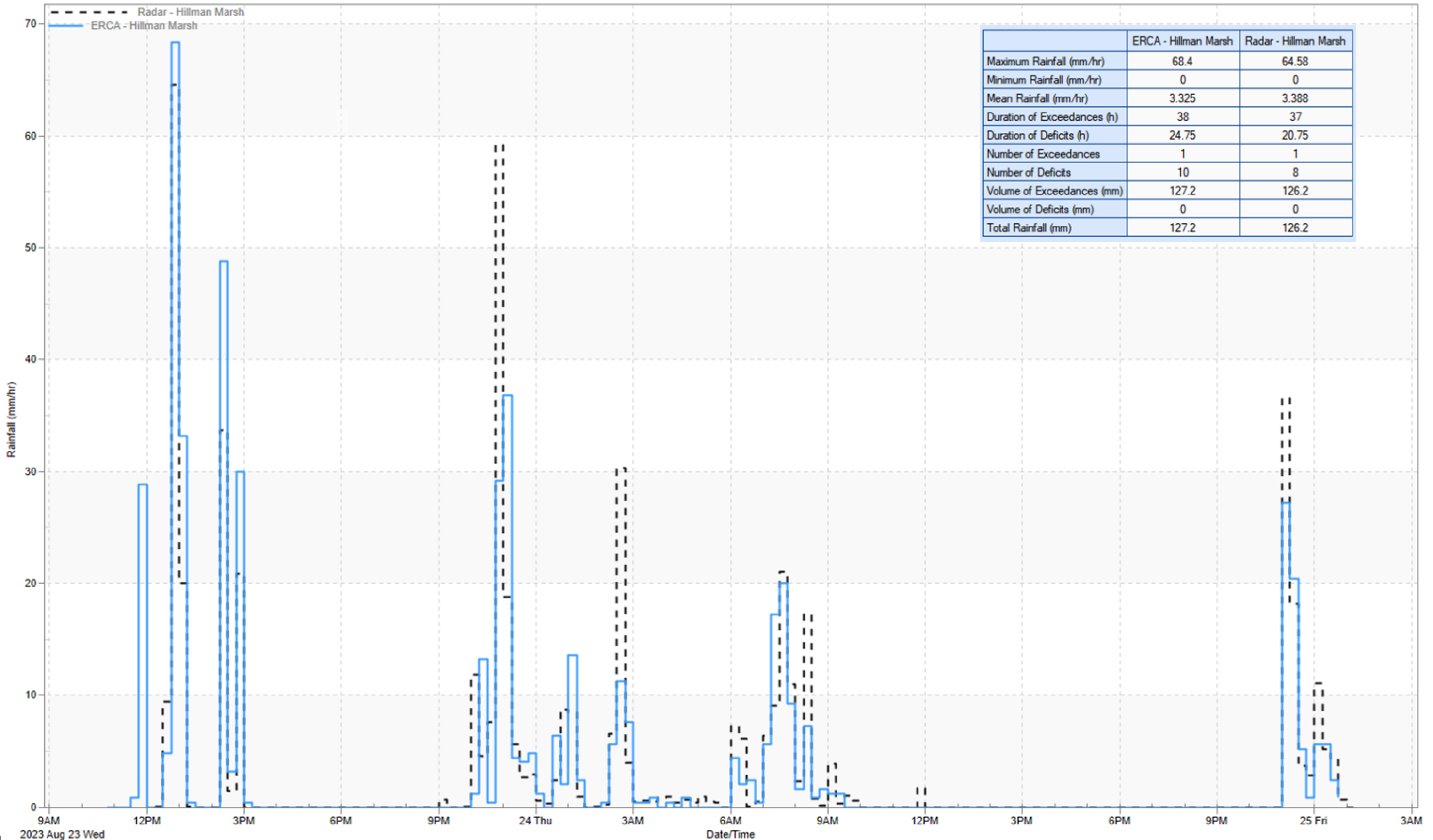
### Windsor Airport Return Period Rainfall Amounts (1946-2007)



PRELIMINARY – FOR DISCUSSION PURPOSES ONLY

Title	ERCA GAUGE – IDF CURVES	
	Date	AUG 2023
Project	Scale	NTS
	Project No.	

**FIGURE  
3**



PRELIMINARY – FOR DISCUSSION PURPOSES ONLY

Title  
RADAR VS GAUGE RAINFALL – HILLMAN MARSH

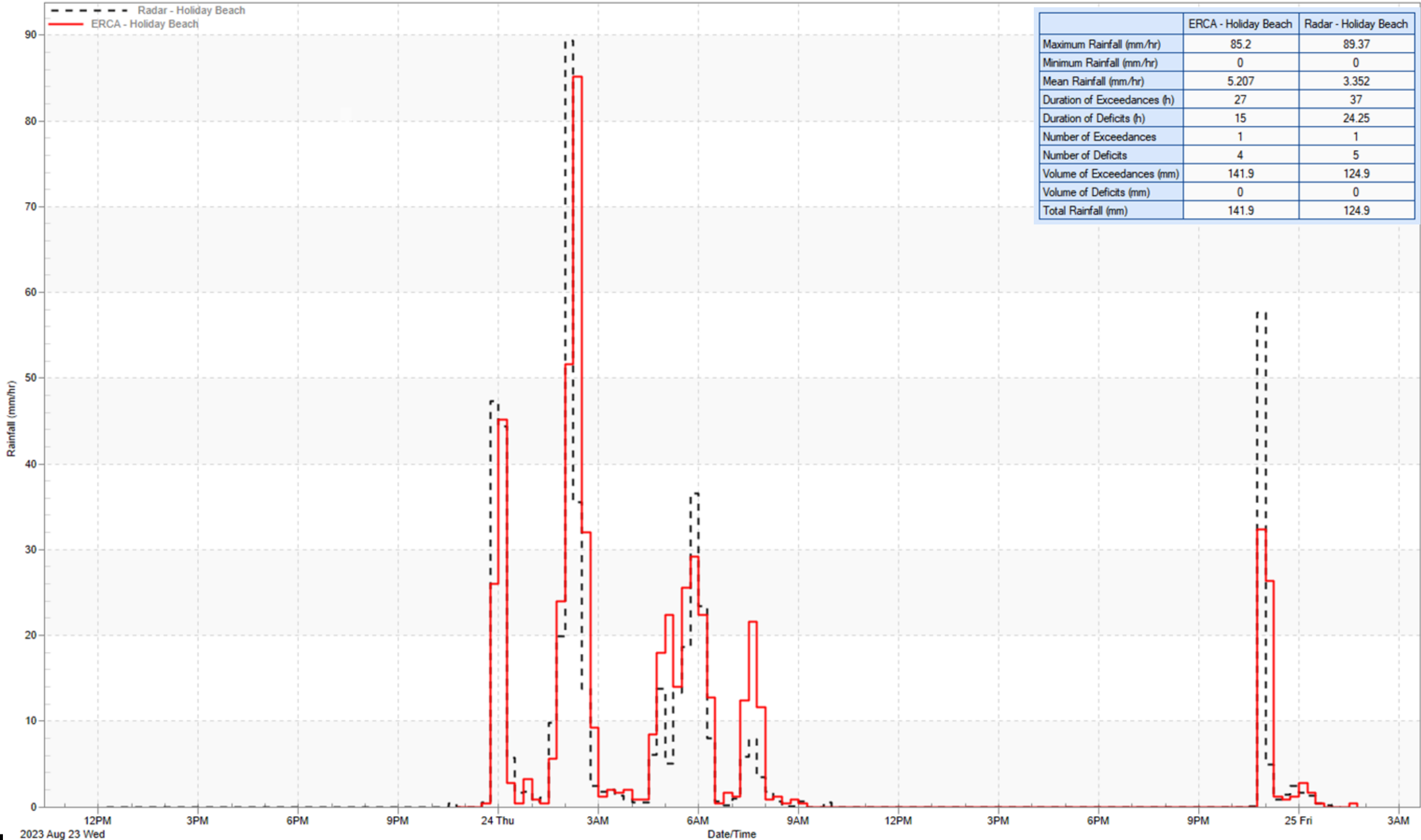
Project  
AUGUST 2023 RAINFALL

Date  
AUG 2023

Scale  
NTS

Project No.

FIGURE  
4



2023 Aug 23 Wed

PRELIMINARY – FOR DISCUSSION PURPOSES ONLY

Title  
RADAR VS GAUGE RAINFALL – HOLIDAY BEACH

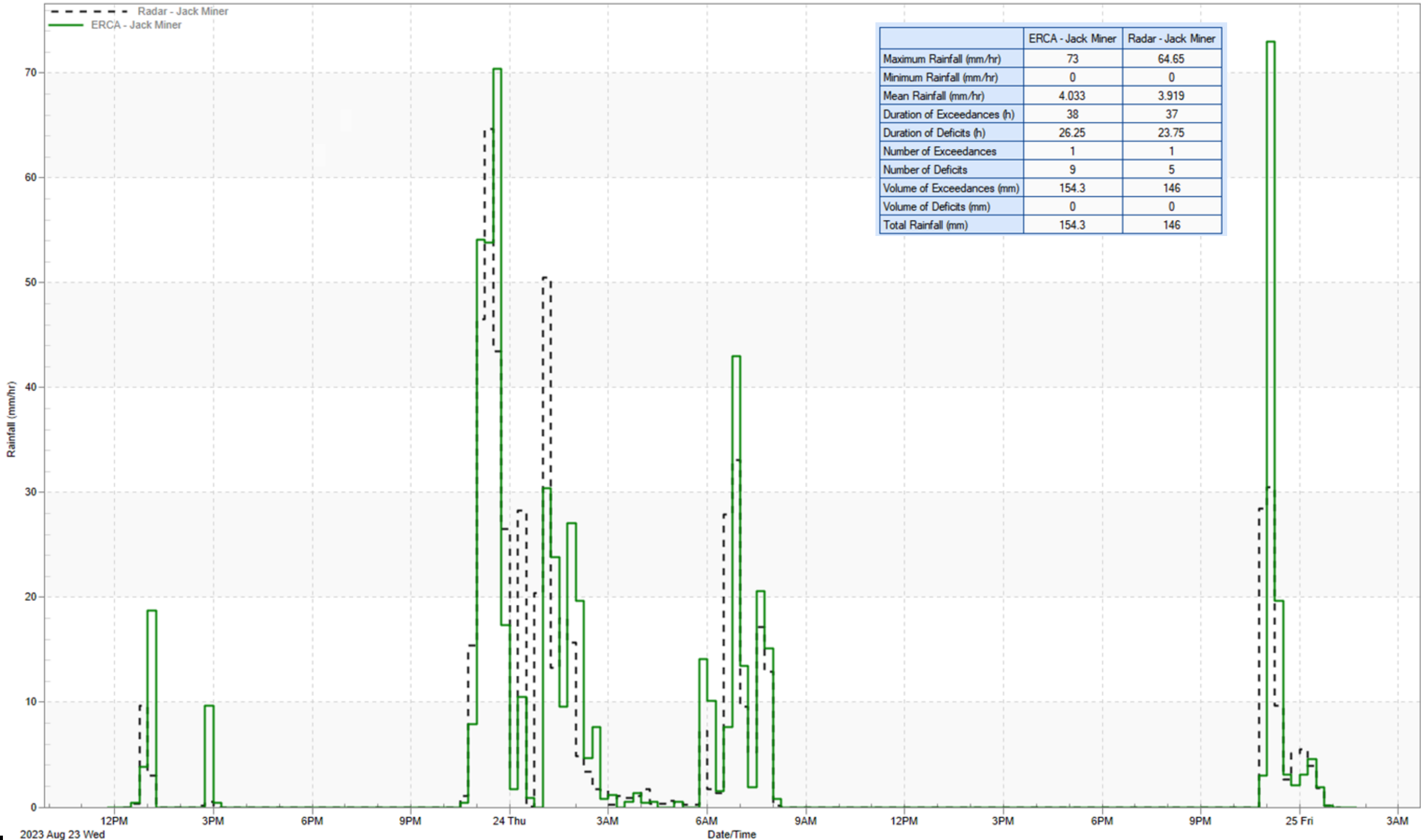
Project  
AUGUST 2023 RAINFALL

Date  
AUG 2023

Scale  
NTS

Project No.

FIGURE  
5



2023 Aug 23 Wed

PRELIMINARY – FOR DISCUSSION PURPOSES ONLY

Title  
RADAR VS GAUGE RAINFALL – JACK MINER

Project  
AUGUST 2023 RAINFALL

Date  
AUG 2023

Scale  
NTS

Project No.

FIGURE  
6

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

That:

1. The report from the Contract Drainage Superintendent and Drainage Commissioner dated August 31, 2023 regarding 2023 Flood Review from the August 24, 2023 Rain Event **BE RECEIVED as information.**

RESOLUTION RESULT	RECORDED VOTE		
CARRIED		YES	NO
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

<p>The above is a certified to be true copy of resolution number 2023 –</p> <p>Mary Masse          Interim Clerk</p>
--

# CORPORATION OF THE TOWNSHIP OF PELEE

## BY-LAW 2023 – 64

A By-Law for the licensing and regulating of hunting during the 2023/24 open season for Ring Necked Pheasants and Cottontail in the Township of Pelee.

---

**WHEREAS** Section (79) (1) of the Fish and Wildlife Conservation Act, 1997, S.O. 1997 c. 41 provides that a municipality may, with the authorization of the Minister, pass by-laws for issuing licences to hunt ring-necked pheasants, cottontails, varying hares and European hares in the municipality during the open season, for fixing the minimum and maximum number of licences that may be issued under a by-law and for charging such licence fees as the Minister may authorize.

**BE IT THEREFORE AND HEREBY ENACTED** by the Council of the Corporation of the Township of Pelee as follows:

### 1. Definitions

- a.) **Resident:** includes any one (1) person who has been in continuous residence in the Township of Pelee for at least six (6) months in the twelve (12) months preceding the 30<sup>th</sup> day of September in the current year;
- b.) **Non-Resident:** includes any one (1) person who has not been a continuous resident in the Township of Pelee for at least six (6) months preceding the 30<sup>th</sup> day of September in the current year;
- c.) **License Issuer:** shall mean the Township of Pelee and/or a person appointed as a License Issuer by the Township of Pelee;
- d.) **License Fees:** shall mean the fees attached as Schedule “A” hereto.

- 2. All Residents of the Township of Pelee may hunt pheasant or rabbits within the municipality during the specified dates, outlined herein, with a valid issued license, free of charge.

All Non-Residents attending the Township of Pelee to hunt pheasants and rabbits must possess a valid license to hunt within the specified dates, subject to the applicable license fees.

- 3. The Issuer of a License shall issue a Municipal Hunting License to a non-resident on the condition the individual has confirmed the following:
  - a. Valid Outdoors Card issued by the Ministry of Natural Resources and Forestry;
  - b. Valid Small Games License issued by the Ministry of Natural Resources and Forestry;
  - c. A valid driver’s license (where applicable);
  - d. License Fee.

4. The prescribed dates for the 2023/24 hunting season shall be strictly enforced within the open season as set out by the Ministry of Natural Resources and Forestry and outlined in Schedule B and attached to this By-Law.
5. The Township of Pelee has the sole discretion in the case of inclement weather, as determined by the Council of the Township of Pelee, to extend each of the above-mentioned hunts by one day to accommodate for loss of hunt time.
6. All licenses issued will be subject to the Fee Schedule as outlined in Schedule A and attached to this By-Law.

#### **Enforcement**

7. A person who contravenes this by-law is guilty of an offense and subject to pay the full license fee upon notice being served in person by the By-Law Enforcement Officer and can be restricted from purchasing future municipal licenses at the discretion of the Issuer.

**THEREFORE, BE IT RESOLVED THAT** this By-Law come into force and effect on the 26th of September, 2023.

**READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 26TH DAY OF SEPTEMBER 2023.**

---

**MAYOR, Catherine Miller**

---

**INTERIM CLERK, Mary Masse**



**By-Law 2023 – 64  
Schedule A**

**Pheasant License Fee & Possession Schedule**

<b>Game</b>	<b>Hunt (Season)</b>	<b>Resident License Fee</b>	<b>Non-Resident License Fee</b>	<b>Mentor/Apprentice Fee (10% off Mentor License)</b>	<b>Limit per License</b>
Ring Necked Pheasant	Main Hunts	No Charge	\$280	\$252	10
	Clean Up Hunts		\$140	n/a	5*
	Winter Hunts		\$25		5*
Cottontail	Winter Hunts		\$25		5

*\*A maximum of two clean up licences can be purchased per hunter.*

**Additional Fees**

<b>Licence Transfer within 2023</b> Applies to transfers within 2023 between hunts and between individuals	\$25
<b>Replacement Licence</b> Applies to lost or forgotten original licences	\$25

*All above fees are subject to 13% harmonized sales tax.*

**By-Law 2023 – 64  
Schedule B**

**Pelee Island Pheasant Hunt Dates**

**2023 Main Hunt Dates**

Thursday October 19 – Saturday October 21, 2023  
Thursday October 26 – Saturday October 28, 2023  
Thursday November 2 – Saturday November 4, 2023

**2023 Clean Up Hunt Dates**

Thursday November 9 – Saturday November 11, 2023  
Thursday November 16 – Saturday November 18, 2023  
Thursday November 23 – Saturday November 25, 2023

**2024 Winter Dates**

Sunday January 1 – Tuesday February 28, 2024

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
**COUNCIL RESOLUTION**

Date: September 26 2023	
Moved by:	Seconded by:

“Be it resolved that the Council of the Corporation of the Township of Pelee hereby adopt By-Law 2023–64 ; Being a By-Law to regulate hunting for the 2023-2024 season

RESOLUTION RESULT	RECORDED VOTE		
	CARRIED	YES	NO
	DEFEATED		
	DEFERRED		
	REFERRED		
	PECUNIARY INTEREST DECLARED		
	RECORDED VOTE (SEE RIGHT)		
	WITHDRAWN		
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

The above is a certified to be true copy of resolution number 2023 – Mary Masse Township Interim Clerk
--

**THE CORPORATION OF THE TOWNSHIP OF  
PELEE**

**BY-LAW: 2023 – 65**

**"CONFIRMATION OF PROCEEDINGS"**

**(September 26, 2023)**

**A By-Law to confirm the proceedings of Council.**

---

**WHEREAS** the Municipal Act 2001, as amended, states that the powers of a municipal corporation are to be exercised by by-law;

**AND WHEREAS** the Council of The Corporation of the Township of Pelee wishes to confirm the proceedings and business conducted by Council;

**NOW THEREFORE** the Council of The Corporation of the Township of Pelee does hereby enact as follows:

1. That the action of the Council at its Council meeting held on the 26<sup>th</sup> day of September , 2023 in respect to each motion, resolution and other action passed and taken by Council is hereby adopted, ratified and confirmed; save and except resolutions resulting from closed meetings.
2. That the Mayor and the proper Officers are hereby authorized and directed to execute all documents as may be necessary and the Clerk is authorized and directed to affix the Corporate Seal to all such documents.
3. That this by-law shall be cited as the "Confirmation of Proceedings By-law" (September 26, 2023).
4. That this by-law shall come into force and take effect on the date of passing thereof.

**READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 26th DAY OF SEPTEMBER, 2023.**

---

**MAYOR, CATHERINE MILLER**

---

**INTERIM CLERK, MARY MASSE**

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
**COUNCIL RESOLUTION**

Date: September 26 ,2023

Resolution 2023 –	
Moved by:	Seconded by:

“Be it resolved that the Council of the Corporation of the Township of Pelee hereby adopt By-Law 2023 – 65 ; Being a By-Law to confirm proceedings of the September 26<sup>TH</sup> meeting of Council ”

RESOLUTION RESULT	RECORDED VOTE		
CARRIED		YES	NO
DEFEATED			
DEFERRED			
REFERRED			
PECUNIARY INTEREST DECLARED			
RECORDED VOTE (SEE RIGHT)			
WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK – MARY MASSE	

The above is a certified to be true copy of resolution number 2023 – Mary Masse Township Interim Clerk
--

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

“Be it Resolved that the Council of the Township of Pelee, pursuant to Section 239(2) of the *Municipal Act, 2001*, enter into Closed Session at \_\_\_\_\_ p.m. to address the following items:

A. Future use of property owned by the municipality

Discussion is in accordance with the Municipal Act section:

- i. 239 (2) (c) a proposed or pending acquisition or disposition of land by the municipality or local board*

RESOLUTION	RESULT	RECORDED VOTE		
	CARRIED		YES	NO
	DEFEATED			
	DEFERRED			
	REFERRED			
	PECUNIARY INTEREST DECLARED			
	RECORDED VOTE (SEE RIGHT)			
	WITHDRAWN			
MAYOR – CATHERINE MILLER		INTERIM CLERK MARY MASSE		

The above is certified to be true copy of resolution number 2023 –

Mary Masse  
 Interim Clerk

The Corporation of the Township of Pelee  
 Regular Meeting of Council  
 COUNCIL RESOLUTION

Date: September 26, 2023

Resolution 2023 –	
Moved by:	Seconded by:

1. *That Council rise from closed session at \_\_\_\_\_ p.m.*

RESOLUTION	RESULT	RECORDED VOTE	
	CARRIED		YES NO
	DEFEATED		
	DEFERRED		
	REFERRED		
	PECUNIARY INTEREST DECLARED		
	RECORDED VOTE (SEE RIGHT)		
	WITHDRAWN		
MAYOR – CATHERINE MILLER		INTERIM CLERK MARY MASSE	

The above is certified to be true copy of resolution number 2023 –

Mary Masse  
 Interim Clerk