

# **Township of Havelock-Belmont-Methuen Regular Council Meeting Agenda**

**Date:** Tuesday, November 19, 2024

**Place:** Havelock-Belmont-Methuen Council Chamber  
1 Ottawa Street East  
Havelock ON K0L 1Z0 (Limited Seating)

and

Video Conference  
Various Remote Locations  
Township of Havelock-Belmont-Methuen

Note: Meeting will be recorded and uploaded to YouTube

**Time:** 9:30 a.m.

**Zoom Link:** [Open Session Council Meeting \(November 5, 2024\) Zoom Invitation](#)

Meeting ID: 859 5757 4298  
Passcode: 126027

## **Call to Order**

Mayor Martin will call the meeting to order.

## **Land Acknowledgement**

## **Cell Phones**

Everyone in the meeting is asked to turn off their cell phone or place it on vibrate mode.

## **Declaration of Pecuniary Interest and General Nature Thereof**

No written Declarations of Pecuniary Interest were received prior to publication of the agenda.

## **Minutes of Council Meetings**

1. Regular Council Meeting – November 5, 2024

## Delegations and Presentations

1. Pat Schick, Jewel Engineering Inc.  
Re: George Street, Decorative Lighting
2. Laurie Inglis (Verbal)  
Re: Hospice Norwood

## Public Meeting for Zoning By-law Amendment

**Note to Virtual Guests:** Please keep your video off and microphone muted during the meeting until the Chair invites comments regarding a planning matter.

1. Presented by Elysia Ackroyd – Fotenn Planning + Design  
Re: Zoning By-Law Amendment – Xenia and Tod Christensen  
Part Lots 9 and 10, Concession 9, Methuen Ward  
623 Fire Route 93, ARN 1531-010-009-24200
2. Presented by Elysia Ackroyd – Fotenn Planning + Design  
Re: Zoning By-Law Amendment – Jason Prince  
Lot 12, Concession 5, Belmont Ward  
97 Fire Route 88, ARN 1531-010-007-70300

## Regular Meeting Resumes

### Planning

1. Samantha Deck, Planner  
Re: Request to Stop Up, Close and Convey a Municipal Road  
Allowance (Ken and Carol Simard)
2. Samantha Deck, Planner  
Re: Recreation Park Lands and Future Uses

### Staff Reports for Information

1. Travis Toms, Chief Building Official  
Re: Building Department Activity Report – October 2024
2. Lionel Towns, Treasurer  
Re: Property Tax Credits for Selected Late Payment Charges



3. Ray Haines, Fire Chief  
Re: Incident Summary – August 2024
4. Ray Haines, Fire Chief  
Re: Incident Summary – September 2024
5. Ray Haines, Fire Chief  
Re: Incident Summary – October 2024
6. Shari Gottschalk, Economic Development Officer  
Re: Social Media Insights

### **Staff Reports for Follow-up Action**

None.

### **Correspondence**

Action Items

1. Karen Kristoff  
Re: Curbside Garbage Collection Proposal Inquiry

Information Items

None.

### **Committee Liaison Reports**

1. Jim Martin, Mayor (Verbal)  
Hart Webb, Deputy Mayor (Verbal)  
Re: County Council Update
2. Bob Angione, Chief Administrative Officer/Clerk  
Re: Councillor Activity Report

### **Written or Oral Notice of Motion or Discussion**

None.

### **Other Business**

1. Bob Angione, Chief Administrative Officer/Clerk  
Re: Other Business

## By-Laws

1. **By-law 2024-078** Being a By-law to amend The Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law in order to change the zoning of certain lands being located in Part Lots 9 and 10, Concession 9, Methuen Ward. Assessment Roll No. 1531-010-009-24200 from “Seasonal Residential (SR) Zone” to ‘Special District 287 (S.D. 287) Zone’ introducing site-specific regulations to facilitate the creation of one new lot with a reduced frontage. (Xenia and Tod Christensen)
2. **By-law 2024-079** Being a By-law to amend The Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law in order to change the zoning of certain lands being located in Lot 12, Concession 5, Belmont Ward. Assessment Roll No. 1531-010-007-70300 from “Rural (RU) Zone” to rezone the subject lands to ‘Environmental Protection (EP) Zone’ in order to protect the natural features on the subject lands from future development. (Jason Prince)

## Closed Session

There will be no closed session meeting today.

## Confirming By-law

A By-law to confirm the proceedings of the Regular Meeting of the Council of the Township of Havelock-Belmont-Methuen held on November 19, 2024.

## Adjournment

Next Regular Meeting

Tuesday, December 3, at 9:30 a.m.

# TOWNSHIP OF HAVELOCK-BELMONT-METHUEN

To: The Mayor and Members of Council

Prepared By: Nolan Atterbury, Township Planning Consultant

Approved By: Elysia Ackroyd, Township Planning Consultant

Meeting Date: November 19, 2024

Subject: **Application to Amend** Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law 1995-42 (AS AMENDED). Xenia Christensen and Tod Christensen, Part Lots 9 and 10, Concession 9, Methuen Ward.

## **PURPOSE and EFFECT:**

**The purpose and effect of this report is to present for the consideration and requisite approval of Council, an application to amend Comprehensive Zoning By-law No. 1995-42 (as amended) in order establish a Special District zone introducing site-specific regulations to facilitate the creation of one new lot with a reduced frontage.**

## **RECOMMENDATION:**

- That subject to any new information or public comments received prior to or at the statutory public meeting, the draft by-law be passed as presented; and
- That the balance of this report be received.

## **BACKGROUND:**

As proposed, the application will consist of rezoning the site, located in Part Lot 9 and 10, Concession 9 in the Methuen Ward, and known municipally as 623 Fire Route 93 (hereby referred to as the site) from the Seasonal Residential zone (SR) to the Special District zone (S.D.).

An application for consent to sever the site was received by County of Peterborough Land Division (“the County”) on June 15<sup>th</sup>, 2023 as File No. B-59-23, which would have the effect creating one new lot in the Seasonal Residential zone. Section 6 of the consent application stated that the new lot would have an area of 0.38 hectares and 45.7 metres (150 feet) of frontage on Kasshabog Lake. It is worth noting that the minimum lot frontage for the SR zone is 46 metres (150 feet) and the initially listed lot frontage of 45.72 metres would not meet the minimum 46 metre lot frontage requirement for the SR zone. Although the Zoning By-law contains an approximately equivalent imperial measurement for lot frontage in the SR zone, measurements shown in imperial in the Zoning By-law do not form part of the by-law and are intended to be used for convenience purposes only, as per Section 1.16.

The minor deficiency in lot frontage was not identified by the Township Havelock-Belmont-Methuen (“the Township”) or the County until a subsequent lot survey determined the appropriate lot frontage measurement for the site, indicating that the actual frontage is slightly less than what was stated in the initial application.

The Township Council endorsed application B-59-23 to create one new building lot and recommended that the applicants demonstrate proper access to the severed parcel as part of the conditions of approval. The County granted provisional approval to application B-59-23 on March 11<sup>th</sup>, 2024, subject to the fulfillment of the conditions listed below:

- / Two (2) copies each of the following documents: (i) Signed Acknowledgement and Direction, (ii) the “Transfer in Preparation”, (iii) the Planning Act Certificate Schedule.
- / One (1) printed copies of the deposited Plan of Survey or a legal description acceptable to the Registrar of Deeds illustrating the severed lands.
- / A PDF file and a closed polygon vector file of the Part boundaries shown on the Reference Plan is to be provided in Autodesk DWG Windows-readable format to the satisfaction of the County
- / \$1 ,000.00 Cash-in-lieu of parkland fee be paid to the Municipality.
- / That the applicants demonstrate proper access to the severed parcel.

A draft plan of survey was provided by JBF Surveyors Ltd. to the County on June 26, 2024, to fulfill the relevant condition for consent. The survey indicated a 42.08 metre lot frontage on the subject site, demonstrating that the lot frontage of the provisionally approved severed parcel (the subject site) is less than what was stated in the initial application, and approximately 4 metres less than the required minimum lot frontage as per the SR zone.

In consideration of the reduced lot frontage, the County of Peterborough Land Division Department attached an additional condition to the severance application B-59-23 that the severed lot be rezoned to the satisfaction of the Municipality via letter on July 4<sup>th</sup>, 2024.

The subject Zoning By-law amendment application was received by the Township on October 8, 2024, along with the relevant application fees requesting that the site be rezoned from the Seasonal Residential zone to a Special District zone permitting the reduced lot frontage, to fulfill the required conditions for consent to sever the subject site.

- Owners/Applicants:** Xenia Christensen and Tod Christensen
  
- Property Description:** Lot 9 and 10, Concession 9 – Methuen Ward
  
- Municipal Address:** 623 Fire Route 93
  
- Roll Number:** 1531-010-009-24200
  
- Lot Area:** 0.38 hectares
  
- Type of Planning Approval:** Planning Act, Section 34
  
- Appendix:**
  - Appendix A: Municipal Appraisal Form
  - Appendix B: GIS Mapping
  - Appendix C: Zoning By-law Amendment Application
  - Appendix D: Survey
  - Appendix E: Zoning By-law Amendment Text
  - Appendix F: Consent for Severance Report
  - Appendix G: B-59-23 Application
  - Appendix H: B-59-23 Decision

## **Description of Property and Surrounding Lands**

The site comprises approximately 0.38 hectares with approximately 42 metres of frontage on Kasshabog Lake. The site is currently undeveloped.

The site is currently designated Shoreline in the Township of Havelock-Belmont-Methuen Official Plan, and zoned “Seasonal Residential (SR)” in the Township’s Zoning By-law.

The surrounding lands predominantly comprise shoreline residential uses, as well as Crown land immediately south of the site.

## **History of Use**

The current owners acquired the entire subject property in 1951. The parcel retained through application B-59-23 is developed with a seasonal recreational dwelling. The severed parcel (the site) is currently undeveloped.

## **Proposed Development**

The applicant is requesting permission to rezone the site from the Seasonal Residential zone to the Special District zone (S.D.) to facilitate the creation of one new lot with a reduced lot frontage.

## **PLANNING DISCUSSION:**

### *2020 Provincial Policy Statement (2020 PPS)*

The subject application was submitted prior to October 20<sup>th</sup>, 2024, and therefore the Policies of the 2020 Provincial Policy Statement (2020 PPS) still apply.

The 2020 PPS permits locally appropriate residential development, including lot creation on rural lands in Municipalities. The subject property is considered to be a rural use in the PPS and is not located within a rural settlement area. The purpose of this application is to create a new lot for development to support future residential uses on Kasshabog Lake.

Section 1.1.4 of the 2020 PPS provides policy direction for rural areas in municipalities which are defined as lands including rural settlement areas, natural heritage features, and rural lands discussed below. The 2020 PPS supports healthy, integrated, and viable rural areas by promoting development that builds upon rural character and leverages rural amenities and assets. The proposed rezoning of the site to permit a minorly reduced lot frontage is anticipated to facilitate the creation of a new lot for development. The subject application represents lot creation that is consistent with the character of rural development in the area and leverages rural assets including water based recreational and leisure opportunities on Kasshabog Lake.

Section 1.1.5 of the 2020 PPS provides policy direction regarding rural lands in municipalities, which are defined as lands located outside of settlement areas. Permitted uses on rural lands include resource based recreational uses, including recreational dwellings, and residential development, including lot creation that is locally appropriate. Policies of the 2020 PPS also promote recreational opportunities on rural lands, and development that is compatible with the rural landscape and which can be sustained by rural service levels. The provisionally approved creation of one new lot on rural lands is anticipated to support residential or recreational development in the future, which is consistent with the policies of the 2020 PPS. The proposed Zoning By-law amendment will permit locally appropriate development on Kasshabog Lake, while permitting a slightly reduced lot frontage.

In our opinion, the application is consistent with the 2020 PPS.

#### 2024 Provincial Planning Statement (PPS)

Although the subject application is subject to the policies of the 2020 PPS, the application is reviewed for consistency with the 2024 Provincial Planning Statement (PPS).

The PPS permits residential development including lot creation within rural areas. The subject property is considered to be a rural use in the PPS and is not located within a rural settlement area. The purpose of this application is to create a new lot for development to support future residential uses on Kasshabog Lake.

Section 2.5 of the PPS provides policy direction for rural areas in municipalities which are defined as lands including rural settlement areas, natural heritage features, and rural lands discussed below. Policies regulating rural areas in the PPS are generally similar to the policies of Section 1.1.4 of the 2020 PPS, which are discussed above.

Section 2.6 of the PPS provides policy direction regarding rural lands in municipalities, which are defined as lands located outside of settlement areas. Uses permitted on rural lands include resource based recreational uses including recreational dwellings not intended as permanent residences, and residential development including lot creation where sewage and water services can be provided appropriately. The provisionally approved creation of one new lot is anticipated to support residential or recreational development in the future, which is consistent with the policies for rural lands in the PPS. The proposed rezoning will facilitate the creation of a new lot for development on Kasshabog lake while permitting a slightly reduced frontage.

In our opinion, the application is consistent with the PPS.

*County of Peterborough Official Plan*

Based on the policy guidance provided in the County of Peterborough Official Plan, staff are of the opinion that the site is designated Shoreland Areas and the Waterfront. Official Plan policies permit residential land uses within the Shoreland Areas designation while encouraging the protection and restoration of natural heritage features.

The Official Plan permits sustainable shoreland development that allows for limited growth of tourist developments and innovatively designed residential developments. The Plan states that the built form along the shoreline should not be overly concentrated or dominate the natural form and encourages the provision of access to the waterfront for public and private users, wherever appropriate. Section 4.4.3 provides policies for Shoreland Areas and the Waterfront, stating that the character of shoreland areas is linked to the natural and built form associated with waterbodies, predominantly comprising vegetated shorelines and residential development. The proposed rezoning will support the creation of a new lot for development within the shoreland area which is anticipated to support new residential development. The proposed reduction to the minimum lot frontage represents a minor reduction that is not anticipated to promote an undesirable concentration of development along the waterfront. Relevant zoning provisions regulating built form within shoreland areas are intended to promote residential development on the site that protects the naturalized waterfront and is of an appropriate scale and character for Kasshabog Lake.

In our opinion, the application conforms with the County's Official Plan.



## Township of Havelock-Belmont-Methuen Official Plan

According to the Township of Havelock-Belmont-Methuen Official Plan (OP), the site is designated 'Shoreline'. Both seasonal and permanent residential uses are permitted within the Shoreline Designation as outlined within the OP.

OP policies direct development to have minimal visual, environmental, and navigational impact within the Shoreline Designation, and support the preservation and protection of the shoreline in a natural vegetated state. The OP also promotes low density shoreline development and enhanced setbacks from the high-water mark.

It is anticipated that the provisionally approved lot has sufficient buildable area to support future development which would have minimal visual environmental and navigational impacts within the Shoreline Designation. The proposed reduction in lot frontage is minimal and is not anticipated to create any negative visual environmental or navigational impacts.

The OP states that the Shoreline Designation supports leisure and recreation opportunities, as well as economic and employment benefits in the service sector, resulting from tourism and recreational property development. The proposed rezoning will facilitate the creation of a new waterfront lot that is anticipated to support future recreational or residential development.

Section 3.3.4 provides development policies within the Shoreline Designation, requiring new waterfront lots to comply with the minimum lot area and minimum lot frontage requirements of the applicable zone. The provisionally approved lot has deficient lot frontage for the SR zone. The subject rezoning proposes a Special District zone to permit a minorly reduced lot frontage. The provisionally approved lot complies with all other provisions of the SR zone, representing similar lot fabric to surrounding shoreline properties. The minorly reduced lot frontage is not anticipated to encourage negative impacts related to site functionality or visual character within the shoreline area. Setbacks and other performance standards of the SR zone will be applied to ensure that future site development is of an appropriate scale for the shoreline area.

Section 2.1.5.4 provides policies for development on private roads in the Township, recognizing that limited development is expected to occur on an infill or minor extension (not exceeding 180 metres) to existing private road basis. The site does not currently have frontage on a private road but is in proximity to Fire Route 93. It is anticipated that access to the site will be provided via a new entrance to Fire Route 93, subject to

necessary approvals. The applicant must demonstrate proper access to the lot as a condition of consent. Proper access to the lot has not yet been demonstrated as of the date of writing this report.

Section 4.1.2 provides policy direction for water supply and sewage disposal in the Township. OP policies support the provision of private individual on-site water and sewage disposal systems for new development in shoreline areas, subject to appropriate lot area requirements. Future development on the site is anticipated to occur on private sewage and water services. The provisionally approved lot meets the lot area requirements of the SR zone and is anticipated to support the appropriate provision of such services.

In our opinion, the application conforms to the policies of the Township's Official Plan.

*Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law No. 1995-42 (as amended)*

According to Schedule 'A2' of the Township's Comprehensive Zoning By-law No. 1995-42 (as amended) the site is currently zoned 'Seasonal Residential (SR) zone' in its entirety.

The applicant is seeking to rezone the site to a Special District zone to permit a reduced lot frontage of 42 metres on the site, from the required 46 metres. All other provisions of the SR zone shall apply.

According to the Zoning By-law, where a lot is accessed via water only, the lot frontage shall be the water frontage. Water frontage is defined in the Zoning By-law as the straight line horizontal distance between the two most widely separated points on any one shoreline of a lot. According to this definition of water frontage, the site has deficient lot frontage for the SR zone as indicated by the lot survey.

Section 4.11 of the Zoning By-law states that a lot must have frontage on an improved public street or navigable waterway order to support the development of any building or structure, unless the lot is zoned Seasonal Residential (SR) zone. No development is proposed on the site through the subject Zoning By-law amendment application; however, it is anticipated that the site will be developed with Seasonal Residential uses in the future. The site is in the SR zone and has frontage on a navigable portion of the shoreline of Kasshabog Lake. It is anticipated that an access to the site will be provided via a new entrance on Fire Route 93. The applicants are required to demonstrate

appropriate access to the subject site as a condition of approval for the consent application B-59-25.

The Zoning By-law requires that development must not be located within 30.0 metres of the existing high-water mark where a lot abuts a waterbody. Although no residential development is proposed as a result of this application, it is anticipated that the provisionally approved lot features a sufficient buildable envelope to accommodate future residential uses set back over 30 metres from the high-water mark.

The subject Zoning By-law amendment proposes a Special District zone for the subject site which is subject to all relevant provisions of the SR zone, aside from minimum lot frontage requirements. In consideration of the general intent of the proposed rezoning, Section 10.0 Seasonal Residential zone provisions are reviewed.

A single detached vacation dwelling is a permitted use in the SR zone. It is anticipated that the site will be developed with residential uses in the future.

The site meets the minimum lot area and yard requirements of the SR zone. The minimum lot frontage within the SR zone is 46 metres. The subject site has a lot frontage of 42 metres, representing a minor deficiency with respect to frontage for waterfront lots. A Special District zone is proposed to accommodate the reduced lot frontage on the subject site. The proposed reduction in lot frontage is modest and is not anticipated to cause significant negative impacts regarding navigation on the waterfront, density of waterfront development, or any other matters relating to site functionality and character.

Following our review and assessment of this application within the context of relevant land use planning policies; it is our opinion that the subject application conforms to the County of Peterborough Official Plan, Township of Havelock-Belmont-Methuen Official Plan and is consistent with the 2020 Provincial Policy Statement, and the 2024 Provincial Planning Statement.

## **COMMENTS:**

### **Staff Comments:**

None received at the time of report preparation.

### **Agency Comments:**

Should any additional comments be received prior to the November 19, 2024 meeting of Council, they will be brought forward at that time.

**Public Comments:**

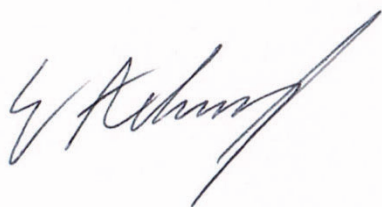
Should any additional comments be received prior to the November 19, 2024 meeting of Council, they will be brought forward at that time.

**FINANCIAL IMPACT:**

There are no financial impacts unless Council's consideration respecting the approval or refusal of the requested amendment is appealed to the Ontario Land Tribunal. In the event of an appeal, there could be costs, some of which may be recovered from the applicant.

All of which is submitted for Council's consideration.

Submitted by:



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Elysia Ackroyd MCIP, RPP  
Planning Consultant

- Appendix A: Municipal Appraisal Form
- Appendix B: GIS Mapping
- Appendix C: Zoning By-law Amendment Application
- Appendix D: Survey
- Appendix E: Zoning By-law Amendment Text
- Appendix F: Consent for Severance Report
- Appendix G: B-59-23 Application
- Appendix H: B-59-23 Decision
- Appendix I: Additional Condition Letter
- Appendix J: Pre-consultation Correspondence



COUNTY OF PETERBOROUGH
MUNICIPAL APPRAISAL FORM

APPLICANT: Xenia and Tod Christensen

FILE B - 59-23

LOT: 9/10, CON.: 2 MUNICIPAL WARD: Methuen

911 address: 623 FR 93, Roll #: 1531-010-009-24200, Island # or other: \_\_\_\_\_

APPLICATION FOR: Creation of a new lot Lot #1

RECOMMENDATION:

Application conforms to the Official Plan. Severed parcel conforms to the Zoning By-Law. Retained parcel does not conform to the Zoning By-Law. The Township recommends this application. If the application is approved, the following conditions are requested:

- 1. [X] \$1,000.00 Cash-in-lieu of parkland fee be paid to the Municipality.
2. [ ] Rezoning of the severed parcel to the satisfaction of the Municipality.
3. [ ] Rezoning of the retained parcel to the satisfaction of the Municipality.
4. [ ] Minor Variance for the severed parcel to the satisfaction of the Municipality.
5. [ ] Minor Variance for the retained parcel to the satisfaction of the Municipality.
6. [ ] Road widening on severed portion, of \_\_\_\_\_. Cost to be incurred by the applicant.
7. [ ] An Agreement is to be entered into between the Applicant & the Municipality and registered on title at the applicants expense which would \_\_\_\_\_.
8. [ ] A Merger Agreement is to be entered into between the Transferor, Transferee and Municipality, pursuant to Section 51(26) and Section 53(12) of the Planning Act, R.S.O. 1990, and registered on title to merge the severed parcel with the abutting (or separated) land identified by property roll # \_\_\_\_\_, such that these 2 parcels shall be considered as one lot and shall not be dealt with separately. OR The solicitor for the applicant is to provide an undertaking, whereby he informs the Committee, in writing, that the lands are being conveyed to an abutting property owner and a merger of title shall take place.
9. [X] That the applicants demonstrate proper access to the severed parcel.
10.

Comments:

OFFICIAL PLAN:

Application conforms to the Township Official Plan policies, Section(s) 2.2.2, 3.3.

Severed Parcel:

- a) Proposed Use: Residential.
b) Land Use Designation(s): Shoreline.
c) The proposed use is a permitted one.
d) Special policies affecting the severed parcel (i.e. OPA): N/A.

Retained Parcel(s):

- a) Proposed Use: Residential.
b) Land Use Designation(s): Shoreline.
c) The proposed use is a permitted one.
d) Special policies affecting the retained parcel (i.e. OPA): N/A.

ZONING BY-LAW:

Severed Parcel:

- a) The severed parcel conforms to the Township Zoning By-Law provisions, Section(s) 11.
b) [ ] A rezoning is not required for the severed parcel.
c) [ ] A minor variance is not required for the severed parcel.
d) The existing zoning of the severed parcel is: Seasonal Residential (SR) Zone.
e) The recommended zoning of the severed parcel would be: N/A.

Retained Parcel(s):

- a) The retained parcel does not conform to the Township Zoning By-Law provisions, Section(s) 11, 4.37.
b) [ ] A rezoning is not required for the retained parcel.
c) [ ] A minor variance is not required for the retained parcel.
d) The existing zoning of the retained parcel is: Seasonal Residential (SR) Zone.
e) The recommended zoning of the retained parcel would be: N/A.

General:

- a) If the severed and/or retained parcel(s) do not conform to the Zoning By-Law, Council supports a rezoning and/or minor variance.

Completed By: AH

Date: 2023-12-05

Amended Date: N/A





County of Peterborough

# GIS Viewer



### Legend

- Roads < 50,000**
- PRIV : Private; PRIV
- City Arterial
- City Collector and Local
- City Owned Unclassified
- Provincial
- County
- Township
- Water Access Only
- Outside Roads < 50,000**
- Major Roads
- Local Roads
- Peterborough Proposed Bypass Rivers**
- Intermittent
- Permanent
- Clean Water Act Policies Apply**
- Provincially Significant Wetland
- Locally Significant Wetlands
- Non-evaluated Wetlands
- Lakes - Local Scale
- Municipal Boundary - Upper Tier**
- <all other values>
- COUNTY OF PETERBOROUGH

### Notes

83.7 0 41.83 83.7 Meters

NAD83\_CSRS98\_UTM\_zone\_17N  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
**THIS MAP IS NOT TO BE USED FOR NAVIGATION**



Date Received: October 8/2024  
Fee Received: 1500.00  
Roll No.: 15-31-010-009  
24200-0000

**TOWNSHIP OF HAVELOCK-BELMONT-METHUEN  
APPLICATION FOR AMENDMENT  
TO ZONING BY-LAW 1995-42 (AS AMENDED)  
(UNDER SECTIONS 34, 36 AND 39 OF THE PLANNING ACT)**

**1. APPLICANT/AGENT INFORMATION:**

1.1 Name of Owner(s): TOD CHRISTENSEN  
XENIA CHRISTENSEN

1.2 Address: 623 F.R. #93

HBMTWP ON Postal Code K0L 2H0

Telephone Number: [REDACTED] Fax Number: ( ) - -

E-Mail Address: [REDACTED]  
(An owner's authorization is required in Section 9.1, if the applicant is not the owner.)

1.3 Name of Applicant/Agent: \_\_\_\_\_  
(if different from owner)

Address: \_\_\_\_\_  
Postal Code \_\_\_\_\_

Telephone Number: ( ) - - Fax Number: ( ) - -

E-Mail Address: \_\_\_\_\_

1.3 Communication should be sent to: Owner  Applicant  or to the following:

Address: \_\_\_\_\_  
Postal Code \_\_\_\_\_

Telephone Number: ( ) - - Fax Number: ( ) - -

E-Mail Address: \_\_\_\_\_

1.4 Mortgages, charges and other encumbrances (if known):  
(Provide the following information for any mortgages, charges or other encumbrances in respect of the subject land.)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_ Postal Code \_\_\_\_\_

Telephone Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_ Fax Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_

2. LOCATION OF THE SUBJECT LAND: (Complete applicable lines)

2.1 Geographic Municipality/Township or Village: HAVELOCK-BELMONT-METHUEN

Concession Number(s) 9 Lot Number(s): PARTS 9 & 10

Registered Plan Number: \_\_\_\_\_ Lot(s)/Block(s): \_\_\_\_\_

Reference Plan Number: 45R 14182 Part Number(s): 1 to 5

Road/Street Number and Name: 623 F.R. #93.

Attach survey plan, if available.

2.2 Are there any easements or restrictive covenants affecting the subject land? Yes  No

If Yes, describe the easement or covenant and its effect:  
\_\_\_\_\_  
\_\_\_\_\_

3. PURPOSE OF APPLICATION:

3.1 PROPOSED ZONING:

Change Schedule \_\_\_\_\_ from SR to SD- Zone(s)

Textual Change to Section(s) \_\_\_\_\_ of By-Law



3.2 REASON: (Purpose of the proposed amendment)

TO REZONE FOR SEVERANCE 659-23.

4. DESCRIPTION OF SUBJECT LAND:

4.1 DESCRIPTION OF LAND SUBJECT TO REZONING: -EXISTING. Prior to Severance.

Frontage: 544' m Depth: m Area: sq.m 2.37 ha Acres - Severed Acreage

Existing Use(s) of the subject land: Severed Portion - Vacant

Length of Time the existing uses of the subject land have continued:

4.2 Date subject land was acquired by current owner: BOUGHT FROM THE CROWN 1951.

4.3 EXISTING BUILDINGS OR STRUCTURES: Please identify each existing building on the sketch and provide information for each building. (If more than one building, attach a separate sheet to this application.)

Table with columns for Building 1, Type, Date Constructed, Existing Use, Date Existing Use Commenced, Ground Floor Area\*, Gross Floor Area\*\*, Front lot line setback, Rear lot line setback, Interior side lot line setback, Exterior side lot line setback, Building Height, Dimensions, No. of Units, Gross Floor Area Per Unit, Loading Spaces (commercial/industrial uses), and Parking Spaces. The table is crossed out with a large X.

**4.4 NATURE OF PROPOSED DEVELOPMENT:** Please provide the information for each proposed building (If more than one building, attach a separate sheet to this application. If a proposed plan showing location of proposed buildings is available, please attach.)

Proposed Use(s) of the subject land: SALE

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Building 1

Type \_\_\_\_\_

Ground Floor Area\* \_\_\_\_\_ Gross Floor Area \*\* \_\_\_\_\_

Front lot line setback \_\_\_\_\_ Rear lot line setback \_\_\_\_\_

Interior side lot line setback \_\_\_\_\_ Exterior side lot line setback \_\_\_\_\_

Building Height \_\_\_\_\_ Dimensions \_\_\_\_\_

No. of Units \_\_\_\_\_ Gross Floor Area Per Unit \_\_\_\_\_

Loading Spaces \_\_\_\_\_ Parking Spaces \_\_\_\_\_

(commercial/industrial uses) \_\_\_\_\_

\* Ground Floor Area means the area that the building occupies on the ground.  
 \*\* Gross Floor Area means the sum of the area of each floor of the building counting each floor at or above ground level (not basement or cellar) based on the exterior dimensions of the building.

**5. SERVICES:**

**5.1 ACCESS** is/will be provided to the subject land by: *(check appropriate space)*

- Provincial Highway
- Municipal Road
- Private Road
- Right of Way
- Unopened Road Allowance
- Other Public Road (specify) \_\_\_\_\_
- Water Access

- Maintenance
- Public
  - Private
  - Year Round
  - Seasonal
  - Unmaintained

WATER ACCESS – where access to the subject land is only by water:

Docking Facilities (specify) \_\_\_\_\_ Parking Facilities (specify) \_\_\_\_\_  
 Distance from Subject Land 50' Distance from Subject Lands 50'  
 Distance from Nearest Public Road 3-5 km

5.2 WATER SUPPLY is provided to the subject land by: (check appropriate space)

Publicly-owned/operated piped water system   
 Privately-owned/operated individual well   
 Privately-owned/operated communal well   
 Lake or other water body   
 Other means (specify) \_\_\_\_\_

5.3 SEWAGE DISPOSAL is provided to the subject land by: (check appropriate space)

Publicly-owned/operated sanitary sewage system   
 Private individual septic tank   
 Public-owned/operated communal sewage system   
 Private communal sewage system   
 Privy   
 Other means (specify) \_\_\_\_\_

(A certificate of approval for the septic system from the District Health Unit submitted with this application will facilitate the review.)

5.4 STORM DRAINAGE is provided to the subject land by: (check appropriate space)

Sewers   
 Ditches   
 Swales   
 Other means (specify) \_\_\_\_\_

5.5 OTHER: (check if the service is available)

Electricity  School Bussing   
 Telephone  Garbage Collection   
 Recycling

**6. HISTORY OF THE SUBJECT LAND:**

**6.1** If this application is a re-submission of a previous rezoning application, describe how it has been changed from the original application.

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

**6.2** Has there ever been an industrial or commercial use on the subject land or adjacent land? Yes  No  Unknown

If YES, please specify the use. \_\_\_\_\_

**6.3** Has the grading of the subject land ever been changed by adding earth or other material? Yes  No  Unknown

**6.4** Has a gas station ever been located on the subject property or adjacent land? Yes  No  Unknown

**6.5** Has there been gasoline or other fuel stored on the subject land or adjacent land? Yes  No  Unknown

**6.6** Is there reason to believe the subject land may have been contaminated by former uses on the site or adjacent site? Yes  No  Unknown

**7. MINIMUM DISTANCE SEPARATION**

**7.1** For applications that are within 500 metres of an agricultural barn the following additional information must also be provided. Applicants should discuss this application with or obtain information from the owner/operator of the agricultural operation.

Distance from proposed lot or use to nearest barn(s): \_\_\_\_\_  
Housing capacity of barn(s): \_\_\_\_\_  
Type of livestock kept on farm containing nearest barn: \_\_\_\_\_  
Number of tillable hectares on farm containing nearest barn: \_\_\_\_\_

**7.2 NOTICE TO APPLICANTS**

Should the location of the property which is the subject of this application be within the Wellhead Protection Area for the Havelock Municipal Well System then you are required to include a Section 59 Notice; in order to have your application deemed 'complete' in accordance with the Planning Act.

Please contact: Terry Cox, Otonabee Region Conservation Authority  
Email: [tc Cox@otonabeeconservation.com](mailto:tc Cox@otonabeeconservation.com) Tel: 705-745-5791 Ext. 219



8. AFFIDAVIT OR SWORN DECLARATION

I, XENIA CHRISTENSEN  
Bob Christensen of the TWP OF HAVELOCK-BELMONT-METHUEN

in the County of Peterborough make oath and say (or solemnly declare) that the information contained in this application is true and that the information contained in the documents that accompany this application in respect of the application is true.

TWP OF HAVELOCK-BELMONT-METHUEN

Sworn (or declared) before me at the \_\_\_\_\_, in the County of Peterborough this 8 day of October, 2024.

Sonia Yolande Aaltonen  
Commissioner of Oaths  
a Commissioner, etc., Province of Ontario,  
for The Corporation of the  
Township of Havelock-Belmont-Methuen.

Xenia Christensen Applicant  
Bob S Christensen Applicant

9. AUTHORIZATIONS

9.1 CONSENT OF THE OWNER(S) FOR APPLICANT TO MAKE APPLICATION

If the applicant is not the sole owner of the land that is the subject of this application, the written authorization of the owner(s), that the applicant is authorized to make the application, must be included or the authorization set out below must be completed by the owner(s).

~~I/WE, \_\_\_\_\_ am/are the owner(s) of the land that is the subject of this application and I/We authorize \_\_\_\_\_ to make this application on my/our behalf and to provide any of my/our personal information that will be included in this application or collected during the processing of the application.~~

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Owner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Owner

9.2 CONSENT OF OWNER TO ENTER UPON SUBJECT LANDS

XENIA CHRISTENSEN  
I/WE, TOD CHRISTENSEN, HEREBY AUTHORIZE THE  
Township of Havelock-Belmont-Methuen Council and/or their  
agents/representative(s) to attend upon the lands subject of this application.

Xenia Christensen  
Signature of Applicant

\_\_\_\_\_  
Signature of Witness

9.3 CONSENT OF THE OWNER(S) TO THE USE AND DISCLOSURE OF PERSONAL INFORMATION

XENIA CHRISTENSEN  
I/WE, TOD CHRISTENSEN, am/are the owner(s) of the  
land that is the subject of this application for zoning amendment and for the purposes  
of the Freedom of Information and Protection of Privacy Act I/we authorize and  
consent to the use by or the disclosure to any person or public body of any personal  
information that is collected under the authority of the Planning Act for the purposes  
of processing this application.

Oct. 8, 2024  
Date

Xenia Christensen  
Signature of Owner

Oct. 8, 2024  
Date

\_\_\_\_\_  
Signature of Owner

Personal information contained on this form, collected pursuant to the *Planning Act*, will be used for the purpose of responding to the initial application. Questions should be directed to the Freedom of Information and Privacy Coordinator at the institution conducting the procedures under the Act.

10. **SKETCH PLAN:** The application must be accompanied by a sketch showing the following:

- the boundaries and dimensions of the subject land;
- the location, size and type of all existing and proposed buildings and structures on the subject land; indicating the distance of the buildings or structures from the front, rear and side lot lines;
- the boundaries and dimensions of land that abuts the subject property, or any land owned by the owner of the subject land and that abuts the subject land;
- the location, size and type of all existing and proposed buildings and structures on abutting lands, indicating the distance of the buildings or structures from the front, rear and side lot lines;
- the distance between the subject land and the nearest township lot line or landmark, such as a railway crossing or bridge;

- the location of all land previously severed from the parcel originally acquired by the current owner of the subject land;
- the approximate location of all natural and artificial features on the subject land and adjacent lands that in the opinion of the applicant may affect the application, such as buildings, abandoned or active railways, roads, watercourses, drainage ditches, river or stream banks, wetlands, wooded areas, wells and septic tanks and tile beds;
- the existing use(s) on adjacent lands;
- the location, width and name of any roads within or abutting the subject land, indicating whether it is an unopened road allowance, a public travelled road, a private road or a right-of-way;
- if access to the subject land is by water only, the location of the parking and boat docking facilities to be used;
- the location and nature of any easement affecting the subject land;
- all present entrances onto the subject property;
- if there are agricultural buildings capable of housing animals within 500 metres of the proposed lot, then the location of these buildings must be shown on the sketch.

Measurements on the sketch **SHALL** correspond to those identified in the application. Photocopies of your survey, if you have one, should be used. If no survey is available, a detailed hand-drawn sketch to scale is acceptable.

**In some cases, it may be appropriate to obtain professional services to determine the accuracy of your property dimensions.**

**11. ACKNOWLEDGEMENT**

Any complete submitted application must be accompanied by a deposited fee of \$1,500.00 in cash or cheque made payable to the Treasurer of the Township of Havelock-Belmont-Methuen.

I/We enclose herewith the requisite deposit fee of \$1,500.00 and by virtue of signature(s) hereon as the applicant agree to pay any further costs incurred by the Township in the processing of the application.

Oct. 8. 2024  
Date

Oct. 8. 2024  
Date

Xenia Christensen  
Signature of Owner

Tod Christensen  
Signature of Owner

**FOR OFFICE USE ONLY**

1. Is application deemed complete? Yes  No

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

2. What is the current Official Plan designation(s) of the subject lands?

\_\_\_\_\_

3. Does application conform to both the County and Township Official Plan?

Yes  No

If no, describe nature of non-conformity.

\_\_\_\_\_

4. Is the application consistent with both the Provincial Policy Statement and Growth Plan for the Greater Golden Horseshoe?

Yes  No

5. Are any of the following uses or features on the subject land or within 500 metres (1,640 ft.) of the subject land? *(check the appropriate boxes, if any apply)*

USE OR FEATURE	On Subject Land	or	Within 500 m
Livestock Facility, Stockyard or Manure Storage Facility	<input type="checkbox"/>		<input type="checkbox"/>
Active or Closed Landfill Site	<input type="checkbox"/>		<input type="checkbox"/>
Sewage Treatment or Waste Stabilization Plant	<input type="checkbox"/>		<input type="checkbox"/>
Provincially Significant Wetland	<input type="checkbox"/>		<input type="checkbox"/>
Floodplain	<input type="checkbox"/>		<input type="checkbox"/>
Active Airport	<input type="checkbox"/>		<input type="checkbox"/>
Commercial Use <i>(specify)</i> _____	<input type="checkbox"/>		<input type="checkbox"/>
Industrial Use _____	<input type="checkbox"/>		<input type="checkbox"/>
Municipal Use <i>(specify)</i> _____	<input type="checkbox"/>		<input type="checkbox"/>



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6. Is the proposed Zoning By-law Amendment compatible with adjacent/surrounding land uses?

Yes  No

If no, describe nature of incompatibility.

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7. Is the site considered suitable for the intended use (physical characteristics such as topography, drainage soils, wet areas, access)?

Yes  No

If no describe nature of issues.

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8. Whether the subject lands are the subject of any other application under the *Planning Act*:

	Yes	No
Plan of Subdivision	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Consent	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Official Plan Amendment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Minister's Zoning Order	<input type="checkbox"/>	<input checked="" type="checkbox"/>

July 1, 2023

**Receipt**

Township Of Havelock-Belmont-Methuen  
1 Ottawa St E P.O. Box 10  
Havelock, ON K0L 1Z0

Receipt Number: 0308562  
Receipt Date: 2024-10-08  
Receipt Amount: 1,500.00

TOD AND XENIA CHRISTENSEN

Description	Item Amount	Qty	Amount
-------------	-------------	-----	--------

General

ZONING FEE	1,500.00	1.00000	1,500.00
Condition of severance B59-23			

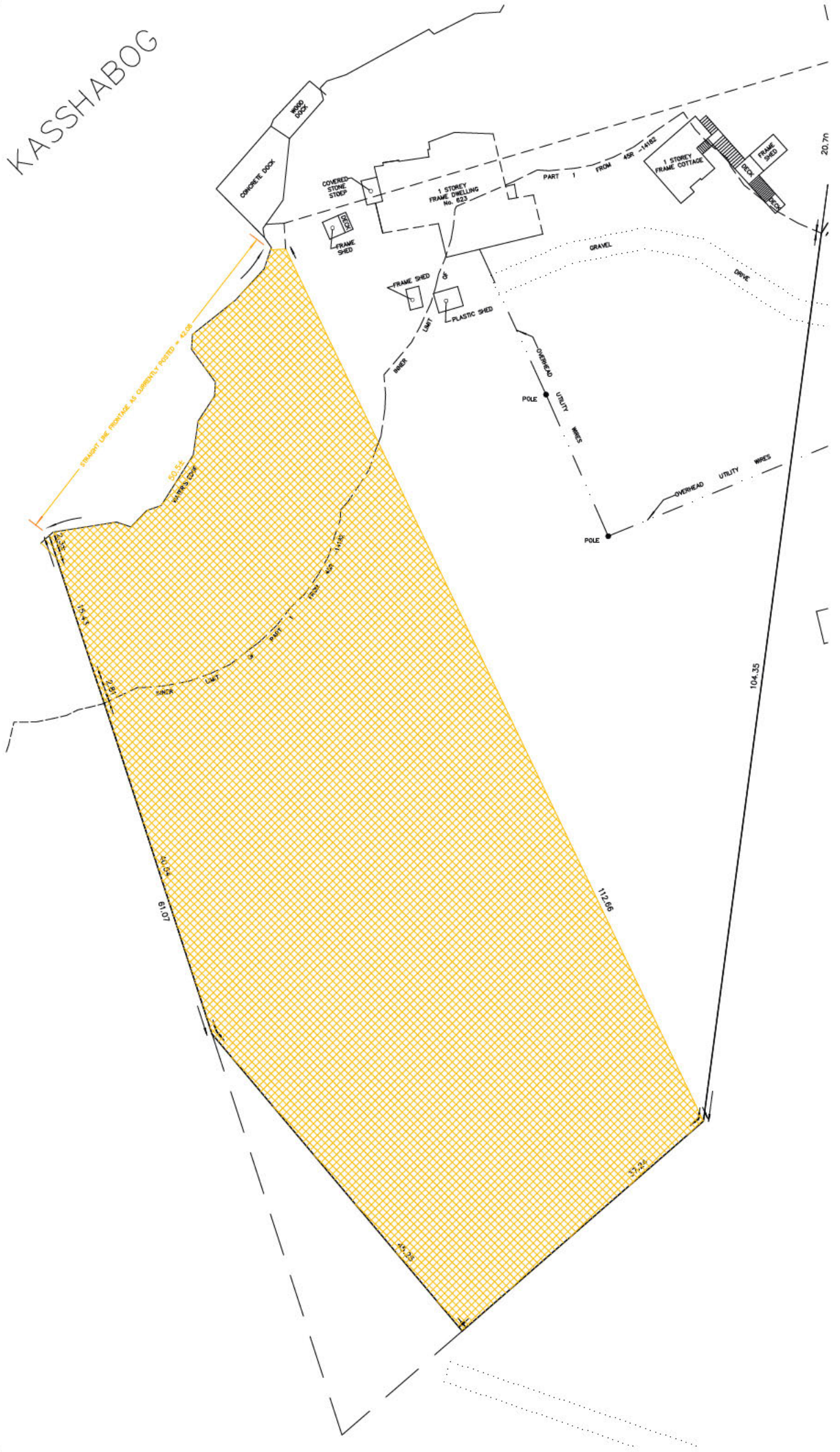
Receipt Amount: 1,500.00  
PAYMENT BY CHEQUE 1,500.00

**Official Receipt**

Per   
Tax Reg.:

*Note: This receipt is not valid until the payment has cleared.*

# KASSHABOG



(Christensen)

**THE CORPORATION of the  
TOWNSHIP OF HAVELOCK-BELMONT-METHUEN  
P.O. Box 10, 1 Ottawa Street East  
Havelock, ON K0L 1Z0**

**FORM 1  
THE PLANNING ACT, R.S.O., 1990, as amended**

**NOTICE OF PASSING  
OF A ZONING BY-LAW  
TOWNSHIP OF HAVELOCK-BELMONT-METHUEN**

**TAKE NOTICE** that the Council of the Corporation of the Township of Havelock-Belmont-Methuen passed By-law No. 2024-078 on the 19<sup>th</sup> day of November 2024 under Section 34 of the Planning Act, R.S.O., 1990.

**AND TAKE NOTICE** that the last date for filing a notice of appeal is the 9<sup>th</sup> day of December, 2024. The notice of appeal must be filed with the Clerk of the Township of Havelock-Belmont-Methuen, must set out the reasons for the appeal, and must be accompanied by the fee required by the Tribunal. For more information regarding fees, please visit the Ontario Land Tribunal website ([olt.gov.on.ca](http://olt.gov.on.ca)).

Prior to the passing of the By-law, Council received no oral and/or written submissions which resulted in revisions to the By-law.

No person or public body shall be added as a party to the hearing of the appeal unless, before the by-law was passed, the person or public body made oral submissions at a public meeting or written submissions to the council or, in the opinion of the Tribunal, there are reasonable grounds to add the person or public body as a party.

The land which is subject of this Zoning By-law Amendment Application is currently subject to Consent Application B-59-23 under The *Planning Act*.

An explanation of the purpose and effect of the By-law, describing the lands to which the By-law applies, and a Key Map showing the location of the lands to which the By-law applies are attached. The complete By-law is available for inspection in the municipal office during regular office hours.

Dated at the Township of Havelock-Belmont-Methuen this 19<sup>th</sup> day of November 2024.

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Mr. Robert Angione, M.P.A., B.Admin  
Municipal Clerk  
Township of Havelock-Belmont-Methuen  
P.O. Box 10, 1 Ottawa Street East  
Havelock, ON K0L 1Z0  
(705) 778-2308  
(705) 778-5248 (fax)

## **EXPLANATORY NOTE**

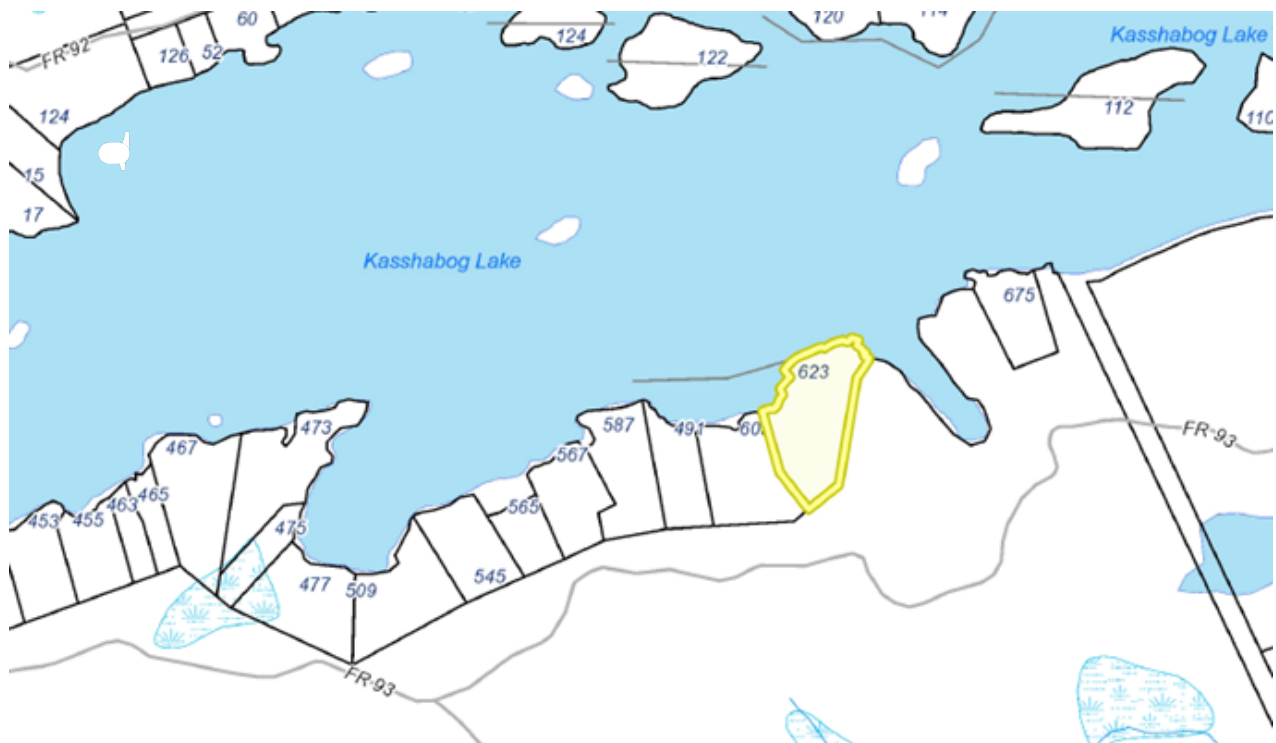
1. By-law No. 2024-078 has the following purpose and effect.

The Township of Havelock-Belmont-Methuen is in receipt of an application for a Zoning By-law Amendment to change the zoning of certain lands being located in Part Lot 9 & 10, Concession 9, being Parts 1 to 5 on Registered Plan 45R-14182, in the Methuen Ward. Assessment Roll No. 1531-010-009-24200.

The subject lands are currently zoned 'Seasonal Residential (SR) Zone'.

The application proposes to rezone the subject lands to 'Special District 287 (S.D. 287) Zone' introducing site-specific regulations to facilitate the creation of one new lot with a reduced frontage.

2. A key map showing the location of the lands to which By-law No. 2024-078 applies is provided below.



**THE CORPORATION OF THE  
TOWNSHIP OF HAVELOCK-BELMONT-METHUEN**

**BY-LAW NO. 2024-078**

**BEING A BY-LAW TO AMEND BY-LAW NO. 1995-42, AS AMENDED, OTHERWISE KNOWN AS THE "THE TOWNSHIP OF HAVELOCK-BELMONT-METHUEN COMPREHENSIVE ZONING BY-LAW".**

**WHEREAS** the Corporation of the Township of Havelock-Belmont-Methuen is in receipt of an application to amend By-law No. 1995-42, as amended.

**AND WHEREAS** the Council of the Corporation of the Township of Havelock-Belmont-Methuen reviewed the rezoning application and now deems it advisable to further amend By-law No. 1995-42, as amended.

**NOW THEREFORE**, the Council of the Corporation of the Township of Havelock-Belmont-Methuen hereby enacts as follows:

- "1. That Schedule 'A2' of By-law No. 1995-42, as amended, is hereby further amended by changing the zone category of certain lands located in Part Lot 9 & 10, Concession 9, being Parts 1 to 5 on Registered Plan 45R-14182, in the Methuen Ward in the Township of Havelock-Belmont-Methuen from 'Seasonal Residential (SR) Zone' to 'Special District 287 (S.D. 287) Zone' as illustrated on Schedule 'A' attached hereto and forming part of this by-law.
2. That Section 4.46 (Special Districts) of By-law No. 1995-42, as amended, is hereby further amended with the addition of a new sub-section, namely 4.46.287, which shall read as follows:

**4.46.287    Special District 287 (S.D. 287)**

No person shall within any Special District 287 (S.D. 287) Zone use any land, or erect, alter or use any building or structure except in accordance with the following provisions:

**4.46.287.1 Special Provisions**

All provisions and regulations of By-law No. 1995-42, as amended, as they apply to the Seasonal Residential (SR) Zone; shall also apply to any 'Special District 287 (S.D. 287) Zone' with the following exceptions:

- b) Minimum Lot Frontage: 42 metres (138 feet)

If no notice of objection is filed with the Municipal Clerk within the time provided, this By-law shall become effective on the date of passing.

If a notice of objection is filed with the Municipal Clerk, this By-law shall become effective on the date of passing hereof subject to the disposition of any appeals.

Read a **FIRST, SECOND, and THIRD TIME** and **FINALLY** passed this 19<sup>th</sup> day of November 2024 and given By-law No. 2024-078.

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**MAYOR**

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**MUNICIPAL CLERK**

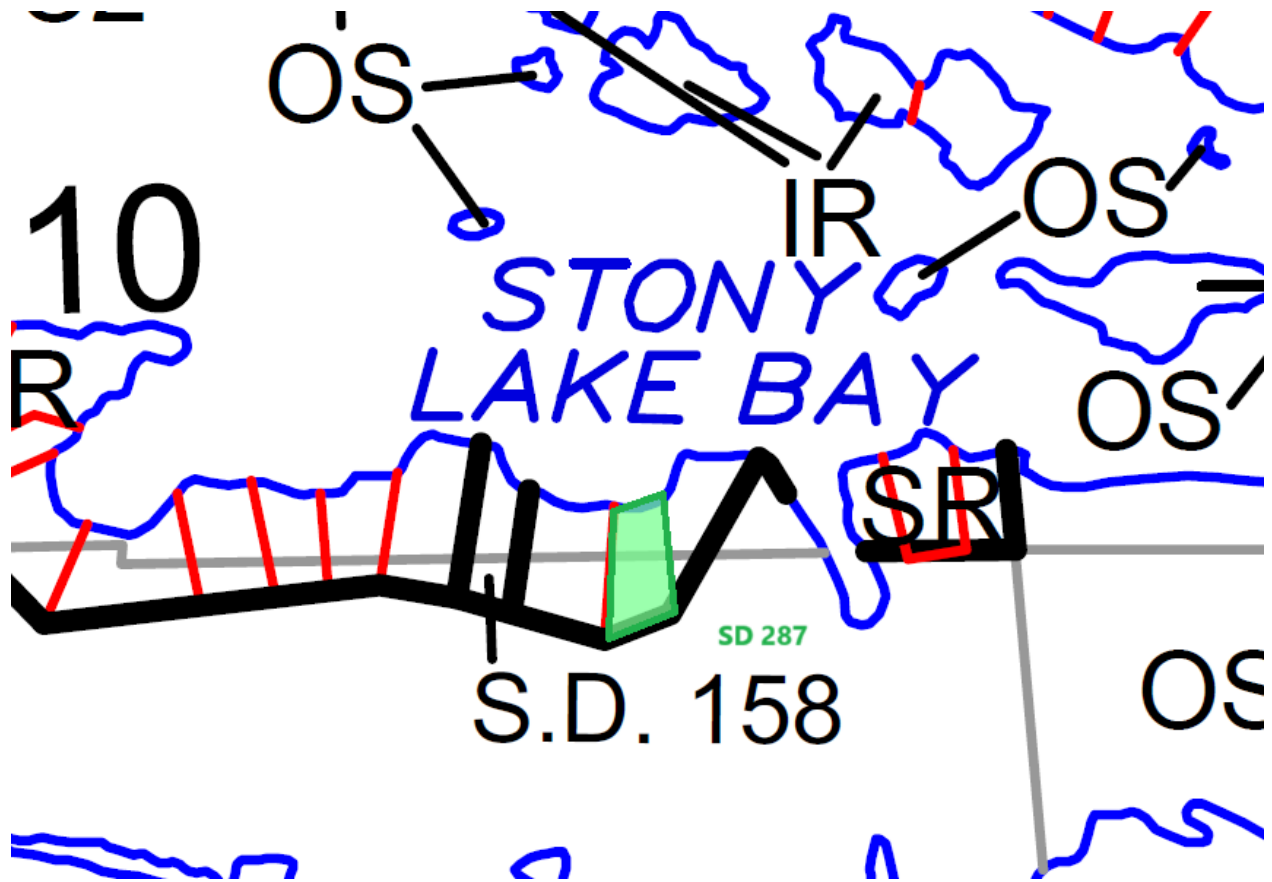
\*\*\*\*\*

I, Robert Angione, Clerk of the Corporation of the Township of Havelock-Belmont-Methuen, do hereby certify that the foregoing is a true copy of By-law No. 2024-078 passed by Council of the said Corporation on the 19<sup>th</sup> day of November 2024.

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**MUNICIPAL CLERK**





THIS IS SCHEDULE "A" TO BY-LAW  
NO. \_\_\_\_\_ PASSED THIS DAY  
OF \_\_\_\_\_, 2024.

SIGNATURES OF SIGNED  
OFFICERS:

\_\_\_\_\_ MAYOR

\_\_\_\_\_ CLERK

TOWNSHIP OF  
Havelock-Belmont-Methuen  
(Methuen Ward)



# TOWNSHIP OF HAVELOCK-BELMONT-METHUEN

To: Mayor and Members of Council

Prepared By: Arya Hejazi, Township Planning Assistant

Meeting Date: December 5<sup>th</sup>, 2023

Subject: **Creation of New Lots – Applications B-59-23 (Christensen)**

## PURPOSE:

The purpose of this Report is to provide background information regarding the proposed creation of new lots; and to seek the requisite direction of Council.

## RECOMMENDATION:

- That Council advise Peterborough County Land Division that the Township **endorses** application to create one new building lot, being referenced as B-59-23 and having Assessment Roll Number (ARN) 1531-010-009-24200, as submitted by owners of the subject lot, Xenia and Tod Christensen, with the following conditions;
- That a \$1000.00 Cash-in-lieu of Parkland be paid to the Municipality for each of the new lots being created by granting of provisional consent for applications B-59-23;
- That the applicants demonstrate proper access to the severed parcel;
- That the balance of this report be received.

## BACKGROUND:

The property in question comprises approximately 1 hectare (2.42 acres) of land with approximately 166 metres (544 feet) of frontage maintained on Kasshabog Lake.

The application now before Council was filed with Peterborough County Land Division in June of 2023.

Submission for the consent proposal was the subject of a Preliminary Severance Review (PSR) completed by Peterborough County Planning Department in March of 2023.

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If approved, the severed lot would comprise approximately 0.38 hectares (0.93 acres) of land with 45.72 metres (150 feet) of frontage along Kasshabog Lake. The retained parcel will comprise of roughly 0.6 hectares (1.48 acres), with approximately 121 metres (396 feet) of frontage along Kasshabog Lake. The retained lot is currently developed with an existing recreational dwelling unit, an assortment of existing accessory structures, and a boathouse.

Based on the information provided in the Consent application, the severed parcel will be entirely vacant. However, it can be anticipated that the severed parcel will eventually be developed with a future recreational dwelling unit and individual sewage system.

## **PLANNING DISCUSSION:**

### **Township's Official Plan**

The subject property contains a land use designation of *Shoreline* in the Township's Official Plan. Section 3.3.3 of the Official Plan provides policy direction for uses permitted within the Shoreline Designation. It is anticipated that the severed lot would eventually be developed into residential uses, supported by individual sanitary facilities and private water services. Residential uses of both recreational and permanent nature are permitted uses under the *Shoreline* designation.

Section 2.2.2.1 e) states that the proposed use of the lot should represent compatibility with adjacent land uses. The severed lots show compatibility with the surrounding residential uses in the area.

Section 2.2.2.1 g) states that all lots to be created by consent, as well as the retained lot, shall front on and have access from a public road which is maintained year-round and which is of a reasonable standard of construction; with the exception of the policies under Section 2.1.5. Furthermore, Section 2.1.5.4 states that both lot creation and residential development along shorelines may be permitted with direct access to private roads, provided the development is limited to single-unit dwellings. It is anticipated that the severed lot would have the effect of being developed for the sole purpose of limited residential uses (i.e. single detached dwellings). Therefore, the proposed application conforms to policy 2.2.2.1 g).

Section 2.2.2.1 j) states that consent for the creation of a new lots shall only be granted where the severed and retained lots comply with the established minimum lot area and frontage requirements of the Zoning By-law. Both the severed lot, as well as the retained, each meet the minimum acreage under the 'Seasonal Residential (SR) Zone'.

### **Township's Zoning Bylaw 1995-42**

The subject parcel is currently zoned as Seasonal Residential (SR) in the Township Comprehensive Zoning By-law 1995-42, as amended. Single detached vacation dwellings are a permitted use in the SR Zone, provided the parcel has a minimum lot acreage of 3000 square metres (0.74 acres), and a minimum frontage of 46 metres (150 feet).

As proposed, both severed and retained lots meeting the minimum acreage and frontage requirements as prescribed under the SR Zone.

It is the Township's planning opinion that the proposed consent conforms to the Township Official Plan and Zoning Bylaw.

### **CONCLUSION:**

Based on a review of the subject application together with the supporting material, it is the Township's planning opinion that the proposed consent applications conform to the policies of the Township Official Plan, as well as complying with the minimum lot area and frontage requirements of the Township's Zoning Bylaw.

Should Council elect to support the applications, it is appropriate to offer endorsement provided the conditions above are forwarded to Peterborough County Land Division.

Respectfully submitted,

*Arya Hejazi*

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Arya Hejazi  
Planning Assistant  
Township of Havelock-Belmont-Methuen

Attachments: Applications, Preliminary Severance Review (PSR), GIS Mapping



# Application for Consent

<p><b>Note to Applicant:</b> All questions must be answered or application may be returned.  <b>Application Fee:</b> \$1150.00 must accompany fully completed application and 1 copy.</p> <p>It is strongly advised the applicant complete a Preliminary Severance Review with the County of Peterborough Planning Department. Have you done so:          Y/N <u>YES</u> Date: <u>TUES. MARCH 7 2023</u></p> <p>If yes, were there any Studies required? Y/N <u>NO</u>          (i.e. Traffic Study, Archaeological Study and Environmental Impact Analysis (EIA).  <b>Have you attached 1 copy of each to this application?</b>          Y/N <u>NO</u> (email a copy as also)</p>	<p>Office Use:</p> <p><b>File No. B- 59.23</b></p> <p>Date Received: <b>RECEIVED</b>  <b>JUN 15 2023</b>  <b>LAND DIVISION</b></p>
--	--

**1. Owner Information**

Name(s): XENIA KIM CHRISTENSEN, TOD GLEN CHRISTENSEN Address: 623 F.R. #93  
 P.O. Box: NONE City/Province: H3MTWP  
 (B) [REDACTED] Postal Code: K0L 2H0  
 E-mail: [REDACTED]  
 Do you wish to receive all communications?  Yes  No

**2. Authorized Agent/Solicitor Information**

Name(s): NONE Address: NONE  
 P.O. Box: NONE City/Province: NONE  
 Phone: (H) NONE (B) NONE Postal Code: NONE  
 E-mail: NONE  
 Do you wish to receive all communications?  Yes  No

**3. Property Description**

Ward: MEITHUEN Township: H3MTWP Lot: 9+10 Concession: 9  
 Municipal (911) Address: 623 F.R. # 93 Tax Roll #: XXXXXXXXXXXXXXXXXXXXXXX  
 Registered Plan #: RP45R14182 PART 1 to 5 Block/Lot: 1531-010-009-24200

**4. Type and Purpose of Proposed Transaction**

Transfer:  Creation of a New Lot  Addition to a Lot (moving/adjusting lot line)

Other:  Right-of-Way  Easement  Correction of Title  Charge  Lease

**5. Transferee**

If known, the name of the person(s), to whom land or interest in land is intended to be transferred, charged or leased:  
NONE relationship to owner: NONE  
 Address: NONE  
 Phone: (H) NONE (B) NONE E-mail: NONE



**6. Description of Severed Lot** (provide both metric & imperial measurements and include all dimensions on sketch)

Frontage (metres): 45.72m      Depth (metres): 89.6      Area (m<sup>2</sup> or hectares): 0.38 ha  
 Frontage (feet): 150      Depth (feet): 294.48      Area (ft<sup>2</sup> or acres): 0.93 acres

**Existing Use:** (i.e. residential, commercial, recreational) Seasonal Residential      **Proposed Use:** (i.e. residential, commercial, recreational) same

Name Existing Buildings & Structures, including well & septic (and show on sketch with setbacks) none      Name Proposed Buildings & Structures, including well & septic (and show on sketch with setbacks) Cottage

**Type of Access:**

Municipal maintained road       County Road       Provincial Highway  
 Seasonally maintained municipal road       Private road or right-of-way       Other \_\_\_\_\_  
 Water       Parking/docking facilities – distance from these to the nearest road : \_\_\_\_\_

**Water Supply:**      **Sewage Disposal: (if existing, show on sketch)**

Publicly owned/operated piped water system       Publicly owned/operated sanitary sewage system  
 Privately owned/operated individual well       Privately owned/operated individual septic tank  
 Privately owned/operated communal well       Privately owned/operated communal septic tank  
 Lake or other water body       Privy  
 Other \_\_\_\_\_       Other \_\_\_\_\_

If a septic system exists on the severed parcel, when was it installed and inspected? n/a

How far is it located from the lot line(s) & well?      (ft. or meters)

Have you shown the well & septic locations and setbacks on the sketch?     

If the severed lot is an "Addition" or "Lot Line Adjustment", please provide the following information.  
 If not, please skip this section and move onto Section 8:

**7. Description of Lot Being Added To** N/a.  
 (provide both metric & imperial measurements and include all dimensions on sketch)

Frontage (metres): \_\_\_\_\_      Depth (metres): \_\_\_\_\_      Area (m<sup>2</sup> or hectares): \_\_\_\_\_  
 Frontage (feet): \_\_\_\_\_      Depth (feet): \_\_\_\_\_      Area (ft<sup>2</sup> or acres): \_\_\_\_\_

**Existing Use:** (i.e. residential, commercial, recreational) \_\_\_\_\_      **Proposed Use:** (i.e. residential, commercial, recreational) \_\_\_\_\_

Name Existing Buildings & Structures, including wells & septic (and show on sketch with setbacks) \_\_\_\_\_      Name Proposed Buildings & Structures, including wells & septic (and show on sketch with setbacks) \_\_\_\_\_

**Official Plan Designation:** \_\_\_\_\_      **Current Zoning:** \_\_\_\_\_

**Type of Access:**

Municipal maintained road       County Road       Provincial Highway  
 Seasonally maintained municipal road       Private road or right-of-way       Water       Other \_\_\_\_\_

**Roll # of Lot Being Added to:** \_\_\_\_\_

8. Description of Retained Lot (provide both metric & imperial measurements and include all dimensions on sketch)

Frontage (metres): 121 Depth (metres): irregular Area (m² or hectares): 6 ha
Frontage (feet): 396 Depth (feet): Area (ft² or acres): 1.48 ac.

Existing Use: (i.e. residential, commercial, recreational) Seasonal Residential
Proposed Use: (i.e. residential, commercial, recreational) none.

Name Existing Buildings & Structures, including wells & septic (and show on sketch with setbacks) Residence, sleeping cabin, sheds
Name Proposed Buildings & Structures, including wells & septic (and show on sketch with setbacks) None

Type of Access:

- Municipal maintained road, County Road, Provincial Highway, Seasonally maintained municipal road, Private road or right-of-way, Other, Water, Parking/docking facilities

Water Supply:

- Publicly owned/operated piped water system, Privately owned/operated individual well, Privately owned/operated communal well, Lake or other water body, Other

Sewage Disposal: (if existing, show on sketch)

- Publicly owned/operated sanitary sewage system, Privately owned/operated individual septic tank, Privately owned/operated communal septic tank, Privy, Other

If a septic system exists on the retained parcel, when was it installed and inspected? 1985

How far is it located from the lot line(s) & well? approx 27-30 m

Have you shown the well & septic locations and setbacks on the sketch? Yes

9. Local Planning Documents

What is the current Township Official Plan designation on this property? Shoreline

What is the current County Official Plan designation on this property? Shoreland Area

Explain how the application Conforms with the current Official Plans: meets relevant policies

What is the current zoning on this property, as found in the Township Zoning By-Law? SR

10. Provincial Policy

Is the application consistent with the Provincial Policy Statements? (this information is available from the Preliminary Severance Review and/or from the County Planning Dept.) Yes No

Explain how the application is consistent: meets relevant policies

Is the subject property within an area of land designated under any provincial plan(s)? (Oak Ridges Moraine Conservation Plan applies to portions of Cavan Ward only; Growth Plan applies to the entire County of Peterborough so answer should be yes) X Yes No

If yes, explain how the application conforms or does not conflict with provincial plan(s)? meets relevant policies

11. Restrictions of Subject Land

Are there any easements or restrictive covenants (i.e. hydro, Bell) affecting the subject land? Yes No

If yes, describe the easement or covenant and its effect: Hydro Lines

**12. Previous Planning Act Applications**

Is the subject land now, or has it been, the subject of an application for a Plan of Subdivision under Section 51 or a consent under Section 53 of the *Planning Act*?  Yes  No

Has the owner of the subject land severed any land from the original acquired parcel?  Yes  No

If yes, indicate this information on the required sketch and provide the following (if known):

File No. B- \_\_\_\_\_, Transferee: \_\_\_\_\_ Date of Transfer: \_\_\_\_\_

File No. B- \_\_\_\_\_, Transferee: \_\_\_\_\_ Date of Transfer: \_\_\_\_\_

Is this land currently the subject of any other application under the Planning Act, such as an application for Official Plan Amendment, Zoning By-Law Amendment, Minor Variance, Minister's Order, or Power of Sale?  Yes  No

If yes, please provide the following:

Type: \_\_\_\_\_ File No. \_\_\_\_\_ Status: \_\_\_\_\_

**13. Minimum Distance Separation (MDS)**

Are there any **barns** within 750-1,500 metres (2,460-4,921 feet) of the subject property which currently house, or are capable of housing, livestock?  Yes  No

Are there any **anaerobic digesters** within 750-1,500 metres (2,460-4,921 feet) of the subject property?  Yes  No

If yes, please complete an "MDS Data Sheet" for each barn.

**14. Agricultural Severances** (for lands within the agricultural designation only)

Is the severance to dispose of a residence surplus to a farming operation (must have 2 houses)?  Yes  N/A

Is this severance to create a new farm parcel approximately 40 hectares (100 acres) in size?  Yes  No

Is this severance for a commercial or industrial "agriculture-related" use?  Yes  No

**15. Adjacent Lands Surrounding the Landholding**

Please state the names of the owners, the use of the land and buildings existing on the lands surrounding the applicants' entire landholding. **This information should also be on the sketch**, and can be obtained from the Township or Land Division Office. If more room is needed, please add extra Schedule page.

Direction	Name of Owner (only when known to the applicant)	Use of Land – (must be filled in) (i.e. farm, residential etc.)	Buildings (i.e. house, barn etc.) (must be filled in)
North	✓	Lake	n/a
South	✓	Crown Land	n/a
East	✓	Bay	n/a
West	✓	Recreational	Cottage

**16. Driving Directions**

Please describe in detail driving directions to the subject property: \_\_\_\_\_

N to City Rd 6, Route West Kosh Rd, 5.5 km to Y Fork, turn Right on Blue Mt Rd - 3.8 km to "X" fork, Right on FR # 93 - 3.3 km "Y" fork keep left - stay on FR # 93. 0.5 km to property



Signatures Page

If the applicant is not the owner of the subject land, a written authorization of the owner that the applicant is authorized to act as agent and make the application on his/her behalf is required (original please).

If the applicant is a Corporation acting without agent or solicitor, the application must be signed by an Officer of the Corporation with a declaration indicating that the said Officer has the authority to bind the Corporation and the Corporation's Seal (if any) must be affixed.

Signature(S)

Dated at the (City, Township) of Peterborough this 15 day of June, 2023.

Xenia Christensen  
Signature of owner(s) or authorized solicitor/agent

\_\_\_\_\_  
Signature of owner(s) or authorized solicitor/agent

Declaration

This section must be signed before a Commissioner for Taking Affidavits or a designated Official of the Municipality (i.e. Reeve, Clerk, Secretary-Treasurer of the Land Division Committee, lawyer, etc.)

I/we, Xenia Christensen of the Township, City, etc. of Hawkeek Belmont Methuen, in the County/Region/Municipality, etc. of Peterborough, solemnly declare that all the statements contained in this application are true, and I make this solemn declaration as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at the City of Peterborough in the County of Peterborough this 15 day of June, 2023.

Xenia Christensen  
Owner or authorized Agent

\_\_\_\_\_  
Owner or authorized Agent

[Signature]  
Commissioner, etc. for taking affidavits

Ann Frances Hamilton, a Commissioner, etc., Province of Ontario, for the Corporation of the County of Peterborough. Expires December 29, 2023.

Personal information contained on this form is legally authorized under Sec.53 of the Planning Act and O.Reg.197/96 for the purpose of processing your planning application and will become part of a public record.

Pursuant to Sec.1.0.1 of the Planning Act, and in accordance with Sec.32(e) of the Municipal Freedom of Information and Protection of Privacy Act the County of Peterborough may make all planning applications and supporting material available to the public in hard copy or electronically. If you have any questions about the collection, use or disclosure of this information by the County of Peterborough, please contact the CAO or Clerk, County of Peterborough, 470 Water Street, Peterborough, Ontario K9H 3M3

An "original" signed copy of the application and sketch must be submitted, together with 6 copies of both the application and sketch, each copy stapled individually with a sketch. All copies of the sketch or survey must be coloured - red for severed lots, green for retained. Copies may be double-sided. Please submit application with a cheque for \$1150.00 payable to the "County of Peterborough".

Authorization of consent

I, Tod Glen Christensen authorize my siter Xenia Kim Christensen to act on my behalf.

I am in full agreement with the land severing, for property address of: 623, F.R. # 93 HBMTWP, K0L 2H0 Ontario Canada.

Kasshabog Lake in Stony Lake Bay

Roll # 1531-010-009-24200

Concession 9

Ward of Methuen,

Severing off indicated section from parts Lots 9 & 10

Contact information is :

Tod Christensen

Email...

Cell

Tod Christensen      Tod Christensen

Tod Christensen

Dated Wednesday June 14, 2023

Wednesday June 14 / 23

## Sketch Legend

Septic's for numbers 609 & 623 are highlighted in pink

Severed proposed septic location (southern end of lot) marked in a blue rectangle

### List of structures on # 623

WS = wood shed

T= tool and storage shed

G= garden shed

C = cabin

Res = residence/main building

BT = boathouse

L = laneway

WS = workshop and storage

2 docks

Remainder of lot marked in green

Severed lot, is natural and without structures

Lot marked in red

### List of structures on # 609

Cottage and dock

**Roll # 1531-010-009-24200**  
623 FR 93, Lot 9 & 10, Concession 9, Methuen Ward  
Xenia Kim Christensen & Tod Glen Christensen  
Key Map



Scale (metric)  
1:10,000

**PLAN OF SURVEY**  
 OF PART OF LOTS 9 AND 10  
 CONCESSION 9  
 GEOGRAPHIC TOWNSHIP OF METHUEN  
 NOW  
 TOWNSHIP OF HAVELOCK - BELMONT - METHUEN  
 COUNTY OF PETERBOROUGH

SCALE -- 1 INCH = 50 FEET  
 1" = 50'

VERTICAL DISTANCES SHOWN ON THIS PLAN ARE IN FEET AND  
 MAY BE CONVERTED TO METERS BY MULTIPLYING BY 0.3048

BENINGER SURVEYING LTD.

SCHEDULE				
PART	CON.	NO.	AREA	
1	9, 10	9	ALL OF 495423	1.403 ACRES
2	10	9	PART OF 508330	0.158 ACRES

I REQUIRE THIS PLAN TO  
 BE DEPOSITED UNDER THE  
 REGISTRY ACT.

APR 29, 2005

John S. Duncan  
 Ontario Land Surveyor

**PLAN 45R-13383**  
 RECEIVED AND DEPOSITED  
 June 8<sup>th</sup> 2005  
 h. Collins  
 LAND REGISTRAR FOR THE  
 REGISTRY DIVISION OF  
 PETERBOROUGH (N° 45)

**SURVEYOR'S CERTIFICATE**

I CERTIFY THAT:

- THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE REGISTRY ACT AND THE REGULATIONS MADE UNDER THEM.
- THE SURVEY WAS COMPLETED ON APRIL 27, 2005.

APR 29, 2005  
 PETERBOROUGH, ONTARIO

John S. Duncan  
 Ontario Land Surveyor



**LEGEND AND NOTES**

- BOUNDARY SURVEY MONUMENT (T.M.)
- BOUNDARY SURVEY MONUMENT, PLAINLY SHOWN BY
- BOUNDARY MONUMENT
- BOUNDARY MONUMENT WITH IRON
- BOUNDARY MONUMENT WITH IRON AND CEMENT
- BOUNDARY MONUMENT WITH IRON AND CEMENT AND PLASTER
- BOUNDARY MONUMENT WITH IRON AND CEMENT AND PLASTER AND CONCRETE
- BOUNDARY MONUMENT WITH IRON AND CEMENT AND PLASTER AND CONCRETE AND METAL
- BOUNDARY MONUMENT WITH IRON AND CEMENT AND PLASTER AND CONCRETE AND METAL AND WOOD
- BOUNDARY MONUMENT WITH IRON AND CEMENT AND PLASTER AND CONCRETE AND METAL AND WOOD AND STONE

BEARINGS SHOWN HEREON ARE ASTRONOMIC AND ARE DERIVED  
 FROM THE SOUTH LIMIT OF WEST N° 875382, SHOWN ON PLAN AND  
 FIELD NOTES BY J.S. DUNCAN D.D.S. DATED 24 SEPTEMBER 1939  
 AS HAVING A BEARING OF N88°38'00"E.

**BENINGER SURVEYING LTD.**  
 414 WATER STREET  
 PETERBOROUGH, ONTARIO  
 K9H 3L6  
 FAX 705-743-3070  
 TELEPHONE 705-743-8634

JOHN S. DUNCAN  
 22868  
 PETERBOROUGH, ONTARIO  
 N3A 2E9



## Information for Severance Sketch

### Address

623 F. R. # 93 HBMTWP Ontario K0L 2H0

ROLL # ~~1531-010-24200-0000~~ Ward of Methuen CON 9 Part lots 9 & 10  
1531-010-009-24200

Kasshabog Lake

### Severed Lot

Approx. Measurements:

Acreage 0.74

Frontage 150 square feet or 45.72 meters

Property runs north/south depth 294 square feet or 89.6 meters

No buildings, septic, laneway or docks.

Natural land

Driving distance from severed lot to nearest railway tracks 5km

Proposed location for septic bed is marked in a blue rectangle, closer to south end of lot

No neighbours to the north (Kasshabog Lake) or south (Crownland)

East neighbors are Xenia Kim Christensen & Tod Glen Christensen # 623

West Neighbours XXXXXXXXXXXXXXXXXXXX # 609

Distance to # 609 (west boundary) Septic approx.. 150 feet or 45.72 meters highlighted in pink

Distance to # 623 Septic (east boundary) approx. 230 feet or 70.104 meters highlighted in pink

Access by water or private cottage road



Hydro Lines Cross east/west

**Retained Property (Remainder ) # 623**

Approx.. Measurements

Acreage 1.63

Remaining shoreline Frontage 250 square foot or 76.2 meters

Property is not a standard shape and measurements vary.

No neighbours to the north or south or east, as that is a large unoccupied bay

Buildings: residence, boathouse, cabin, tool shed, garden shed, woodshed, carport, work and storage shop.

2 docks, one east boundary and one west boundary.

Access by water and private cottage road

Hydro line cross east/west behind ( south) of residence and buildings

Distances regarding Septic locations

To severed lot line 300 feet or 91.4 meters

To north shoreline 60 feet or 18.3 meters

To east shoreline 65 feet or 19.8 meters

Septic installed in the '80s and pumped out regularly by Munros

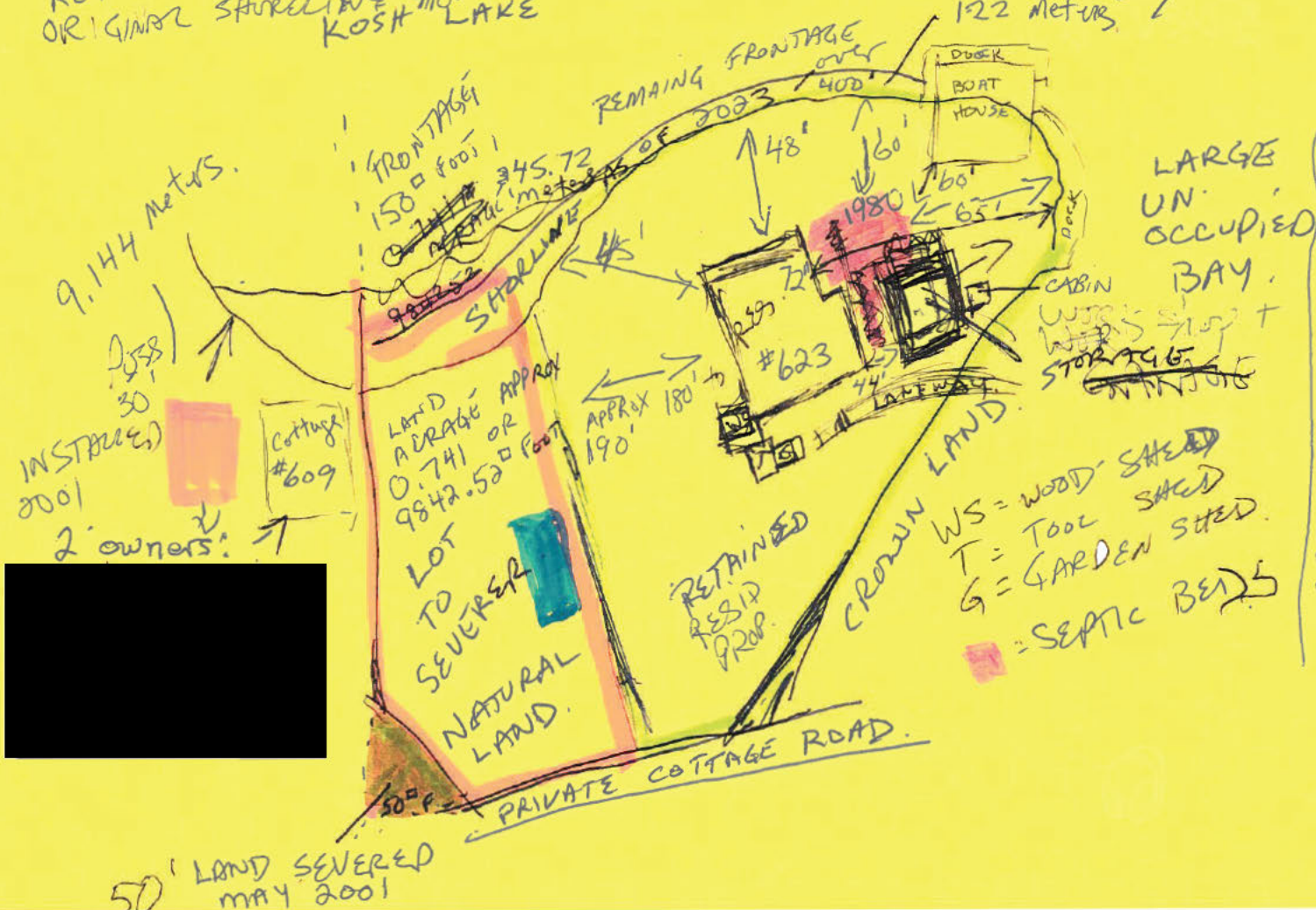
Roll # 15-31-010-009-24200 • CONVEYANCE WITH MET. ... meters

TOTAL PRESENT LAND ACREAGE 2.37 OR 103237.2  $\square$  FT <sup>meters</sup> 9591.05

~~RETAINING~~ / RETAINING LAND ACREAGE 1.629 OR 71307.72  $\square$  FT <sup>meters</sup> 21734.6

RETAINING SHORELINE FRONTAGE 6593.33

ORIGINAL SHORELINE #10' KOSH LAKE



**Planning Act  
Provisional Consent**

Date: March 11, 2024

**B-59-23 – Xenia & Tod Christensen - Methuen - Lot: 9 & 10 – Concession:9**

The County of Peterborough has granted **Approval** to this application subject to the fulfillment of the following conditions:

**Conditions to Decision:**

1. The Secretary-Treasurer will receive the following when all other conditions are met: Two (2) copies each of the following documents: (i) Signed Acknowledgement and Direction, (ii) the "Transfer in Preparation", (iii) the Planning Act Certificate Schedule.
2. Further required: One (1) printed copies of the deposited Plan of Survey or a legal description acceptable to the Registrar of Deeds illustrating the severed lands.
3. Further to the printed Plan of Survey: A PDF file and A closed polygon vector file of the Part boundaries shown on the Reference Plan is to be provided in Autodesk DWG Windows-readable format to the satisfaction of the County. It is recommended that the applicant's Ontario Land Surveyor consult with the County of Peterborough GIS Section to confirm acceptable standards and formatting. The Surveyor should contact the Secretary-Treasurer or the County Website for instructions on how to submit this document.
4. \$1,000.00 Cash-in-lieu of parkland fee be paid to the Municipality.
5. That the applicants demonstrate proper access to the severed parcel.

**Reason:** This application conforms to the County and Municipal Official Plans and Zoning By-law.

All written and oral submissions relating to this application were given due consideration, allowing the approval authority to make an informed decision.

The applicant and any prospective owners are advised that endangered threatened species exist in the area and may exist on the site. It is the responsibility of the landowner to identify endangered and threatened species and their habitat within the property prior to undertaking work, and to ensure that the work/activity will not result in negative impacts. Landowners are encouraged to consult with their local Ministry of Natural Resources district office if they have questions about the Endangered Species Act. Any sightings of a threatened or endangered species during development and construction on the property must be reported to the local MNR Species at Risk Biologist.

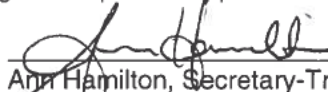
It is the responsibility of the applicant to complete the above-mentioned conditions. **A letter is required by the Secretary-Treasurer, from the agency or department that requested a condition**, confirming condition is met in order to clear that condition. If applicable, please refer to the attached report(s). There is also a **\$450.00** fee for stamping a deed or issuing a Certificate by the Secretary-Treasurer when the transfer documents and R-plans or legal descriptions are presented. **The two (2) year expiry date for this file to have all conditions met is: March 11, 2026.**

Note: Pursuant to Section 53(41) - "If conditions have been imposed and the applicant has not, within a period of two year after notice was given under subsection (17) or (24), whichever is later, fulfilled the conditions, the application for consent shall be deemed to be refused". If this decision is appealed, the expiry date will be 2 years from the date that the Ontario Land Tribunal issues its Order.

Approved by   
Iain Mudd, Director of Planning

Date: March 11 / 24

Certified a true copy of the Decision of the County of Peterborough in respect to Application **B-59-23**.

  
Ann Hamilton, Secretary-Treasurer

Last date for filing an appeal under Section 53 of the Planning Act is **April 1, 2024 at 4:30 m.**



July 4<sup>th</sup>, 2024

Ms. Ann Hamilton  
Secretary-Treasurer  
County of Peterborough  
Land Division Department  
County Court House  
470 Water Street  
Peterborough ON H9H 3M3  
[ahamilton@ptbocounty.ca](mailto:ahamilton@ptbocounty.ca)

Dear Ms. Hamilton:

**Re: Consent to Sever Applications B-59-23**

I am writing in response to the receipt of the draft RPLAN provided by Chris Musclow of JBF Surveyors Ltd., on Wednesday June 26, 2024. It appears that the frontage of the severed parcel is less than the minimum required under the requisite zone of the property. Therefore, the Township requests the addition of the following condition:

***'A rezoning for the severed lot be successfully completed to the satisfaction of the municipality'***

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

Sincerely,

*Bob Angione*

Bob Angione, M.P.A., B.Admin.  
Municipal Clerk

Copy: Travis Toms, CBO – HBM  
Arya Hejazi, Planning Assistant – HBM





For Use by Principal Authority	
Property Address:	Date Received:
Roll Number:	Pre-consultation Date:
Designation:	Zone:

Owner Information:		
Name of Owner(s): XENIA + TOD CHRISTENSEN		
Address (Building/Fire Number, Street Name): 623 F.R. #93		
City, Province, Postal Code: HBM TWP ON K0L 2H0		
Phone:	Cell:	Fax:
[Redacted]	[Redacted]	[Redacted]
Email: [Redacted]		

Agent Information:		
Name of Agent: NO AGENT N/A		
Address (Building/Fire Number, Street Name):		
City, Province, Postal Code:		
Phone:	Cell:	Fax:
Email:		

Agent Authorization (to be completed by Owner(s)):	
If the applicant is not the owner of the land(s) that is subject to the application, confirmation by the owner(s) that the agent is authorized to request a pre-consultation meeting on his/her behalf must be completed below:	
I/we _____ (Print: name of owners(s))	_____ the registered owner(s) of
_____	_____ hereby authorize
_____	_____ to act as an agent for this Pre-consultation Request.
_____	_____
Date	Signature of Owner(s)



	Existing	Proposed
Setback to High Water Mark from Deck of Main Building/Principle Dwelling	N/A	N/A
Setback to High Water Mark from Main Building/Principle Dwelling	N/A	N/A
Front Yard Setback to Main Building/Principle Dwelling	N/A	N/A
Side Yard Setback to Main Building/Principle Dwelling	N/A	N/A
Rear Yard Setback to Main Building/Principle Dwelling	N/A	N/A
Setback of Septic System from High Water Mark	N/A	N/A
Setback of Septic System from Structure (accessory, main building)	N/A	N/A
High Water Mark Setback for Accessory Structure 1	N/A	N/A
Front Yard Setback for Accessory Structure 1	N/A	N/A
Side Yard Setback for Accessory Structure 1	N/A	N/A
Rear Yard Setback for Accessory Structure 1	N/A	N/A
High Water Mark Setback for Accessory Structure 2	N/A	N/A
Front Yard Setback for Accessory Structure 2	N/A	N/A
Side Yard Setback for Accessory Structure 2	N/A	N/A
Rear yard Setback for Accessory Structure 2	N/A	N/A





	Existing	Proposed
High Water Mark Setback for Accessory Structure 3	N/A	N/A
Side Yard Setback for Accessory Structure 3	N/A	N/A
Rear Yard Setback for Accessory Structure 3	N/A	N/A
Number of Parking Spaces	N/A	N/A
Is this property a permanent, year-round residence?	N/A	N/A

**Please note:**

- 1. A pre-consultation is a mandatory component for both zone and official plan amendment applications. It is recognized that this is a proposal and certain elements may be subject to change. Comments provided as they relate to your proposal will be based on the information provided at pre-consultation. Requirements for submitting an application are subject to change if there are significant revisions to the proposed development.**

**Under no circumstances will a pre-consultation constitute a formal approval/disapproval of an application.**

- 2. There is no fee for requesting a pre-consultation, however, if you are unable to keep your scheduled appointment, please notify the planning department as soon as possible.**
- 3. The information provided to the municipality may be shared with applicable agencies.**



**JBF SURVEYORS**

3177 Lakefield Road, Box 70  
Lakefield, ON K0L 2H0  
705-652-6198  
Email: [info@jbfsurveyors.com](mailto:info@jbfsurveyors.com)



### 3-59-23 access from crown land road to severed lot.

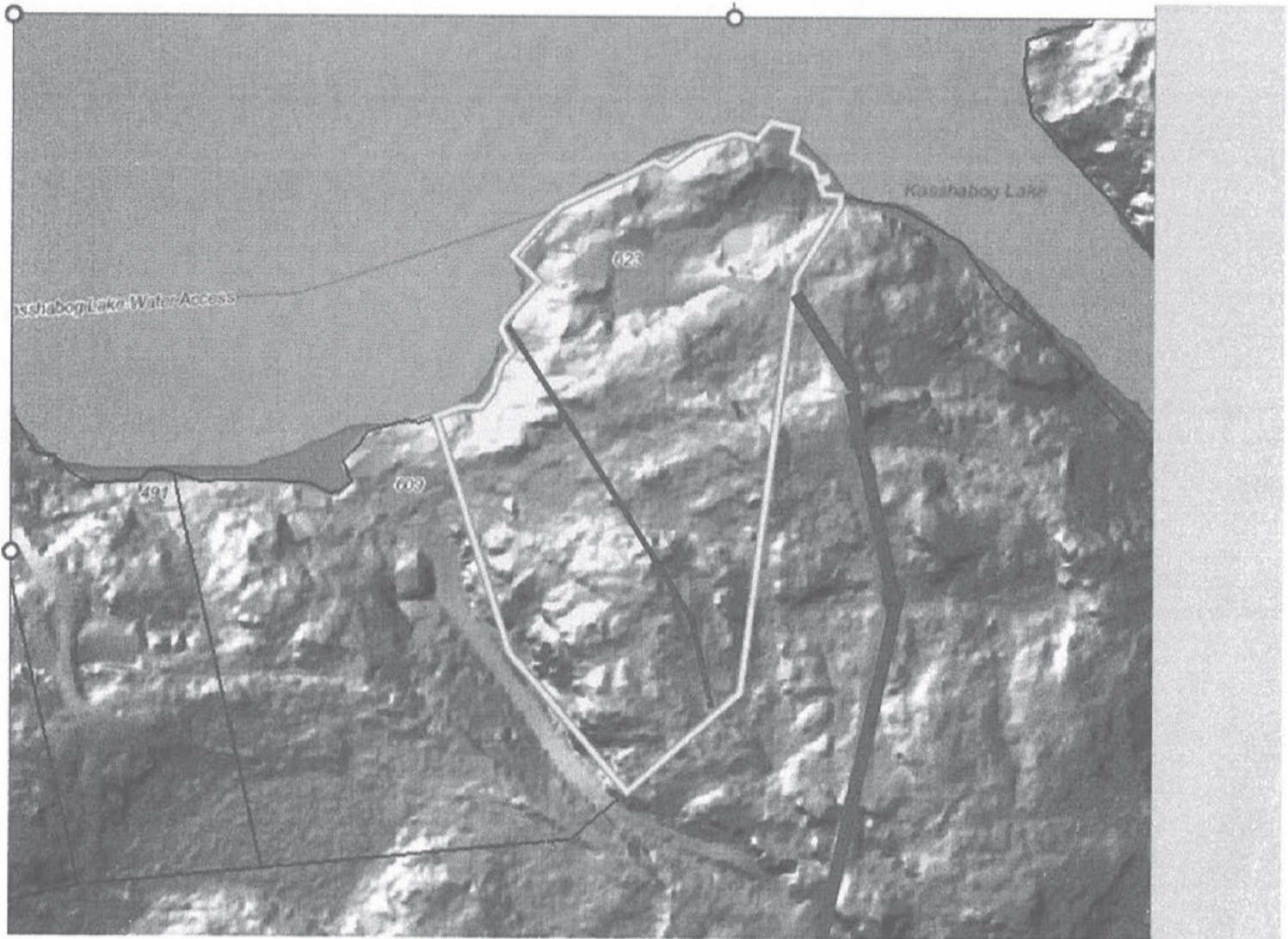
messages

Hamilton, Ann <AHamilton@ptbocounty.ca>

Tue, Mar 19, 2024 at 11:32 a.m.

Hello Xenia

This is a photo provided by the township; I added what I believe to be the driveway from the Fire Route to your lot as it exists now (shown in blue). If you could mark on this where you would anticipate the entrance to the severed portion (the red line is the new lot line as per the application) I will then inquire with the MNR what would be required for you to obtain that access and if they would indeed allow it.



Your input would be appreciated.



# KASSHABOG



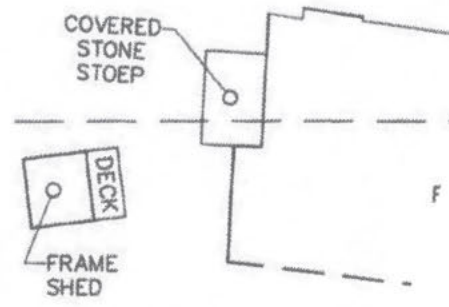
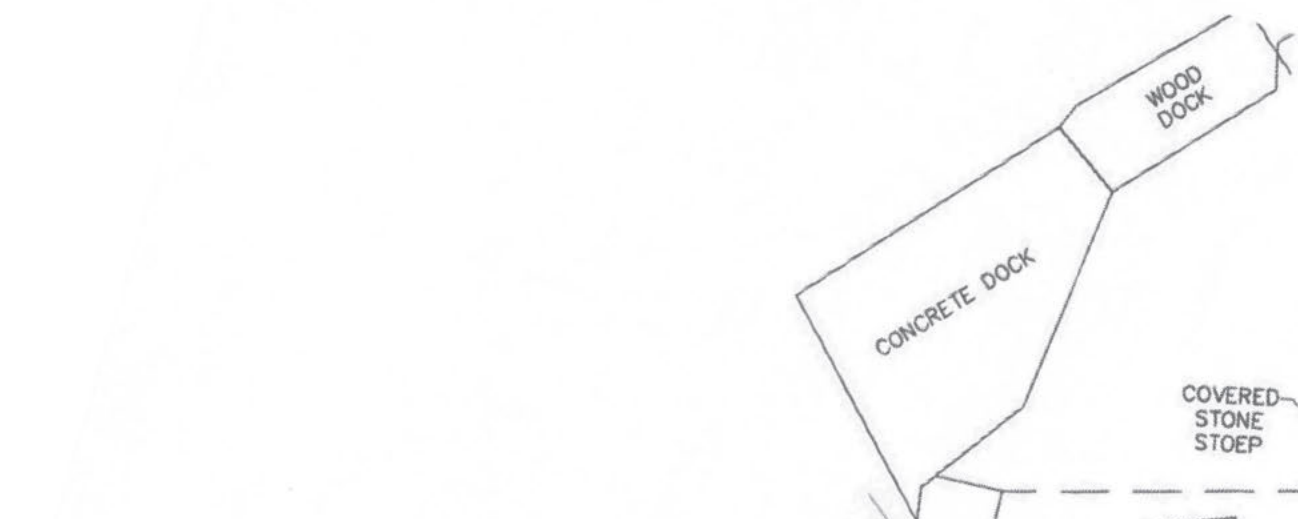
20.70

104.35

112.65

61.07

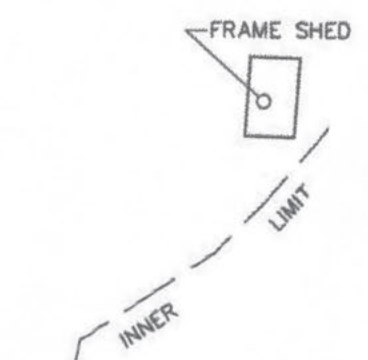
44.25



STRAIGHT LINE FRONTAGE AS CURRENTLY POSTED = 42.08

50.5±

WATER'S EDGE



FROM 45R 14182







**Property Information:**

**Legal Description of the Subject Land:**

PARTS

Lot: 9+10	Concession: 9	Ward: METHUEN	Registered Plan No.:	Lot/Block:
--------------	------------------	------------------	----------------------	------------

Street Address: 623 F.R. #93	Reference Plan: 45R-14182	Part Number:
---------------------------------	------------------------------	--------------

**Current Land Uses:**

Please describe the current uses on the property (e.g. detached year-round dwelling, seasonal cottage, hunt camp, commercial):

ORIGINAL / NATURAL LOT

**Proposed Land Uses:**

Please describe the proposed uses on the property (e.g. detached year-round dwelling, seasonal cottage, bunkhouse, deck on side of cottage, expansion to commercial building):

FOR SALE . UNKNOWN FUTURE DWELLING.

**Additional Information:**

Please provide any additional information that may be of assistance in reviewing the proposal including location hydro lines

SKETCHES PROVIDED .

Has consultation with Crowe Valley Conservation Authority commenced? If so, please provide Property Information Form number.

# TOWNSHIP OF HAVELOCK-BELMONT-METHUEN

To: The Mayor and Members of Council

Prepared By: Nolan Atterbury, Township Planning Consultant

Approved By: Elysia Ackroyd, Township Planning Consultant

Meeting Date: November 19, 2024

Subject: **Application to Amend** Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law 1995-42 (AS AMENDED). Jason Prince, Lot 12, Concession 5, Belmont Ward.

## **PURPOSE and EFFECT:**

**The purpose and effect of this report is to present for the consideration and requisite approval of Council, an application to amend Comprehensive Zoning By-law No. 1995-42 (as amended) in order to rezone the subject lands from the Rural Zone (RU) to the Environmental Protection Zone (EP), to protect natural features on the subject lands from future development.**

## **RECOMMENDATION:**

- That subject to any new information or public comments received prior to or at the statutory public meeting, the draft by-law be passed as presented; and
- That the balance of this report be received.

## **BACKGROUND:**

As proposed, the application will consist of the rezoning of the subject lands, located in Part Lot 30, Concession 11 in the Methuen Ward, and known municipally as 97 Fire Route 88 (hereby referred to as “the subject lands”) from the Rural Zone to the Environmental Protection Zone. Currently the property contains several structures for storage purposes.

An application for consent to sever, referenced as application B-169-22 (Sterling and Steele) was received by the County of Peterborough Land Division on November 24, 2022, which proposed the creation of one new lot having an area of approximately 14.5 hectares and approximately 165 metres of frontage along Jack Lake (the subject lands). A preliminary severance review was completed in advance of the application submission between the applicant and the County of Peterborough Planning Department on October 4<sup>th</sup>, 2021 which identified that an Environmental Impact Assessment (EIS) would be required in support of a complete application for consent.

An EIS was completed by D.M. Wills in 2018 for the previous property owners which evaluated the environmental constraints on the subject lands. The EIS confirms that there are insufficient lands to support a buildable envelope without creating adverse impacts to natural heritage resources and Provincially Significant Wetland on the subject lands. The EIS was submitted in support of application B-169-22.

The Council of the Township of Havelock-Belmont-Methuen endorsed the application to create one new lot, and recommended that a \$1000.00 Cash-in-lieu of Parkland be paid to the Municipality, and that a rezoning of the subject lands be completed to the satisfaction of the municipality, for the purposes of protecting the lands from further development. Application B-169-22 was provisionally approved on March 21<sup>st</sup>, 2024 by the County of Peterborough, with the conditions by the Township.

A Zoning By-law amendment application for the subject lands was submitted by One Community Planning Inc. on behalf of the owner to rezone the subject lands to EP with an exception to permit a legally existing storage structure on site. The application was received by the Township on September 26<sup>th</sup>, 2024.

Through consultation with the applicant and municipal Staff, it is recommended that the subject lands be rezoned to the Environmental Protection Zone to protect natural features on the subject lands from future development. The existing permitted storage structure on the site will continue to be permitted as a legal non-conforming use pending the approval of the proposed zoning by-law amendment, per Section 4.10A of the Zoning By-law.

**Owners/Applicants:** Jason Prince

**Property Description:** Lot 30, Concession 11 – Methuen Ward

**Municipal Address:** 97 Fire Route 88

**Roll Number:** 153101000770300

**Lot Area:** 14.5 hectares

**Type of Planning Approval:** Planning Act, Section 34

**Appendix:** Notice of Complete Application and Public Meeting  
GIS Mapping  
Zoning By-law Amendment Application  
Zoning By-law Amendment  
Minor Variance Application (B-169-22)  
Minor Variance Report (B-169-22)  
Municipal Appraisal Form (B-169-22)  
Environmental Impact Study  
Previous Minor Variance Decision (A-5-98-010-007-703)  
Ministry of Natural Resources Letter (A-5-98-010-007-703)  
Previous Minor Variance Deferral (A-5-98-010-007-703)  
Building Permit

### **Description of Property and Surrounding Lands**

The subject lands comprise approximately 14.5 hectares (35.8 acres), with approximately 165 metres of frontage on Jack Lake.

The subject lands are currently developed with an approximately 126.4 square metre storage structure which received building permit approval in 1998. Several temporary storage structures exist on the subject lands, as identified through GIS imagery.

The subject lands are designated as Rural and Shoreline in the Township of Havelock-Belmont-Methuen. The subject property is currently zoned Rural Zone (RU) in the Township Zoning By-law.

The surrounding lands are primarily occupied by shoreline residential uses as well as larger rural properties supporting residential uses.

### **History of Use**

A previous minor variance application (File No. A-5-98-010-007-703-00) was submitted by previous owners for the purposes of developing a storage structure on the subject lands, which would operate as an accessory building to the cottage on the neighbouring waterfront lot (97 FR 88). Through the review of the application by Council on May 19<sup>th</sup>, 1998, a condition was included in the minor variance approval which required that the subject lands and the lands developed with the neighbouring cottage lot be joined legally as one parcel of land. The application was deferred until the Ministry of Natural Resources (MNR) could provide comments on the application. MNR provided comments on the minor variance application on June 2<sup>nd</sup>, 1998 which identified that construction of the proposed storage structure would require filling within fish habitat connected to Jack Lake. MNR comments noted that if the applicant were to move the structure north of the fish habitat, no approvals would be required by the Department of Fisheries and Oceans.

The application was heard a second time at the Township Committee of Adjustment on June 16<sup>th</sup>, 1998, where the application was approved with the condition that a new site plan be submitted, relocating the proposed storage structure in line with MNR recommendations. A letter from the Township dated July 20<sup>th</sup>, 1998, clarified that the condition of joining the subject lands and the neighbouring cottage lot as one applies to the approved minor variance, as per the May 19<sup>th</sup> meeting, although the condition was not placed on the approval form for minor variance.

A building permit was approved for the storage structure in July of 1998, permitting the construction of the 126.4 square metre structure on the subject lands.

The current owners acquired the property in 2022, and pursued consent applications to sever the subject lands back to the pre-1998 lot configuration in November of that year. The subject lands have been utilized for residentially recreational purposes since 1998 (i.e. ATVing, hiking, storing personal vehicles, etc.).



## **Proposed Development**

The applicant is requesting permission to rezone the subject lands from the Rural Zone to the Environmental Protection Zone to fulfill a condition of the approved minor variance application B-169-22. The proposed EP zone is intended to protect natural features on the subject lands from future development. The applicant intends to retain the existing, permitted storage structure on the subject lands which will continue to be permitted as a legal non-conforming use.

## **PLANNING DISCUSSION:**

### *2020 Provincial Policy Statement (2020 PPS)*

The subject application was submitted in September 2024, and therefore the policies of the 2020 Provincial Policy Statement (2020 PPS) apply.

The 2020 PPS supports the creation of strong, sustainable and resilient communities, and the protection of the quality of the natural environment. The vision for the 2020 PPS recognizes that the undesirable effects of development on air, water and other resources must be minimized to promote environmentally sound communities.

Section 1.1 of the 2020 PPS promotes development and land use patterns that avoid environmental or public health and safety concerns and conserve biodiversity. The proposed rezoning conserves biodiversity and promotes the protection of natural features by establishing an Environmental Protection Zone on the subject lands which will prohibit future development of structures.

Section 1.1.4 provides policy direction for rural areas in Municipalities, supporting the conservation of biodiversity and the consideration of ecological benefits provided by nature.

Section 1.5 of the 2020 PPS provides policies related to recreation, trails, and open space, supporting the recognition and protection of protected areas. An EIS completed in 2018 identified the Brooks and Sheep's Bay Wetland Complex, Jack Lake PSW on the subject lands. The subject application recognizes and protects the PSW and its adjacent lands by establishing an Environmental Protection Zone on the subject lands.

Section 2.1 provides natural heritage policies supporting the long-term protection of natural features and areas, and the enhancement of the ecological function and

biodiversity of natural heritage systems. Section 2.1.4 prohibits development and site alteration within significant wetlands located in Ecoregions 5E, 6E and 7E. Section 2.1.5 prohibits development and site alteration within significant wildlife habitat unless no negative impacts are demonstrated to natural features or ecological functions. Development and site alteration is prohibited within fish habitat, and habitat of endangered and threatened species, except in accordance with provincial and federal requirements. Section 2.1.8 prohibits development and site alteration on adjacent lands to natural heritage features and areas, unless the ecological functions have been evaluated and no negative impacts on the features are anticipated.

The subject lands have been evaluated for natural features, identifying Provincially Significant Wetland (PSW) known as Brooks and Sheep's Bay Wetland Complex, Jack Lake. An EIS has been prepared which identifies Significant Wildlife Habitat, fish habitat, and potential for endangered and threatened species on the subject lands. The EIS anticipates that any site alteration on the subject lands would create adverse impacts to natural heritage features. The proposed rezoning of the subject site to Environmental Protection to protect natural features from future development is consistent with natural heritage policies of the 2020 PPS.

In our opinion, the application is consistent with the 2020 PPS.

#### 2024 Provincial Planning Statement (PPS)

Although the subject application is subject to the policies of the 2020 PPS, the application is also reviewed for consistency with the 2024 Provincial Planning Statement (PPS), herein.

The PPS promotes the protection of natural features and areas for the long term, and the improvement of the long-term ecological function and biodiversity of natural heritage systems.

Environmental policies contained in Section 2.5 of the PPS are generally similar to those of Section 1.1.4 of the 2020 PPS.

Section 4.1 provides policy direction related to natural heritage. The natural heritage policies of Section 4.1 are identical to the policies of Section 2.1 in the 2020 PPS, which are reviewed in detail above.

In our opinion, the application is consistent with the PPS.

County of Peterborough Official Plan

The subject lands are designated Natural Environment, Shoreland Areas and the Waterfront, and Rural and Cultural Landscape in the County of Peterborough Official Plan (“the Plan”). Policies of the Plan support uses that preserve and enhance natural features and ecological systems in all three land use designations.

Section 4.1 of the Plan identifies natural heritage features including wetlands, endangered and threatened species habitat, fish habitat and wildlife habitat. Appropriate land use policies must be applied to protect natural heritage features and areas from incompatible development, and to enhance natural areas and ecosystems.

The Plan states that development and site alteration within PSWs and in significant portions of endangered and threatened species habitat is not permitted. Development may be permitted within or adjacent to natural heritage features provided that an EIS demonstrates no negative impacts. No development is proposed as a result of the subject rezoning. The proposed rezoning intends to protect natural heritage features and the identified the Brooks and Sheep's Bay Wetland Complex, Jack Lake PSW on the subject lands from development for the long term.

The Plan states that the predominant land use within the Provincially Significant Wetland designation are educational, recreational and interpretive uses provided that there are no negative impacts on wetland features or the ecological function. The proposed rezoning will prohibit development on the subject lands within and adjacent to the PSW while permitting appropriate, limited recreation uses as per the EP zone policies of the Zoning By-law.

In our opinion, the application conforms with the County’s Official Plan.

Township of Havelock-Belmont-Methuen Official Plan

The subject lands are designated ‘Shoreline’ and ‘Rural’ in the Township Official Plan (OP). Rural lands in the Township are characterized by rural landscape which reinforces relationship between hamlet areas, shoreline communities and the surrounding farm and rural community to which the hamlet areas provide basic services. Development in the Rural designation shall be consistent with maintaining the natural heritage landscape and the retention of forested areas.

Lands designated Shoreline are generally identified as extending inland 150 metres from any standing waterbody, and held in private ownership. Section 3.3.2 provides policy direction regulating shoreline character. Section 3.3.2.2 recognizes the importance of shorelines for plant and animal habitats and states that the preservation and protection of the appearance of the shoreline in a natural vegetated state shall be encouraged.

The proposed rezoning shall prohibit further development on the subject lands and maintain the property in its natural state, supporting the objectives of the Rural and Shoreline designations.

Section 3.7 provides policy direction on lands designated Environmental Protection. The Brooks and Sheep's Bay Wetland Complex, Jack Lake PSW is identified on the subject lands through GIS imagery provided by the County of Peterborough. Although the evaluated PSW on the subject lands is not identified on Schedule B2 of the OP, the policies of Section 3.7 still apply for the lands evaluated as a PSW. Section 3.7 is also reviewed with regard to the identified deer wintering area and fish spawning areas depicted on Schedule B2 of the Township OP.

Section 3.7.1 states that the Environmental Protection designation includes natural features and areas that provide ecological functions critical to the survival of all species. Natural features in this designation include but are not limited to significant wetlands, significant woodlands, significant portions endangered and threatened species habitat, significant wildlife habitat, and fish habitat.

Permitted uses within Environmental Protection designations are limited to conservation uses, wildlife management and outdoor recreation activities that do not result in adverse impact to natural features or ecological functions. The proposed rezoning keeps with the intent of the Environmental Protection designation by prohibiting development while permitting recreational use of the subject lands.

Section 3.7.3 provides development policies related to PSWs, fish spawning areas and deer wintering areas identified on schedule B2 of the OP. The intent of these policies is to identify significant features where development shall not be permitted or may be permitted subject to an EIS.

No development or site alteration is permitted within a significant wetland. Development may be permitted within 120 metres of a significant wetlands if an EIS has determined that no negative impacts to the feature are anticipated. An EIS was prepared in 2018

which evaluated the environmental constraints and determined that there are insufficient lands for a buildable envelope on the subject lands. The proposed rezoning of the subject lands to an EP zone is in keeping with the intent of the significant wetland policies of the OP.

Section 3.7.3.2 provides policy direction on development within or adjacent to endangered and threatened species habitat. The OP states that no development will be permitted within significant habitat of endangered and threatened species. Development within 50 metres of endangered and threatened species habitat shall require an EIS. The EIS completed in 2018 identifies that the subject lands have potential to contain habitat for endangered and threatened species. The proposed zoning amendment will prevent development within wildlife habitats, and promote the retention of natural features, supporting biodiversity.

Development and site alteration is not permitted within spawning areas except in accordance with provincial and federal requirements. Development and site alteration shall not occur within 30 metres of spawning areas unless an EIS demonstrates no negative impacts. The proposed rezoning will have the effect of preventing development adjacent to a fish spawning area identified on Schedule B2 by restricting development within and adjacent to fish spawning area.

Section 3.2 states that no policy of Section 3.7 will prevent natural heritage areas that have been deemed significant by the provincial government or the municipality which have not been designated on Schedules B1 and B2 from being recognized in the implementing by-law. The proposed rezoning intends to recognize and protect PSW not included in Schedule B2 of the OP in the implementing Zoning By-law.

In our opinion, the application conforms to the policies of the Township's Official Plan.

*Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law No. 1995-42 (as amended)*

According to Schedule 'A2' of the Township's Comprehensive Zoning By-law No. 1995-42 (as amended) the subject lands are currently zoned Rural Zone (RU). A Zoning By-law amendment is requested to rezone the subject lands to the Environmental Protection Zone (EP).

Section 22 of the Zoning By-law regulates land use within Environmental Protection Zones. As per Section 22.1 permitted uses in the EP zone are limited to passive



recreational and conservation uses, and existing agricultural, recreation, forestry and conservation uses. No new development or uses are proposed on the subject lands. Uses on the subject lands are anticipated to be limited to passive recreational uses and the conservation of the existing lands.

Section 22.2.1 provides regulations for permitted uses in the EP zone. Section 22.2.1 states that no buildings or structures will be permitted in the EP zone if such portion is within a provincially significant wetland. The proposed Zoning By-law amendment will apply the EP zone to currently Rural lands, protecting the PSW and other natural features on the site from future development of structures.

Following our review and assessment of this application within the context of relevant land use planning policies; it is our opinion that the subject application conforms to the County of Peterborough Official Plan, Township of Havelock-Belmont-Methuen Official Plan, Township of Havelock-Belmont-Methuen Comprehensive Zoning By-law and is consistent with the 2020 Provincial Policy Statement, and the 2024 Provincial Planning Statement.

## **COMMENTS:**

### **Staff Comments:**

None received at the time of report preparation.

### **Agency Comments:**

Should any additional comments be received prior to the November 19, 2024 meeting of Council, they will be brought forward at that time.

### **Public Comments:**

Should any additional comments be received prior to the November 19, 2024 meeting of Council, they will be brought forward at that time.

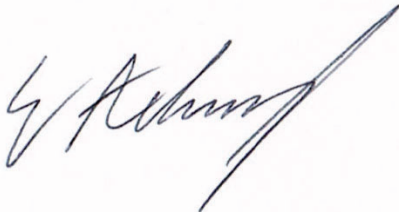
## **FINANCIAL IMPACT:**

There are no financial impacts unless Council's consideration respecting the approval or refusal of the requested amendment is appealed to the Ontario Land Tribunal. In the

event of an appeal, there could be costs, some of which may be recovered from the applicant.

All of which is submitted for Council's consideration.

Submitted by:



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Elysia Ackroyd MCIP, RPP  
Planning Consultant

- Appendix A: Notice of Complete Application and Public Meeting
- Appendix B: GIS Mapping
- Appendix C: Zoning By-law Amendment Application
- Appendix D: Zoning By-law Amendment
- Appendix E: Minor Variance Application (B-169-22)
- Appendix F: Minor Variance Report (B-169-22)
- Appendix G: Municipal Appraisal Form (B-169-22)
- Appendix H: Environmental Impact Study
- Appendix I: Previous Minor Variance Decision (A-5-98-010-007-703)
- Appendix J: Ministry of Natural Resources Letter (A-5-98-010-007-703)
- Appendix K: Previous Minor Variance Deferral (A-5-98-010-007-703)
- Appendix L: Building Permit



**Notice Of Complete Application and A Public Meeting  
Concerning A Zoning By-Law Amendment**

**Take Notice** that the Corporation of the Township of Havelock-Belmont-Methuen is in receipt of an application for a Zoning By-law Amendment for certain lands located in Part Lot 30, Concession 11, with municipal address of 97 Fire Route 88 in the Methuen Ward, on Jack Lake; bearing the Assessment Roll Number (ARN) 1531-010-007-70300.

As required under subsection 34 (10.4) and 34 (10.7) of the *Planning Act*, R.S.O. 1990, as amended, Council of the Township of Havelock-Belmont-Methuen has deemed this application to be "Complete".

**Take Further Notice** that the Council of the Corporation of the Township of Havelock-Belmont-Methuen will hold a public meeting on **November 19<sup>th</sup>, 2024 at 9:30 a.m.** to consider a proposed Zoning By-law Amendment under Section 34 of the *Planning Act*, R.S.O., 1990, as amended. **The Public Meeting will be held in hybrid fashion (in-person and electronically).**

If you wish to participate in the meeting in real time, please contact the Clerk, Bob Angione, by email at [BAngione@hbmtwp.ca](mailto:BAngione@hbmtwp.ca) **no later than 12:00 p.m. (noon) on the day prior to the scheduled meeting** and you will be provided with an invitation to join the meeting using your computer or phone.

The Municipality is using Zoom for electronic meetings. The application can be downloaded to either a computer or cell phone. It is recommended that you test the program in advance of the meeting. Meetings will also be recorded and made available on YouTube for public viewing as soon as possible following the meeting.

We would encourage you to communicate with Council by forwarding written comments in support or opposition of the application to [BAngione@hbmtwp.ca](mailto:BAngione@hbmtwp.ca) or to P.O. Box 10, 1 Ottawa Street East, Havelock, ON K0L 1Z0.

**Purpose and Effect:**

The purpose of the Zoning By-law Amendment Application for 97 Fire Route 88 is to rezone the subject lands from the 'Rural (RU) Zone' to the 'Environmental Protection (EP) Zone' to protect the natural features on the subject lands from future development.

**A key map** showing the lands to which this application applies is provided with this notice.

Any person may attend the public meeting and/or make verbal or written representation either in support of or in opposition to the proposed Zoning By-law Amendment. Written submissions in respect of the proposed Amendment should be directed to the Clerk of the Township of Havelock-Belmont-Methuen.

If a person or public body would otherwise have an ability to appeal the decision of the Council of the Corporation of the Township of Havelock-Belmont-Methuen to the Ontario Land Tribunal but the person or public body does not make oral submissions at a public meeting or make written submissions to the Township of Havelock-Belmont-Methuen before the by-law is passed, the person or public body is not entitled to appeal the decision.

If a person or public body does not make an oral submission at the public meeting or make written submissions to the Township of Havelock-Belmont-Methuen before the by-law is passed, the person or public body may not be added as a party to the hearing of an appeal before the Ontario Land Tribunal unless, in the opinion of the Tribunal, there are reasonable grounds to do so.

**Notification:**

If you wish to be notified of the decision of the Council of the Township of Havelock-Belmont-Methuen on the proposed zoning by-law amendment, you must make a written request to the Clerk of the Township of Havelock-Belmont-Methuen at the address below.

**Additional Information:**

Additional information and material related to the proposed by-law will be available for public inspection on the Township website as of the date of the posting of this notice. Anyone wishing to obtain additional information with respect to this application is requested to direct enquiries to Samantha Deck, Planner, at 705-778-2308 or [planning@hbmtwp.ca](mailto:planning@hbmtwp.ca).

Dated at the Township of Havelock-Belmont-Methuen this 30<sup>th</sup> day of October 2024.

Mr. Robert Angione, M.P.A., B. Admin,  
Chief Administrative Officer  
Municipal Clerk  
Township of Havelock-Belmont-Methuen  
P.O. Box 10, 1 Ottawa Street East  
Havelock, ON K0L 1Z0  
(705) 778-2308  
(705) 778-5248 (fax)



 <p><b>HBM</b> TOWNSHIP OF HAVELOCK - BELMONT - METHUEN INC. 1998</p>	<h1>KEY MAP</h1>	<p><b>TOWNSHIP OF</b> <b>Havelock-Belmont-</b> <b>Methuen</b> <b>(Methuen Ward)</b></p>
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County of Peterborough

# GIS Viewer



### Legend

- Roads < 50,000
  - PRIV : Private; PRIV
  - City Arterial
  - City Collector and Local
  - City Owned Unclassified
  - Provincial
  - County
  - Township
  - Water Access Only
- Outside Roads < 50,000
  - Major Roads
  - Local Roads
- Peterborough Proposed Bypass
- First Nations
- Civic Address
- Parcel Fabric
- Parcel First Nations - Canada I
- Rivers
  - Intermittent
  - Permanent
- Clean Water Act Policies Apply
- Provincially Significant Wetlands
- Locally Significant Wetlands
- Non-evaluated Wetlands
- Lakes - Local Scale
- Municipal Boundary - Upper TI
- <all other values>
- COUNTY OF PETERBOROUGH

1: 3,616



183.7 0 91.86 183.7 Meters

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
**THIS MAP IS NOT TO BE USED FOR NAVIGATION**

### Notes



RECEIVED

Date Received: SEP 26 2024  
Fee Received: Payment to come  
Roll No.: 010-007-70300 via CC



**TOWNSHIP OF HAVELOCK-BELMONT-METHUEN  
APPLICATION FOR AMENDMENT  
TO ZONING BY-LAW 1995-42 (AS AMENDED)  
(UNDER SECTIONS 34, 36 AND 39 OF THE PLANNING ACT)**

**1. APPLICANT/AGENT INFORMATION:**

1.1 Name of Owner(s): 2845329 Ontario Inc. (Jason Prince)

1.2 Address: 97 FR 88, Havelock-Belmont-Methuen  
Postal Code K0L 1A0

Telephone Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_ Fax Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_

E-Mail Address: \_\_\_\_\_  
*(An owner's authorization is required in Section 9.1, if the applicant is not the owner.)*

1.3 Name of Applicant/Agent: Laura Stone (One Community Planning Inc.)  
*(if different from owner)*

Address: Box 50006, Peterborough RPO Lansdowne, K9J 8E1  
Postal Code \_\_\_\_\_

Telephone Number: (705) 313-5012 Fax Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_

E-Mail Address: laura@oneplanning.ca

1.3 Communication should be sent to: Owner  Applicant  or to the following:

Address: \_\_\_\_\_

Postal Code \_\_\_\_\_

Telephone Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_ Fax Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

**1.4 Mortgages, charges and other encumbrances (if known):**  
*(Provide the following information for any mortgages, charges or other encumbrances in respect of the subject land.)*

Name: N/A

Address: \_\_\_\_\_

\_\_\_\_\_ Postal Code \_\_\_\_\_

Telephone Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_ Fax Number: (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_

**2. LOCATION OF THE SUBJECT LAND: (Complete applicable lines)**

**2.1** Geographic Municipality/Township or Village: Methuen

Concession Number(s) 11 Lot Number(s): 30

Registered Plan Number: \_\_\_\_\_ Lot(s)/Block(s): \_\_\_\_\_

Reference Plan Number: \_\_\_\_\_ Part Number(s): \_\_\_\_\_

Road/Street Number and Name: 153101000770300

Attach survey plan, if available.

**2.2** Are there any easements or restrictive covenants affecting the subject land? Yes  No

If Yes, describe the easement or covenant and its effect:  
\_\_\_\_\_  
\_\_\_\_\_

**3. PURPOSE OF APPLICATION:**

**3.1 PROPOSED ZONING:**

Change Schedule A2 from RU/EP to EP Zone(s)

Textual Change to Section(s) Rezoned from RU/EP to EP and recognize existing garage of By-Law

**3.2 REASON: (Purpose of the proposed amendment)**

As a condition of consent, the property is to be rezoned  
to EP with an exception to permit existing garage.

**4. DESCRIPTION OF SUBJECT LAND:**

**4.1 DESCRIPTION OF LAND SUBJECT TO REZONING:**

Frontage: 446m m      Depth: irregular m  
 Area: 144,220.00 sq.m      14.42 ha

Existing Use(s) of the subject land: primarily vacant, an accessory  
structure is existing on the lot (garage)

Length of Time the existing uses of the subject land have continued:

**4.2** Date subject land was acquired by current owner: 2022

**4.3** EXISTING BUILDINGS OR STRUCTURES: Please identify each existing building on the sketch and provide information for each building. (If more than one building, attach a separate sheet to this application.)

<u>Building 1</u>	
Type <u>Garage</u>	Date Constructed <u>Unknown</u>
Existing Use <u>Garage (accessory)</u>	Date Existing Use Commenced <u>Unknown</u>
Ground Floor Area* <u>156 sq m</u>	Gross Floor Area ** <u>156 sq m</u>
Front lot line setback <u>10M</u>	Rear lot line setback <u>+1000M</u>
Interior side lot line setback <u>60+m</u>	Exterior side lot line setback <u>+1000m</u>
Building Height <u>One storey</u>	Dimensions <u>~11m x 14m</u>
No. of Units <u>NA</u>	Gross Floor Area Per Unit <u>NA</u>
Loading Spaces (commercial/industrial uses) <u>NA</u>	Parking Spaces <u>NA</u>

**4.4 NATURE OF PROPOSED DEVELOPMENT:** Please provide the information for each proposed building (If more than one building, attach a separate sheet to this application. If a proposed plan showing location of proposed buildings is available, please attach.)

Proposed Use(s) of the subject land: Rezoning to EP for conservation  
 purposes. The existing garage is to remain.

\_\_\_\_\_

\_\_\_\_\_

Building 1

Type \_\_\_\_\_

Ground Floor Area\* \_\_\_\_\_ Gross Floor Area \*\* \_\_\_\_\_

Front lot line setback \_\_\_\_\_ Rear lot line setback \_\_\_\_\_

Interior side lot line setback \_\_\_\_\_ Exterior side lot line setback \_\_\_\_\_

Building Height \_\_\_\_\_ Dimensions \_\_\_\_\_

No. of Units \_\_\_\_\_ Gross Floor Area Per Unit \_\_\_\_\_

Loading Spaces \_\_\_\_\_  
 (commercial/industrial uses) \_\_\_\_\_ Parking Spaces \_\_\_\_\_

- \* Ground Floor Area means the area that the building occupies on the ground.
- \*\* Gross Floor Area means the sum of the area of each floor of the building counting each floor at or above ground level (not basement or cellar) based on the exterior dimensions of the building.

**5. SERVICES:**

**5.1 ACCESS** is/will be provided to the subject land by: *(check appropriate space)*

		<u>Maintenance</u>	
Provincial Highway	<input type="checkbox"/>	Public	<input type="checkbox"/>
Municipal Road	<input type="checkbox"/>	Private	<input type="checkbox"/>
Private Road	<input checked="" type="checkbox"/>	Year Round	<input type="checkbox"/>
Right of Way	<input type="checkbox"/>	Seasonal	<input type="checkbox"/>
Unopened Road Allowance	<input type="checkbox"/>	Unmaintained	<input checked="" type="checkbox"/>
Other Public Road (specify) _____	<input type="checkbox"/>		
Water Access	<input type="checkbox"/>		

**WATER ACCESS – where access to the subject land is only by water:**

Docking Facilities (specify) \_\_\_\_\_ Parking Facilities (specify) \_\_\_\_\_  
 Distance from Subject Land \_\_\_\_\_ Distance from Subject Lands \_\_\_\_\_  
 Distance from Nearest Public Road \_\_\_\_\_

**5.2 WATER SUPPLY is provided to the subject land by: (check appropriate space)**

- Publicly-owned/operated piped water system
- Privately-owned/operated individual well
- Privately-owned/operated communal well
- Lake or other water body
- Other means (specify) N/A

**5.3 SEWAGE DISPOSAL is provided to the subject land by: (check appropriate space)**

- Publicly-owned/operated sanitary sewage system
- Private individual septic tank
- Public-owned/operated communal sewage system
- Private communal sewage system
- Privy
- Other means (specify) N/A

*(A certificate of approval for the septic system from the District Health Unit submitted with this application will facilitate the review.)*

**5.4 STORM DRAINAGE is provided to the subject land by: (check appropriate space)**

- Sewers
- Ditches
- Swales
- Other means (specify) Natural run off

**5.5 OTHER: (check if the service is available)**

- |             |                          |                    |                          |
|-------------|--------------------------|--------------------|--------------------------|
| Electricity | <input type="checkbox"/> | School Bussing     | <input type="checkbox"/> |
| Telephone   | <input type="checkbox"/> | Garbage Collection | <input type="checkbox"/> |
| Recycling   | <input type="checkbox"/> |                    |                          |



**6. HISTORY OF THE SUBJECT LAND:**

**6.1** If this application is a re-submission of a previous rezoning application, describe how it has been changed from the original application.

\_\_\_\_\_

**6.2** Has there ever been an industrial or commercial use on the subject land or adjacent land? Yes  No  Unknown

If YES, please specify the use. \_\_\_\_\_

**6.3** Has the grading of the subject land ever been changed by adding earth or other material? Yes  No  Unknown

**6.4** Has a gas station ever been located on the subject property or adjacent land? Yes  No  Unknown

**6.5** Has there been gasoline or other fuel stored on the subject land or adjacent land? Yes  No  Unknown

**6.6** Is there reason to believe the subject land may have been contaminated by former uses on the site or adjacent site? Yes  No  Unknown

**7. MINIMUM DISTANCE SEPARATION**

**7.1** For applications that are within 500 metres of an agricultural barn the following additional information must also be provided. Applicants should discuss this application with or obtain information from the owner/operator of the agricultural operation.

Distance from proposed lot or use to nearest barn(s): NA

Housing capacity of barn(s): \_\_\_\_\_

Type of livestock kept on farm containing nearest barn: \_\_\_\_\_

Number of tillable hectares on farm containing nearest barn: \_\_\_\_\_

**7.2 NOTICE TO APPLICANTS**

Should the location of the property which is the subject of this application be within the Wellhead Protection Area for the Havelock Municipal Well System then you are required to include a Section 59 Notice; in order to have your application deemed 'complete' in accordance with the Planning Act.

Please contact: Terry Cox, Otonabee Region Conservation Authority

Email: [tcx@otonabeeconservation.com](mailto:tcx@otonabeeconservation.com)

Tel: 705-745-5791 Ext. 219

8. AFFIDAVIT OR SWORN DECLARATION

I, Laura Stone of the Township of Asphodel-Norwood in the County of Peterborough make oath and say (or solemnly declare) that the information contained in this application is true and that the information contained in the documents that accompany this application in respect of the application is true.

Sworn (or declared) before me at the Township of HBM, in the County of Ptbo this 26 day of Sept, 2021.

Louis Calton  
Notary Public for Ontario,  
Commissioner of Oaths  
for The Corporation of the  
Township of Havelock-Belmont-Methuen.  
Expires July 31, 2027.

[Signature]  
Applicant  
[Signature]  
Applicant

9. AUTHORIZATIONS

9.1 CONSENT OF THE OWNER(S) FOR APPLICANT TO MAKE APPLICATION

If the applicant is not the sole owner of the land that is the subject of this application, the written authorization of the owner(s), that the applicant is authorized to make the application, must be included or the authorization set out below must be completed by the owner(s).

I/WE, \_\_\_\_\_ am/are the owner(s) of the land that is the subject of this application and I/We authorize \_\_\_\_\_ to make this application on my/our behalf and to provide any of my/our personal information that will be included in this application or collected during the processing of the application.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Owner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Owner

*see attached*





**Letter of Authorization**  
**Zoning By-law Amendment Application for Severed Lot from 97 FR 88**

I/we 2845329 ONTARIO INC (Jason Prince), have reviewed and hereby accept the fee proposal dated March 25, 2024, as prepared by Laura Stone, Planner and hereby authorize One Community Planning Inc. to apply for a Zoning By-law Amendment Application with the Township of Havelock-Belmont-Methuen for the above-noted property on my/our behalf.

Dated this 26 day of March, 2024.

Signed

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

Name

2845329 ONTARIO INC (Jason Prince)

  
\_\_\_\_\_

- the location of all land previously severed from the parcel originally acquired by the current owner of the subject land;
- the approximate location of all natural and artificial features on the subject land and adjacent lands that in the opinion of the applicant may affect the application, such as buildings, abandoned or active railways, roads, watercourses, drainage ditches, river or stream banks, wetlands, wooded areas, wells and septic tanks and tile beds;
- the existing use(s) on adjacent lands;
- the location, width and name of any roads within or abutting the subject land, indicating whether it is an unopened road allowance, a public travelled road, a private road or a right-of-way;
- if access to the subject land is by water only, the location of the parking and boat docking facilities to be used;
- the location and nature of any easement affecting the subject land;
- all present entrances onto the subject property;
- if there are agricultural buildings capable of housing animals within 500 metres of the proposed lot, then the location of these buildings must be shown on the sketch.

Measurements on the sketch **SHALL** correspond to those identified in the application. Photocopies of your survey, if you have one, should be used. If no survey is available, a detailed hand-drawn sketch to scale is acceptable.

**In some cases, it may be appropriate to obtain professional services to determine the accuracy of your property dimensions.**

**11. ACKNOWLEDGEMENT**

Any complete submitted application must be accompanied by a deposited fee of \$1,500.00 in cash or cheque made payable to the Treasurer of the Township of Havelock-Belmont-Methuen.

I/We enclose herewith the requisite deposit fee of \$1,500.00 and by virtue of signature(s) hereon as the applicant agree to pay any further costs incurred by the Township in the processing of the application.

09/25/24

Date

Date

Authentisign  
*Jason Prince*

Signature of Owner

Signature of Owner



**FOR OFFICE USE ONLY**

1. Is application deemed complete? Yes  No

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

2. What is the current Official Plan designation(s) of the subject lands?  
 \_\_\_\_\_  
 \_\_\_\_\_

3. Does application conform to both the County and Township Official Plan?  
 Yes  No

If no, describe nature of non-conformity.  
 \_\_\_\_\_  
 \_\_\_\_\_

4. Is the application consistent with both the Provincial Policy Statement and Growth Plan for the Greater Golden Horseshoe?  
 Yes  No

5. Are any of the following uses or features on the subject land or within 500 metres (1,640 ft.) of the subject land? *(check the appropriate boxes, if any apply)*

USE OR FEATURE	On Subject Land	or	Within 500 m
Livestock Facility, Stockyard or Manure Storage Facility	<input type="checkbox"/>		<input type="checkbox"/>
Active or Closed Landfill Site	<input type="checkbox"/>		<input type="checkbox"/>
Sewage Treatment or Waste Stabilization Plant	<input type="checkbox"/>		<input type="checkbox"/>
Provincially Significant Wetland	<input type="checkbox"/>		<input type="checkbox"/>
Floodplain	<input type="checkbox"/>		<input type="checkbox"/>
Active Airport	<input type="checkbox"/>		<input type="checkbox"/>
Commercial Use <i>(specify)</i> _____	<input type="checkbox"/>		<input type="checkbox"/>
Industrial Use _____	<input type="checkbox"/>		<input type="checkbox"/>
Municipal Use <i>(specify)</i> _____	<input type="checkbox"/>		<input type="checkbox"/>

6. Is the proposed Zoning By-law Amendment compatible with adjacent/surrounding land uses?

Yes  No

If no, describe nature of incompatibility.

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

7. Is the site considered suitable for the intended use (physical characteristics such as topography, drainage soils, wet areas, access)?

Yes  No

If no describe nature of issues.

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

8. Whether the subject lands are the subject of any other application under the *Planning Act*:

	Yes	No
Plan of Subdivision	<input type="checkbox"/>	<input type="checkbox"/>
Consent	<input type="checkbox"/>	<input type="checkbox"/>
Official Plan Amendment	<input type="checkbox"/>	<input type="checkbox"/>
Minister's Zoning Order	<input type="checkbox"/>	<input type="checkbox"/>

July 1, 2023

x. 284 0529 Ont Inc - Det Garage

7-703000



County of Peterborough

### Rezoning Subject Land



**Legend**

- Roads < 50,000
  - PRIV - Private, PRIV
  - City Arterial
  - City Collector and Local
  - City Owned Unclassified
  - Provincial
  - County
  - Township
  - Water Access Only
- Outside Roads < 50,000
  - Major Roads
  - Local Roads
- First Nations
- Civic Address
- Parcel Fabric
- Parcel First Nations - Canada I
- Clean Water Act Policies Apply
- Provincially Significant Wetlands
- Locally Significant Wetlands
- Non-evaluated Wetlands
- Lakes - Local Scale
- Municipal Boundary - Upper Ti
  - <all other values>
  - COUNTY OF PETERBOROUGH

**Notes**

458.6 0 229.31 458.6 Meters

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
**THIS MAP IS NOT TO BE USED FOR NAVIGATION**

# Receipt

Township Of Havelock-Belmont-Methuen  
1 Ottawa St E P.O. Box 10  
Havelock, ON K0L 1Z0

Receipt Number: 0307690  
Receipt Date: 2024-09-30  
Receipt Amount: 1,500.00

BLAKE STEELE

Description	Item Amount	Qty	Amount
-------------	-------------	-----	--------

**General**

ZONING FEE	1,500.00	1.00000	1,500.00
	Receipt Amount:		<u>1,500.00</u>
	VISA PAYMENT		1,500.00

## Official Receipt

Per \_\_\_\_\_

Tax Reg.:

*Note: This receipt is not valid until the payment has cleared.*

(Prince)

**THE CORPORATION of the  
TOWNSHIP OF HAVELOCK-BELMONT-METHUEN  
P.O. Box 10, 1 Ottawa Street East  
Havelock, ON K0L 1Z0**

**FORM 1  
THE PLANNING ACT, R.S.O., 1990, as amended**

**NOTICE OF PASSING  
OF A ZONING BY-LAW  
TOWNSHIP OF HAVELOCK-BELMONT-METHUEN**

**TAKE NOTICE** that the Council of the Corporation of the Township of Havelock-Belmont-Methuen passed By-law No. 2024-079 on the 19<sup>th</sup> day of November 2024 under Section 34 of the Planning Act, R.S.O., 1990.

**AND TAKE NOTICE** that the last date for filing a notice of appeal is the 9<sup>th</sup> day of December, 2024. The notice of appeal must be filed with the Clerk of the Township of Havelock-Belmont-Methuen, must set out the reasons for the appeal, and must be accompanied by the fee required by the Tribunal. For more information regarding fees, please visit the Ontario Land Tribunal website ([olt.gov.on.ca](http://olt.gov.on.ca)).

Prior to the passing of the By-law, Council received no oral and/or written submissions which resulted in revisions to the By-law.

No person or public body shall be added as a party to the hearing of the appeal unless, before the by-law was passed, the person or public body made oral submissions at a public meeting or written submissions to the council or, in the opinion of the Tribunal, there are reasonable grounds to add the person or public body as a party.

The land which is subject of this Zoning By-law Amendment Application is currently subject to Consent Application B-169-22 under The *Planning Act*.

An explanation of the purpose and effect of the By-law, describing the lands to which the By-law applies, and a Key Map showing the location of the lands to which the By-law applies are attached. The complete By-law is available for inspection in the municipal office during regular office hours.

Dated at the Township of Havelock-Belmont-Methuen this 19<sup>th</sup> day of November 2024.

---

Mr. Robert Angione, M.P.A., B.Admin  
Municipal Clerk  
Township of Havelock-Belmont-Methuen  
P.O. Box 10, 1 Ottawa Street East  
Havelock, ON K0L 1Z0  
(705) 778-2308  
(705) 778-5248 (fax)



## EXPLANATORY NOTE

1. By-law No. 2024-079 has the following purpose and effect.

The Township of Havelock-Belmont-Methuen is in receipt of an application for a Zoning By-law Amendment to change the zoning of certain lands being located in Part Lot 30, Concession 11, in the Methuen Ward. Assessment Roll No. 1531-010-007-70300.

The subject lands are currently zoned "Rural (RU) Zone".

The application proposes to rezone the subject lands to 'Environmental Protection (EP) Zone' in order to protect the natural features on the subject lands from future development

2. A key map showing the location of the lands to which By-law No. 2024-079 applies is provided below.



(Prince)

**THE CORPORATION OF THE  
TOWNSHIP OF HAVELOCK-BELMONT-METHUEN**

**BY-LAW NO. 2024-079**

**BEING A BY-LAW TO AMEND BY-LAW NO. 1995-42, AS AMENDED, OTHERWISE KNOWN AS THE "THE TOWNSHIP OF HAVELOCK-BELMONT-METHUEN COMPREHENSIVE ZONING BY-LAW".**

**WHEREAS** the Corporation of the Township of Havelock-Belmont-Methuen is in receipt of an application to amend By-law No. 1995-42, as amended.

**AND WHEREAS** the Council of the Corporation of the Township of Havelock-Belmont-Methuen reviewed the rezoning application and now deems it advisable to further amend By-law No. 1995-42, as amended.

**NOW THEREFORE**, the Council of the Corporation of the Township of Havelock-Belmont-Methuen hereby enacts as follows:

- "1. That Schedule 'A2' of By-law No. 1995-42, as amended, is hereby further amended by changing the zone category of certain lands located in Part Lot 30, Concession 11, in the Methuen Ward in the Township of Havelock-Belmont-Methuen from 'Rural (RU) Zone' to 'Environmental Protection (EP) Zone' as illustrated on Schedule 'A' attached hereto and forming part of this by-law.

If no notice of objection is filed with the Municipal Clerk within the time provided, this By-law shall become effective on the date of passing.

If a notice of objection is filed with the Municipal Clerk, this By-law shall become effective on the date of passing hereof subject to the disposition of any appeals.

Read a **FIRST**, **SECOND**, and **THIRD TIME** and **FINALLY** passed this 19<sup>th</sup> day of November 2024 and given By-law No. 2024-079.

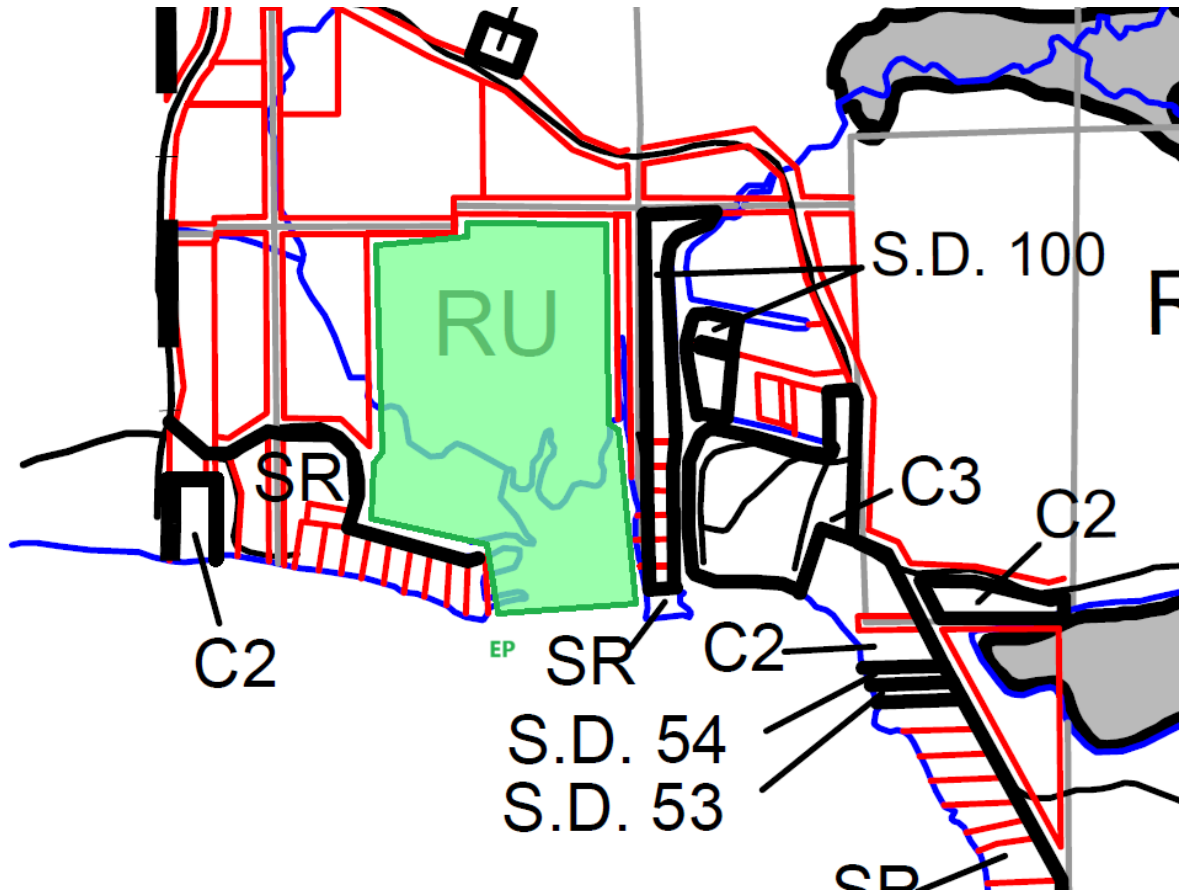
\_\_\_\_\_  
**MAYOR**

\_\_\_\_\_  
**MUNICIPAL CLERK**

\*\*\*\*\*

I, Robert Angione, Clerk of the Corporation of the Township of Havelock-Belmont-Methuen, do hereby certify that the foregoing is a true copy of By-law No. 2024-079 passed by Council of the said Corporation on the 19<sup>th</sup> day of November 2024.

\_\_\_\_\_  
**MUNICIPAL CLERK**



THIS IS SCHEDULE "A" TO BY-LAW  
 NO. \_\_\_\_\_ PASSED THIS DAY  
 OF \_\_\_\_\_, 2024.

SIGNATURES OF SIGNED  
 OFFICERS:

\_\_\_\_\_ MAYOR

\_\_\_\_\_ CLERK

TOWNSHIP OF  
 Havelock-Belmont-Methuen  
 (Methuen Ward)

# County of Peterborough Land Division

470 Water Street, Peterborough, Ontario K9H 3M3

email: AHamilton@ptbocounty.ca

T-705-743-3718 or 800-710-9586, Ext. 2406 Fax: 705-876-1730



## Application for Consent

<p><b>Note to Applicant:</b> All questions must be answered or application may be returned. <b>Application Fee:</b> \$1150.00 must accompany fully completed application and 1 copy. It is strongly advised the applicant complete a Preliminary Severance Review with the County of Peterborough Planning Department. Have you done so: Y/N <u>Yes</u> Date: <u>October 4, 2021</u></p> <p>If yes, were there any Studies required? Y/N <u>Y</u> (i.e. Traffic Study, Archaeological Study and Environmental Impact Analysis (EIA)). Have you attached 1 copy of each to this application? Y/N <u>Y</u> (email a copy as also)</p>	<p>Office Use:</p> <p><b>File No. B- 169-22</b></p> <p>Date Received:</p> <p><b>RECEIVED</b></p> <p><b>NOV 24 2022</b></p>
---	--

**LAND DIVISION**

<b>1. Owner Information</b> Jason Howard Prince - 2845329 Ont Inc
Name(s): _____ Address: _____
P.O. Box: _____ City/Province: _____
Phone: (H) _____ (B) _____ Postal Code: _____
E-mail: _____
Do you wish to receive all communications? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>2. Authorized Agent/Solicitor Information</b>
Name(s): <u>Laura Stone</u> Address: _____
P.O. Box: _____ City/Province: <u>Ontario</u>
Phone: (H) _____ (B) _____ Postal Code: _____
E-mail: <u>laura@oneplanning.ca</u>
Do you wish to receive all communications? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>3. Property Description</b>
Ward: <u>Methuen</u> Township: <u>Havelock-Belmont-Methuen</u> Lot: <u>30</u> Concession: <u>11</u>
Municipal (911) Address: <u>97 FR 88</u> Tax Roll #: <u>1531-010-007-70202/70300</u>
Registered Plan #: _____ Block/Lot: _____

<b>4. Type and Purpose of Proposed Transaction</b>
Transfer: <input checked="" type="checkbox"/> Creation of a New Lot <input type="checkbox"/> Addition to a Lot (moving/adjusting lot line)
Other: <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Easement <input type="checkbox"/> Correction of Title <input type="checkbox"/> Charge <input type="checkbox"/> Lease

<b>5. Transferee</b>
If known, the name of the person(s), to whom land or interest in land is intended to be transferred, charged or leased: <u>John F. Sterling and George Blake Steels</u> relationship to owner: _____
Address: _____
Phone: (H) _____ (B) _____ E-mail: _____



**6. Description of Severed Lot** (provide both metric & imperial measurements and include all dimensions on sketch)

Frontage (metres): 165m      Depth (metres): various      Area (m<sup>2</sup> or hectares): 14.5 ha  
 Frontage (feet): 541 feet      Depth (feet): various      Area (ft<sup>2</sup> or acres): 35.8 acres

**Existing Use:** (i.e. residential, commercial, recreational) vacant      **Proposed Use:** (i.e. residential, commercial, recreational) vacant/conservation

Name Existing Buildings & Structures, including well & septic (and show on sketch with setbacks) garage      Name Proposed Buildings & Structures, including well & septic (and show on sketch with setbacks) garage

**Type of Access:**  
 Municipal maintained road       County Road       Provincial Highway  
 Seasonally maintained municipal road       Private road or right-of-way       Other \_\_\_\_\_  
 Water       Parking/docking facilities – distance from these to the nearest road : \_\_\_\_\_

**Water Supply:**  
 Publicly owned/operated piped water system  
 Privately owned/operated individual well  
 Privately owned/operated communal well  
 Lake or other water body  
 Other \_\_\_\_\_

**Sewage Disposal: (if existing, show on sketch)**  
 Publicly owned/operated sanitary sewage system  
 Privately owned/operated individual septic tank  
 Privately owned/operated communal septic tank  
 Privy  
 Other \_\_\_\_\_

If a septic system exists on the severed parcel, when was it installed and inspected? NA

How far is it located from the lot line(s) & well? \_\_\_\_\_ (ft. or meters)

Have you shown the well & septic locations and setbacks on the sketch? \_\_\_\_\_

If the severed lot is an "Addition" or "Lot Line Adjustment", please provide the following information.  
 If not, please skip this section and move onto Section 8:

**7. Description of Lot Being Added To** (provide both metric & imperial measurements and include all dimensions on sketch)

Frontage (metres): \_\_\_\_\_      Depth (metres): \_\_\_\_\_      Area (m<sup>2</sup> or hectares): \_\_\_\_\_  
 Frontage (feet): \_\_\_\_\_      Depth (feet): \_\_\_\_\_      Area (ft<sup>2</sup> or acres): \_\_\_\_\_

**Existing Use:** (i.e. residential, commercial, recreational) \_\_\_\_\_      **Proposed Use:** (i.e. residential, commercial, recreational) \_\_\_\_\_

Name Existing Buildings & Structures, including wells & septic (and show on sketch with setbacks) \_\_\_\_\_      Name Proposed Buildings & Structures, including wells & septic (and show on sketch with setbacks) \_\_\_\_\_

**Official Plan Designation:** \_\_\_\_\_      **Current Zoning:** \_\_\_\_\_

**Type of Access:**  
 Municipal maintained road       County Road       Provincial Highway  
 Seasonally maintained municipal road       Private road or right-of-way       Water       Other \_\_\_\_\_

**Roll # of Lot Being Added to:** \_\_\_\_\_



**8. Description of Retained Lot** (provide both metric & imperial measurements and include all dimensions on sketch)

Frontage (metres): 24.3m      Depth (metres): various      Area (m<sup>2</sup> or hectares): 0.13ha  
 Frontage (feet): 80 feet      Depth (feet): various      Area (ft<sup>2</sup> or acres): 0.32 acres

**Existing Use:** (i.e. residential, commercial, recreational) recreational      **Proposed Use:** (i.e. residential, commercial, recreational) recreational

Name Existing Buildings & Structures, including wells & septic (and show on sketch with setbacks) cottage and garage      Name Proposed Buildings & Structures, including wells & septic (and show on sketch with setbacks) cottage and garage - same

**Type of Access:**

Municipal maintained road       County Road       Provincial Highway  
 Seasonally maintained municipal road       Private road or right-of-way       Other \_\_\_\_\_  
 Water       Parking/docking facilities – distance from these to the nearest road : \_\_\_\_\_

**Water Supply:**      **Sewage Disposal: (if existing, show on sketch)**

Publicly owned/operated piped water system       Publicly owned/operated sanitary sewage system  
 Privately owned/operated individual well       Privately owned/operated individual septic tank  
 Privately owned/operated communal well       Privately owned/operated communal septic tank  
 Lake or other water body       Privy  
 Other \_\_\_\_\_       Other \_\_\_\_\_

If a septic system exists on the retained parcel, when was it installed and inspected? to be replaced

How far is it located from the lot line(s) & well? \_\_\_\_\_ (ft. or meters)

Have you shown the well & septic locations and setbacks on the sketch? \_\_\_\_\_

**9. Local Planning Documents**

What is the current Township **Official Plan** designation on this property? Rural/Shoreline  
 What is the current **County Official Plan** designation on this property? Rural/Shoreline  
 (this information is available from the Preliminary Severance Review and/or from the Township)

Explain how the application Conforms with the current Official Plans: See PJR

What is the current zoning on this property, as found in the Township **Zoning By-Law**? RU and SR  
 (this information is available from the Preliminary Severance Review and/or from the Township)

**10. Provincial Policy**

Is the application consistent with the Provincial Policy Statements?  Yes  No  
 (this information is available from the Preliminary Severance Review and/or from the County Planning Dept.)  
 Explain how the application is consistent: See PJR

Is the subject property within an area of land designated under any provincial plan(s)?  Yes  No  
 (Oak Ridges Moraine Conservation Plan applies to portions of Cavan Ward only;  
**Growth Plan applies to the entire County of Peterborough so answer should be yes**)

If yes, explain how the application conforms or does not conflict with provincial plan(s)? \_\_\_\_\_  
See PJR

**11. Restrictions of Subject Land**

Are there any **easements** or **restrictive covenants** (i.e. hydro, Bell) affecting the subject land?  Yes  No

If yes, describe the easement or covenant and its effect: \_\_\_\_\_

**12. Previous Planning Act Applications**

Is the subject land now, or has it been, the subject of an application for a Plan of Subdivision under Section 51 or a consent under Section 53 of the *Planning Act*?  Yes  No

Has the owner of the subject land severed any land from the original acquired parcel?  Yes  No

If yes, indicate this information on the required sketch and provide the following (if known):  
 File No. B- \_\_\_\_\_, Transferee: \_\_\_\_\_ Date of Transfer: \_\_\_\_\_  
 File No. B- \_\_\_\_\_, Transferee: \_\_\_\_\_ Date of Transfer: \_\_\_\_\_

Is this land currently the subject of any other application under the Planning Act, such as an application for Official Plan Amendment, Zoning By-Law Amendment, Minor Variance, Minister's Order, or Power of Sale?  Yes  No

If yes, please provide the following:  
 Type: \_\_\_\_\_ File No. \_\_\_\_\_ Status: \_\_\_\_\_

**13. Minimum Distance Separation (MDS)**

Are there any **barns** within 750-1,500 metres (2,460-4,921 feet) of the subject property which currently house, or are capable of housing, livestock?  Yes  No

Are there any **anaerobic digesters** within 750-1,500 metres (2,460-4,921 feet) of the subject property?  Yes  No  
**If yes, please complete an "MDS Data Sheet" for each barn.**

**14. Agricultural Severances (for lands within the agricultural designation only)**

N/A

Is the severance to dispose of a residence surplus to a farming operation (must have 2 houses)?  Yes  No  
 Is this severance to create a new farm parcel approximately 40 hectares (100 acres) in size?  Yes  No  
 Is this severance for a commercial or industrial "agriculture-related" use?  Yes  No

**15. Adjacent Lands Surrounding the Landholding**

Please state the names of the owners, the use of the land and buildings existing on the lands surrounding the applicants' entire landholding. **This information should also be on the sketch**, and can be obtained from the Township or Land Division Office. If more room is needed, please add extra Schedule page.

Direction	Name of Owner (only when known to the applicant)	Use of Land – (must be filled in) (i.e. fam, residential etc.)	Buildings (i.e. house, barn etc.) (must be filled in)
North	HBM	unopened road allowance	none
South		Jack Lake	none
East		Jack Lake	none
West	Unknown	vacant/wetland	none

**16. Driving Directions**

Please describe in detail driving directions to the subject property: Hwy 28 to Burleigh Street, right onto Jack Lake Road, left at the end of Jack Lake Road onto FR 88.

Hwy 28 to Burleigh Street, right onto Jack Lake Road, left at the end of Jack Lake Road onto FR 88.

Hwy 28 to Burleigh Street, right onto Jack Lake Road, left at the end of Jack Lake Road onto FR 88.

Hwy 28 to Burleigh Street, right onto Jack Lake Road, left at the end of Jack Lake Road onto FR 88.

Signatures Page

If the applicant is not the owner of the subject land, a written authorization of the owner that the applicant is authorized to act as agent and make the application on his/her behalf is required (original please).

If the applicant is a Corporation acting without agent or solicitor, the application must be signed by an Officer of the Corporation with a declaration indicating that the said Officer has the authority to bind the Corporation and the Corporation's Seal (if any) must be affixed.

Signature(S)

Dated at the (City, Township) of Peterborough this 24 day of November, 2022.



Signature of owner(s) or authorized solicitor/agent

Signature of owner(s) or authorized solicitor/agent

Declaration

This section must be signed before a Commissioner for Taking Affidavits or a designated Official of the Municipality (i.e. Reeve, Clerk, Secretary-Treasurer of the Land Division Committee, lawyer, etc.)

I/we, Laura Stone of the Township, City, etc. of [redacted] in the County/Region/Municipality, etc. of [redacted], solemnly declare that all the statements contained in this application are true, and I make this solemn declaration as if made under oath and by virtue of the Canada Evidence Act.

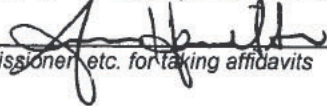
Declared before me at the City of Peterborough in the County of Peterborough



Owner or authorized Agent

Owner or authorized Agent

this 24 day of November, 2022.



Commissioner, etc. for taking affidavits

Ann Frances Hamilton, a Commissioner, etc., Province of Ontario, for the Corporation of the County of Peterborough. Expires December 29, 2023.

Personal information contained on this form is legally authorized under Sec.53 of the Planning Act and O.Reg.197/96 for the purpose of processing your planning application and will become part of a public record.

Pursuant to Sec.1.0.1 of the Planning Act, and in accordance with Sec.32(e) of the Municipal Freedom of Information and Protection of Privacy Act the County of Peterborough may make all planning applications and supporting material available to the public in hard copy or electronically. If you have any questions about the collection, use or disclosure of this information by the County of Peterborough, please contact the CAO or Clerk, County of Peterborough, 470 Water Street, Peterborough, Ontario K9H 3M3

An "original" signed copy of the application and sketch must be submitted, together with 6 copies of both the application and sketch, each copy stapled individually with a sketch. All copies of the sketch or survey must be coloured – red for severed lots, green for retained. Copies may be double-sided. Please submit application with a cheque for \$1150.00 payable to the "County of Peterborough".



# Authorization

I/we Jason Howard Prince / 2845329 ONTARIO INC., being the owners of the property known municipally as

Fire Route 88, Township of Havelock-Belmont-Methuen,

hereby authorize Laura Stone, Planner and Kevin M. Duguay, MCIP, RPP to serve as my/our Agent for the purpose of the Consent Application Application filed with the County of Peterborough.

## Proposed Lot Severance

**Roll No. 1531-010-007-70300**

**Township of Havelock-Belmont-Methuen KMD File 2021-162**

Dated this 9th day of December, 2021.

Signed

Name

Jason Howard Prince

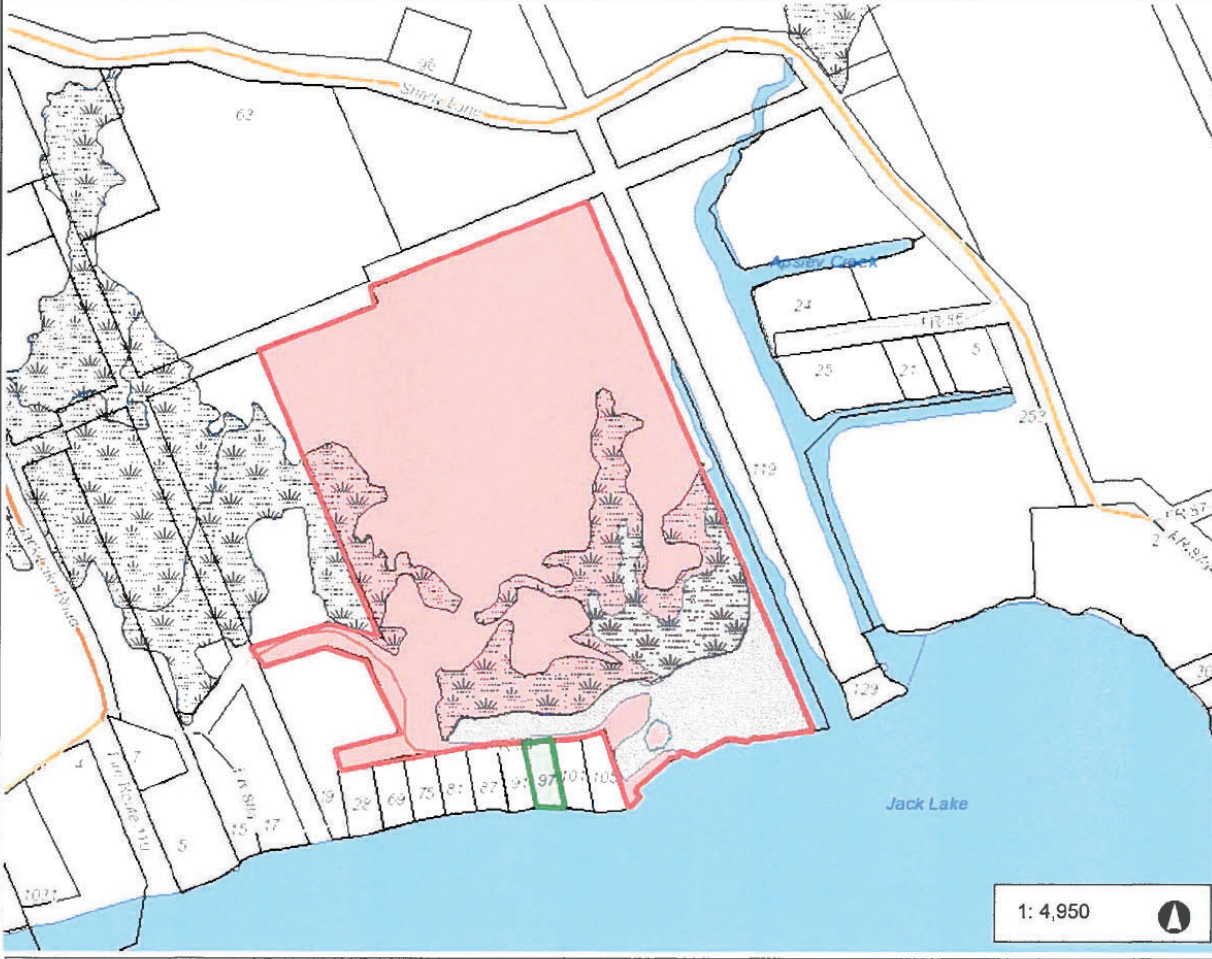
Jason Howard Prince  
Title: President 2845329 ONTARIO INC.





County of Peterborough

# County of Peterborough



### Legend

#### Roads < 50,000

- PRIV : Private; PRIV
- City Arterial
- City Collector and Local
- City Owned Unclassified
- Provincial
- County
- Township
- Water Access Only

#### Outside Roads < 50,000

- Major Roads
- Local Roads

#### First Nations

- Civic Address
- Parcel Fabric
- Parcel First Nations - Canada 1
- Provincially Significant Wetlands
- Locally Significant Wetlands
- Non-evaluated Wetlands
- Lakes - Local Scale
- Municipal Boundary - Upper Ti
- <all other values>
- COUNTY OF PETERBOROUGH

1: 4,950



251.5 0 125.73 251.5 Meters

North\_American\_1983\_CSRS\_UTM\_Zone\_17N  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
**THIS MAP IS NOT TO BE USED FOR NAVIGATION**

### Notes





Kevin M. Duguay  
Community  
Planning and  
Consulting Inc.



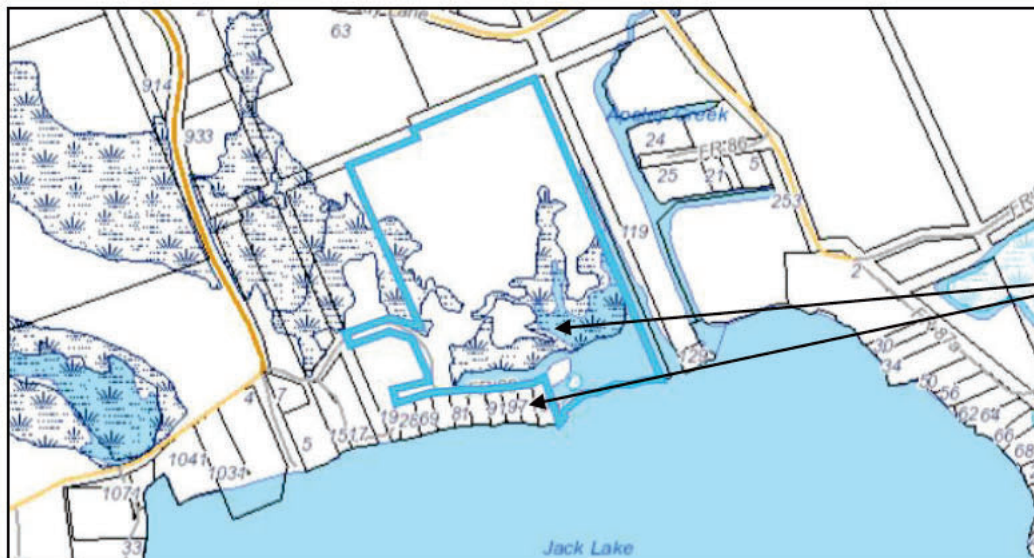
## **Planning Justification Report (November 2022) Consent (Severance) Application Roll No. 1531-010-007-70300/97 Fire Route 88, Township of Havelock-Belmont-Methuen, County of Peterborough**

### **Introduction**

The Planning Justification Report has been prepared in support of a Consent (Severance) Application filed with the County of Peterborough pertaining to the property known as 97 Fire Route 88 with frontage onto Jack Lake in the Township of Havelock-Belmont-Methuen. The proposed Consent (Severance) Application serves to retain the developed waterfront parcel (97 Fire Route 88) and sever the large mostly vacant rural parcel (Roll No. 1531-010-007-70300). The properties inadvertently merged thus this application can be considered technical in nature.

It is important to note that the large rural property (severed) contains an existing garage but otherwise is not appropriate for development. A Zoning By-law Amendment Application will be required to be rezone this portion of the property to EP – Environmental Protection while recognizing the existing garage (By-law Exception). Further discussion regarding this can be found in the Growth Plan section of the Planning Justification Report.

### **The Property**

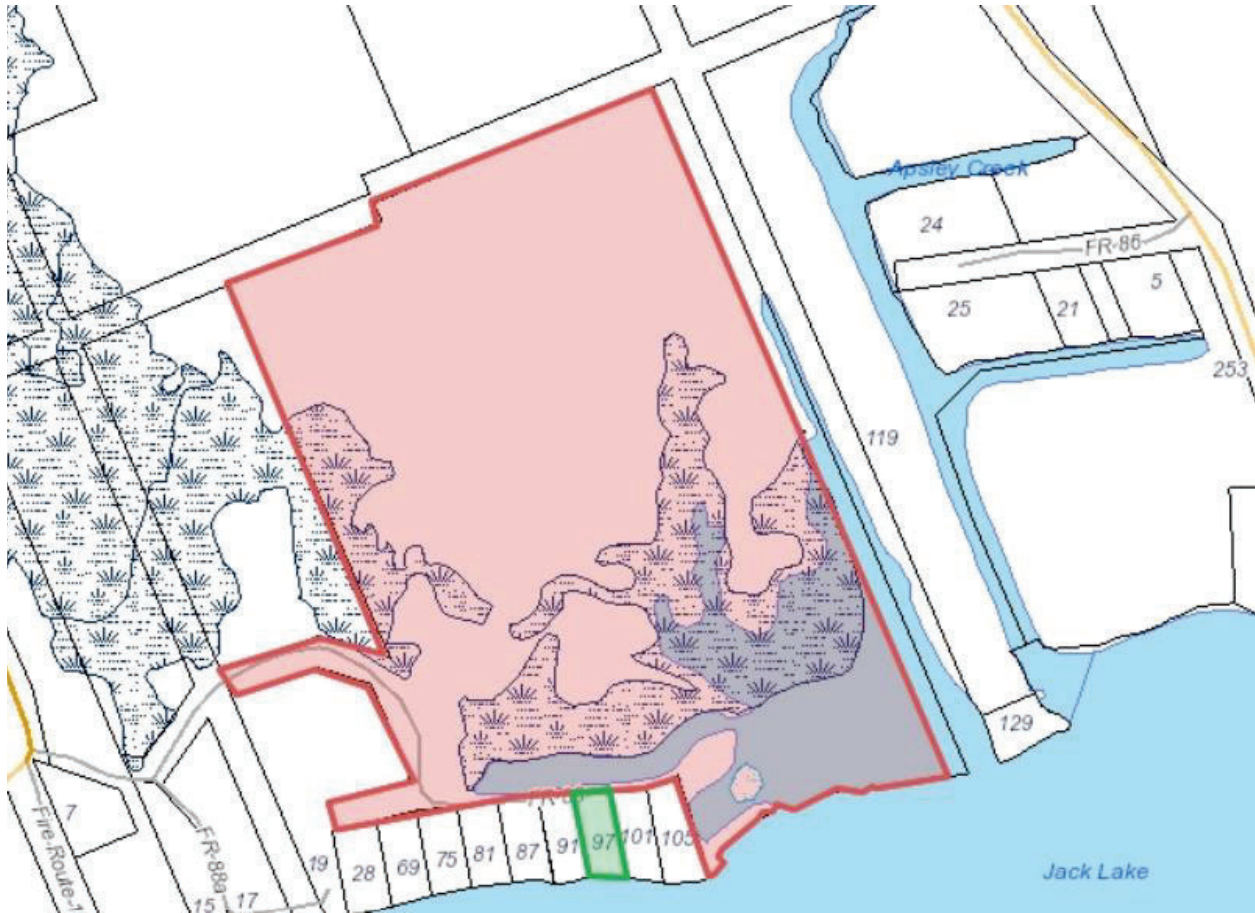


Subject  
Properties

(Source: County of Peterborough Website, September 2022)

The property is located on the northerly portion of Jack Lake and is made up of two parcels, Roll No. 1531-010-007-70300, and 97 Fire Route 88. The property was inadvertently merged in ownership.

### **Proposed Consent (Severance) Plan**



(Source: County of Peterborough GIS Website, November 2022)

### **Pre-Consultation**

A 'Preliminary Severance Review' was filed with the County of Peterborough and a response was received on October 4, 2021 (included as an Attachment 'H'). The review was not favorable as there is not a building envelope on what was the the proposed retained parcel. The waterfront parcel (previously anticipated severed lot), while developed, is technically undersized. However, in consultation with the then Environmental Consultant (DM Wills), as well as a review by Jamie Hoefling, an Ontario Wetland Evaluator, as contracted by KMD Planning Inc., it was determined that support can be granted provided the retained lot incorporates zoning regulations limiting future development. Specifically, the review letter notes "the suggestion of rezoning the

retained lands from Rural (RU) zone to a more restrictive Environmental Protection (EP) zone as a condition of Consent approval would maintain the intent of the PPS and Growth Plan and would serve to enhance the protection of the hydrologic and ecological functions of the identified features and areas”.

The Preliminary Severance Review had anticipated the severed lot to be the waterfront lot, with the retained being the larger, vacant lot. However, following a real estate transaction, the reverse is now being applied for. The waterfront lot will be the retained lot and the larger, more vacant and rural lot will be severed for conservation use.

**Analysis**

**2020 Provincial Policy Statement (2020 PPS)**

The 2020 PPS sets forth a series of policies that address a range of land use, planning, development and related topics on a provincial wide basis.

With respect to the Consent (Severance) Application, the following policies of the 2020 PPS are considered to have direct relevancy:

<b>Section</b>	<b>Title – Comments</b>
Part III	<p>How to Read the Provincial Policy Statement</p> <p>The provincial policy-led planning system recognizes and addresses the complex inter-relationships among environmental, economic and social factors in land use planning. The Provincial Policy Statement supports a comprehensive, integrated and long-term approach to planning, and recognizes linkages among policy areas.</p> <p>Read the Entire Provincial Policy Statement</p> <p>The Provincial Policy Statement is more than a set of individual policies. It is to be read in its entirety and the relevant policies are to be applied to each situation. When more than one policy is relevant, a decision-maker should consider all of the relevant policies to understand how they work together. The language of each policy, including the Implementation and Interpretation policies, will assist decision-makers in understanding how the policies are to be implemented.</p> <p>While specific policies sometimes refer to other policies for ease</p>



	<p>of use, these cross-references do not take away from the need to read the Provincial Policy Statement as a whole. There is no implied priority in the order in which the policies appear.</p> <p><b>Opinion: The entire document has been reviewed for the purpose of preparing this Planning Justification Report.</b></p>
1.0	<p>Building Strong Healthy Communities</p> <p>Ontario is a vast province with urban, rural, and northern communities with diversity in population, economic activities, pace of growth, service levels and physical and natural conditions. Ontario's long-term prosperity, environmental health and social well-being depend on wisely managing change and promoting efficient land use and development patterns. Efficient land use and development patterns support sustainability by promoting strong, liveable, healthy and resilient communities, protecting the environment and public health and safety, and facilitating economic growth.</p>
1.1.1	<p>Healthy, liveable and safe communities are sustained by:</p> <ul style="list-style-type: none"> <li>a) promoting efficient development and land use patterns which sustain the financial well-being of the Province and municipalities over the long-term;</li> <li>b) accommodating an appropriate range and mix of residential (including second units, affordable housing and housing for older persons), employment (including industrial and commercial), institutional (including places of worship, cemeteries and long-term care homes), recreation, park and open space, and other uses to meet long-term needs;</li> <li>c) avoiding development and land use patterns which may cause environmental or public health and safety concerns;</li> <li>d) avoiding development and land use patterns that would prevent the efficient expansion of settlement areas in those areas which are adjacent or close to settlement areas;</li> </ul> <p><b>Opinion: The Preliminary Severance Review process determined that an EIS would be required and that a Planning Application (Minor Variance or Zoning By-law</b></p>

	<b>Amendment) is required for both the severed and retained. An EIS Report was prepared in support of the Application.</b>
1.1.3	<p>Settlement Areas</p> <p>Settlement areas are urban areas and rural settlement areas, and include cities, towns, villages and hamlets. Ontario’s settlement areas vary significantly in terms of size, density, population, economic activity, diversity and intensity of land uses, service levels, and types of infrastructure available.</p> <p><b>Opinion: The property is not part of a Rural Settlement Area.</b></p>
1.1.4	<p>Rural Areas in Municipalities</p> <p>Rural areas are important to the economic success of the Province and our quality of life. Rural areas are a system of lands that may include rural settlement areas, rural lands, prime agricultural areas, natural heritage features and areas, and other resource areas. Rural areas and urban areas are interdependent in terms of markets, resources and amenities. It is important to leverage rural assets and amenities and protect the environment as a foundation for a sustainable economy.</p> <p>Ontario’s rural areas have diverse population levels, natural resources, geographies and physical characteristics, and economies. Across rural Ontario, local circumstances vary by region. For example, northern Ontario’s natural environment and vast geography offer different opportunities than the predominately agricultural areas of southern regions of the Province.</p> <p><b>Opinion: The property is located within the rural area of the Township (and County of Peterborough) and is not designated as a Rural Settlement Area.</b></p>
1.1.5	<p>Rural Lands in Municipalities</p> <p>1.1.5.1 When directing development on rural lands, a planning authority shall apply the relevant policies of Section 1: Building Strong Healthy Communities, as well as the policies of Section 2: Wise Use and Management of Resources and Section 3:</p>



	<p>Protecting Public Health and Safety.</p> <p>1.1.5.2 On rural lands located in municipalities, permitted uses are:</p> <ul style="list-style-type: none"> <li>a) the management or use of resources;</li> <li>b) resource-based recreational uses (including recreational dwellings);</li> <li>c) limited residential development;</li> <li>f) other rural land uses.</li> </ul> <p>1.1.5.3 Recreational, tourism and other economic opportunities should be promoted.</p> <p>1.1.5.4 Development that is compatible with the rural landscape and can be sustained by rural service levels should be promoted.</p> <p><b>Opinion: The proposed severance limits residential development to the waterfront parcel (retained lot) only. This lot is compatible with the area/rural landscape and which can be sustained by rural service levels.</b></p>
1.6	Infrastructure and Public Service Facilities
1.6.6.4	<p>Where municipal sewage services and municipal water services or private communal sewage services and private communal water services are not available, planned or feasible, individual on-site sewage services and individual on-site water services may be used provided that site conditions are suitable for the long-term provision of such services with no negative impacts. In settlement areas, individual on-site sewage services and individual on-site water services may be used for infilling and minor rounding out of existing development.</p> <p><b>Opinion: The retained parcel is serviced by private on-site water and waste-water facilities. The area of the lot is appropriate for accommodating these services and will be reviewed by the Township of Havelock-Belmont-Methuen as part of the Consent process.</b></p>

**It is our professional opinion that the Consent (Severance) Application is consistent with the policy directives of the 2020 PPS.**

**2019 A Place to Grow- Growth Plan for the Greater Golden Horseshoe (2019 Growth Plan)**

The 2019 Growth Plan came into effect on May 16, 2019, replacing the July 1, 2017 Growth Plan (which replaced the 2005 Growth Plan). The new 2019 Plan sets forth a series of detailed policies addressing population and employment growth and other related development, planning and land use matters for the Greater Golden Horseshoe Area. The County of Peterborough is located within the eastern portion of the outer-ring part of the 2019 Growth Plan.

This consent application can conform to the policies of the 2019 Growth Plan. To accommodate the policy directives of the 2019 Growth Plan, the rural parcel (retained) need be rezoned to limit future development, which will satisfy the general intent of the Growth Plan.

See Attachment 'I' for the Environmental Impact Study as well as a Letter of Opinion regarding the 2019 Growth Plan.

Policy	Title - Details
1.2.1	<p>Guiding Principles</p> <p>The successful realization of this vision for the GGH centres on effective collaboration amongst the Province, other levels of government, First Nations and Métis communities, residents, private and non-profit sectors across all industries, and other stakeholders. The policies of this Plan regarding how land is developed, resources are managed and protected, and public dollars are invested are based on the following principles:</p> <ul style="list-style-type: none"> <li>• Support the achievement of complete communities that are designed to support healthy and active living and meet people’s needs for daily living throughout an entire lifetime.</li> <li>• Prioritize intensification and higher densities in strategic growth areas to make efficient use of land and infrastructure and support transit viability.</li> <li>• Provide flexibility to capitalize on new economic and employment opportunities as they emerge, while providing certainty for traditional industries, including resource-based sectors.</li> </ul>

	<ul style="list-style-type: none"> <li>• Support a range and mix of housing options, including second units and affordable housing, to serve all sizes, incomes, and ages of households.</li> <li>• Improve the integration of land use planning with planning and investment in infrastructure and public service facilities, including integrated service delivery through community hubs, by all levels of government.</li> <li>• Provide for different approaches to manage growth that recognize the diversity of communities in the GGH.</li> <li>• Protect and enhance natural heritage, hydrologic, and landform systems, features, and functions.</li> <li>• Support and enhance the long-term viability and productivity of agriculture by protecting prime agricultural areas and the agri-food network.</li> <li>• Conserve and promote cultural heritage resources to support the social, economic, and cultural well-being of all communities, including First Nations and Métis communities.</li> <li>• Integrate climate change considerations into planning and managing growth such as planning for more resilient communities and infrastructure – that are adaptive to the impacts of a changing climate – and moving towards environmentally sustainable communities by incorporating approaches to reduce greenhouse gas emissions.</li> </ul> <p><b>Opinion: The proposed Consent (Severance) Application conforms to the policies of Section 1.2.1 of the Plan. The proposed development/use of the property is compatible with area land uses and does not represent an environmental hazard.</b></p> <p><b>Further, the proposed rezoning of the severed lot will ensure there will not be future development on the property, protecting all environmental features.</b></p>
1.2.2	<p>Legislative Authority</p> <p>This Plan is issued under the authority of section 7 of the Places to</p>

	<p>Grow Act, 2005. It was approved through an Order in Council under that Act to come into effect on May 16, 2019. This Plan replaces the Growth Plan for the Greater Golden Horseshoe, 2017 that took effect on July 1, 2017.</p>
	<p>Read the Entire Plan</p> <p>This Plan is to be read in its entirety and the relevant policies are to be applied to each situation. The language of each policy, including the policies in Section 5, will assist decision-makers in understanding how the policies are to be implemented.</p> <p>While some policies refer to other policies for ease of use, these cross-references do not take away from the need to read the Plan as a whole. There is no implied priority in the order in which the policies appear.</p> <p><b>Opinion: The entire document has been reviewed for the purpose of preparing this Planning Justification Report.</b></p>
<p>2.2</p>	<p>Policies for Where and How to Grow</p> <p>2.2.1 Managing Growth</p> <p>1. Population and employment forecasts contained in Schedule 3 will be used for planning and managing growth in the GGH to the horizon of this Plan in accordance with the policies in subsection 5.2.4.</p> <p>2. Forecasted growth to the horizon of this Plan will be allocated based on the following:</p> <p>a) the vast majority of growth will be directed to settlement areas that:</p> <ul style="list-style-type: none"> <li>i. have a delineated built boundary;</li> <li>ii. have existing or planned municipal water and wastewater systems; and</li> <li>iii. can support the achievement of complete communities;</li> </ul> <p><b>Opinion: The subject property does not form part of a designated Rural Settlement Area.</b></p>

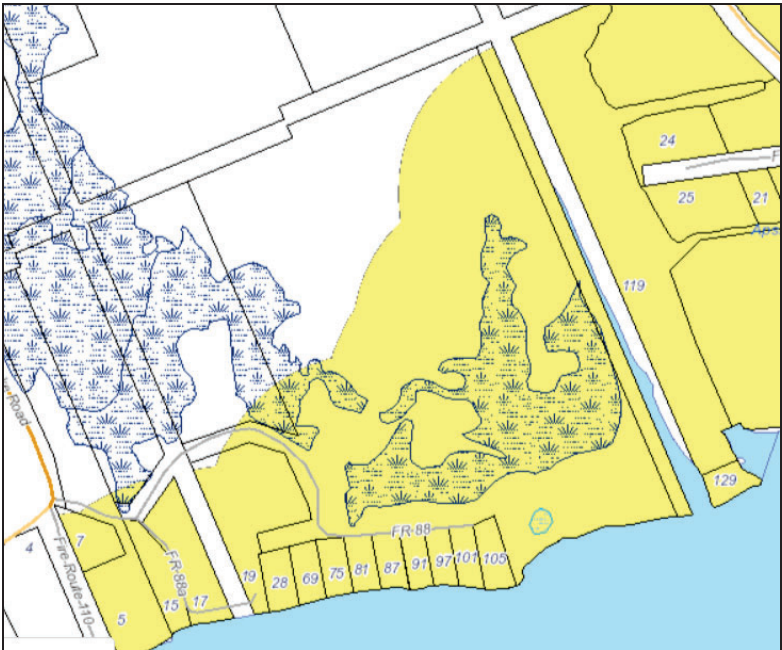


	<p>c) within settlement areas, growth will be focused in:</p> <ul style="list-style-type: none"> <li>i. delineated built-up areas;</li> <li>ii. strategic growth areas;</li> <li>iii. locations with existing or planned transit, with a priority on higher order transit where it exists or is planned; and</li> <li>iv. areas with existing or planned public service facilities;</li> </ul> <p>d) development will be directed to settlement areas, except where the policies of this Plan permit otherwise;</p> <p><b>Opinion: The subject property does not form part of a designated Rural Settlement Area.</b></p>
2.2.9	Rural Areas
	<p>1. Municipalities are encouraged to plan for a variety of cultural and economic opportunities within rural settlements to serve the needs of rural residents and area businesses.</p> <p><b>Opinion: The subject property does not form part of a Rural Settlement Area.</b></p>
	<p>3. Subject to the policies in Section 4, development outside of settlement areas may be permitted on rural lands for:</p> <ul style="list-style-type: none"> <li>a) the management or use of resources;</li> <li>b) resource-based recreational uses; and</li> <li>c) other rural land uses that are not appropriate in settlement areas provided they: <ul style="list-style-type: none"> <li>i. are compatible with the rural landscape and surrounding local land uses;</li> <li>ii. will be sustained by rural service levels; and</li> <li>iii. will not adversely affect the protection of agricultural uses and other resource-based uses such as mineral aggregate operations.</li> </ul> </li> </ul> <p><b>Opinion: The proposed Consent (Severance) Application is considered an appropriate form of rural land use. The</b></p>

	<p>resultant lot are compatible with the existing rural and surrounding local land uses, will be sustained by rural service levels and will not adversely affect the protection of agricultural or resource-based uses. The retained lot will remain undeveloped and protected with a new zone.</p>
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**It is our professional planning opinion that the severance application is in Conformity with the policies of the 2020 Growth Plan.**

**County of Peterborough Official Plan**



(Source: County of Peterborough Website, September 2022)

The property is designated Rural and Shoreline in the County of Peterborough’s Official Plan.

Relative to the Consent (Severance) Application the following policies of the County Official Plan, inclusive of local policies, are considered to have direct relevancy:

<b>Section</b>	<b>Title – Comments</b>
2.3	<p>Local Official Plans</p> <p>It is the intent, and a requirement of the Planning Act that local official plans shall conform to this Plan and be one of the primary means of</p>

	<p>implementing the policies herein.</p> <p>In the event of a conflict between the provisions of a local official plan and the provisions of this Plan, the provisions of this Plan shall prevail to the extent of that conflict except where the local plan is more restrictive.</p>
2.4	<p>Local Zoning By-laws</p> <p>When this Plan or any part thereof takes effect, every local zoning by-law shall be amended by the local municipalities to conform with this Plan pursuant to the Planning Act. The Amendments to the zoning by-laws should occur after the local Official Plan has been amended to conform to this Plan.</p>
2.6.3	<p>Division of Land</p>
2.6.3.1	<p>General Policies</p> <p>The acceptability of severances in Peterborough County shall be determined by applying the relevant policies contained in this Plan, policies contained in local Official Plans, the 2005 Provincial Policy Statement, and the provisions of the Planning Act. Under no circumstances shall severances be recommended for approval where proposed severances are contrary to this Plan and/or the respective local Official Plan.</p> <p>Severances for building purposes will not be permitted where:</p> <p>3) the division of land is located in an area that would be rendered inaccessible to people and vehicles during times of flooding hazards, erosion hazards, and/or dynamic beach hazards unless it has been demonstrated that the site has safe access appropriate for the nature of development and the natural hazard; and a floodway, regardless of whether the area of inundation contains high points of land not subject to flooding.</p> <p><b>Opinion: The proposed severed lot is not for building/development purposes. Instead this proposed lot will be rezoned to limit any future development and will have a conservation and environmental protection use.</b></p>
2.6.3.3	<p>Shoreland Areas</p> <p>The following policies apply to severance applications for land holdings</p>

	<p>located in Shoreland Areas as described in Section 4.4.</p> <p>A) If the proposed lot(s) has been identified by the Health Unit and/or Ministry of the Environment as a proposal where;</p> <ul style="list-style-type: none"> <li>i) municipal or communal services for water and/or sewer cannot be provided because of capacity problems or physical constraints; or</li> <li>ii) in the absence of municipal or communal water and sewage services, it is determined by the Health Unit and/or the Ministry of the Environment that the area for sewage disposal on the proposed lots does not or cannot be made to meet the requirements of current Health Unit or Ministry of the Environment policy;</li> </ul> <p>an application shall not be granted.</p> <p>B) If it is determined by the local municipality, or the Ministry of Environment that solid waste disposal cannot be provided, severances shall not be permitted.</p> <p>C) Lots shall have direct frontage on and access from publicly owned and maintained roads unless otherwise permitted in local Official Plans. Water access for recreational uses may be permitted as specified in local Official Plans.</p> <p><b>Opinion: The waterfront parcel (retained lot) has an existing cottage with existing well and septic.</b></p>
<p>4.4</p>	<p>Shoreland Areas and the Waterfront</p> <p>Shoreland Areas generally include all lands extending inland 150 metres from the ordinary high water mark of any lake, river or waterway. Lands and land uses that are more than 150 metres from shore but which physically or functionally relate to the Shoreland Areas are considered to be part of the Shoreland Areas. All lands that are less than 150 metres from shore but which do not physically or functionally relate to Shoreland Areas are not considered to be part of the Shoreland Areas. The Shoreland Area shall not extend into any Settlement Area identified in this Plan or into prime agriculture or other agricultural areas designated in local plans in accordance with Section 4.3.3.2 of this Plan.</p> <p><b>Opinion: The proposed retained lot is located within 150 metres of the ordinary high water mark and are appropriate for the proposed use of a recreational property.</b></p>

4.4.1	<p>Goal</p> <ul style="list-style-type: none"> <li>• to improve and protect waterfront areas in Peterborough County as a significant cultural, recreational, economic and natural environmental resource and enhance land areas adjacent to the shore.</li> </ul>
4.4.2	<p>Objectives</p> <ul style="list-style-type: none"> <li>• to encourage appropriate public accessibility to waterfront areas in the County where accessibility is permitted;</li> <li>• to permit sustainable shoreland development that allows for limited growth of existing and new tourist developments and innovatively designed residential developments;</li> <li>• to protect, improve or restore the quality and quantity of water on a watershed basis;</li> <li>• to recognize and preserve to the greatest extent possible the character of waterbodies and lands adjacent to the shoreline with limited, low density backlot development where such development is permitted;</li> <li>• to ensure that the built form along the shoreline is not overly concentrated or dominating to the detriment of the natural form;</li> <li>• to maintain, enhance or restore the majority of the developed and undeveloped shorelines in their natural state by promoting property stewardship;</li> <li>• to preserve and enhance fish and wildlife habitat areas within and along waterbodies;</li> <li>• to protect 'at capacity' lakes from further development either in terms of supportive capacity (number of boats) or assimilative capacity (absorption of phosphorus) as determined by the Ministry of the Environment, the Ministry of Natural Resources, the local municipality, or, where appropriate, the Trent Severn Waterway.</li> </ul>



4.4.3

Policies

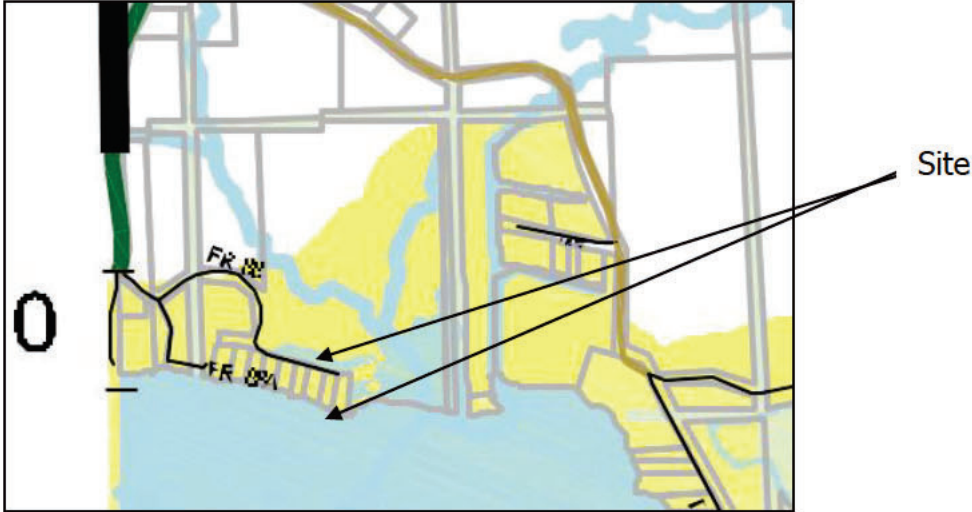
- The character of Shoreland Areas is linked to the natural and built form associated with the lakes and rivers in the County. For the most part, the natural form includes vegetated shorelines with thin soils over bedrock. The built form includes predominately residential development interspersed with some commercial developments, including resorts and marinas. The Shoreland Areas are generally associated with leisure, recreation, water supply, support for fisheries and wildlife habitat. As such, development occurring in the Shoreland Areas should enhance and protect, where possible, those qualities that contribute to the area's character;
- The waterfront is a major recreation resource area that should be made accessible to both public and private users, where appropriate;
- Lands which form the bed of a waterbody should generally be open, free and clear from buildings or structures, except for approved shoreline improvements or like works and the location of approved accessory buildings and structures as identified in local Official Plans;
- The County shall participate with local municipalities in encouraging public responsibility for water quality and visual objectives of shoreline management on a watershed basis;
- Where new development is being considered by the local municipality, the County and commenting agencies, significant frontage requirements, building and facility setbacks, as determined by the local municipalities to assure long term safety of the structures and further minimize shoreline development;
- Local municipalities shall ensure that waterfront lots are of sufficient size to accommodate the proposed use and related structural and servicing requirements, as determined by the Ministry of the Environment, Health Unit or County as well as recognize any environmental influences such as soil, terrain, water quality and waterbody constraints as determined by the appropriate authority;

**Opinion: The Consent (Severance) Application is in keeping**

	with the policy directives from Section 4.4.
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**It is our professional opinion that the Consent (Severance) Application is in keeping with the policy directives of the County Official Plan.**

**Township of Havelock-Belmont-Methuen Official Plan**



(Source: Township of Havelock-Belmont-Methuen Schedule B1, September 2022)

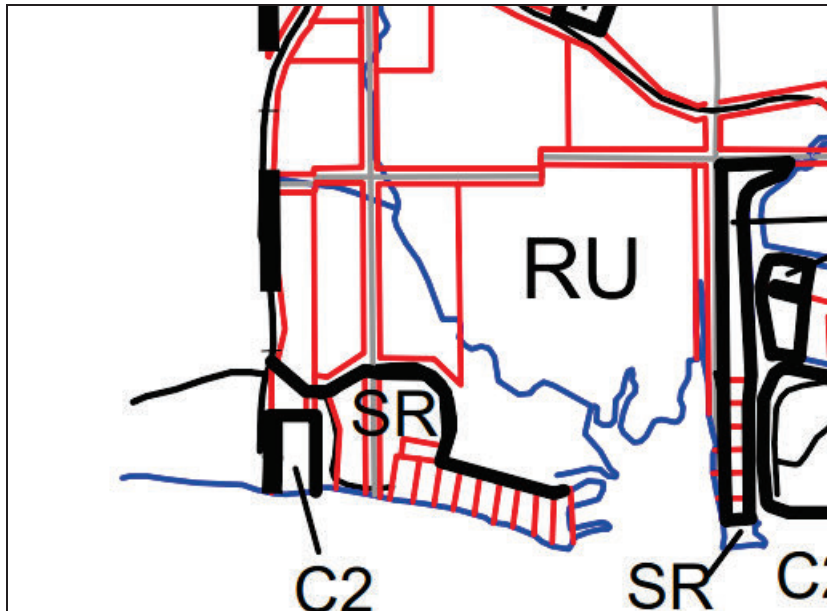
The properties are designated as Shoreline (both) and Rural (severed lot). The following are applicable policies from the Township of Havelock-Belmont-Methuen’s Official Plan:

Section	Titles - Comments
3.3	Shoreline
3.3.1	Purpose  Those lands designated Shoreline are generally defined as extending inland 150 metres (492 feet) from any standing waterbody and held in private ownership.  <b>Opinion: The property is located within 150 metres of Jack Lake</b>
3.3.3	Permitted Uses

	<p>Generally the Shoreline Designation will continue to be a place where people live, work and play. While the quality of the shoreline amenity remains of the utmost importance, residential and tourist commercial uses are expected to grow over the life of this Plan. Residential uses of both a permanent and recreational (cottage) nature are the most prevalent use that can be found in the Shoreline designation. These uses will continue to grow and change with the population. Sleeping cabins may be permitted subject to the provisions of the implementing zoning by-law. The zoning by-law will distinguish between lots found on Township maintained roads and lots found on private roads.</p>
<p>3.3.4</p>	<p>Development Policies</p>
<p>3.3.4.1</p>	<p>Development Considerations</p> <ul style="list-style-type: none"> <li>B. i) the minimum shoreline setback for any new waterfront lot shall be 30 metres from the high water mark. There may be instances where this setback will be increased based on consultation with the Conservation Authority or the Ministry of Natural Resources. These instances may include locations with steep slopes, limited soil or limited vegetative cover.</li> <li>C. New waterfront lots shall comply with the minimum lot area and minimum lot frontage requirements of the applicable zone.</li> <li>D. Setbacks and other performance standards such as lot coverage will be more precisely defined in the implementing zoning by-law to ensure that the scale of development does not overwhelm the natural element of the shoreline.</li> <li>E. It is anticipated that the future development of the shoreline area will take place primarily through the consent process. Proposals for a Plan of Subdivision or Plan of Condominium in the Shoreline Designation will require an amendment to the Official Plan for a "Shoreline Special Designation". The purpose of the amendment is to consider the uniqueness of each development in the local context and to ensure all studies have been appropriately considered at the municipal level.</li> </ul> <p><b>Opinion: Both properties are located within the Shoreline designation.</b></p>

**It is our professional planning opinion that the Consent (Severance) Application is in keeping with the general purpose and intent of the land use designations and policies of the Official Plan.**

**Township of Havelock-Belmont-Methuen Zoning By-law**



(Source: Township of Havelock-Belmont-Methuen Website, September 2022)

The property is zoned Seasonal Residential ('SR') and Rural ('RU') in the Township of Havelock-Belmont-Methuen's Comprehensive Zoning By-law.

The intent is to retain the waterfront parcel, 97 Fire Route 88, and sever the larger, rural parcel, Roll No. 1531-010-007-70300. The proposed severed parcel with the 'RU' zone has an existing garage and based on the Environmental Impact Study completed by DM Wills in 2018 and further reviewed by Jamie Hoefling in September 2022, there is not sufficient access to the property to allow for a building envelope, and moreover the property is constrained by natural features.

**Accordingly, it is recommended that the proposed severed parcel be rezoned from RU - Rural zone is to be rezoned to EP - Environmental Protection ('EP') to restrict future development.** The garage, being an accessory structure without a principle dwelling, will also require recognition and can be addressed through the recommended Zoning By-law Amendment Application process

The waterfront parcel, 97 Fire Route 88, will also require an application under the Planning Act to address the insufficient lot area and recognize any other deficiencies that may be found, for example the existing building setback to the high-water mark.

### **Summary**

It is our professional planning opinion that the Consent (Severance) Application is:

- Consistent with policy directives of the 2020 PPS;
- Is in Conformity with the policy directives of 2019 Growth Plan (noting the recommended rezoning of the proposed retained parcel of lands);
- In Keeping with the general purpose and intent of the policy provisions/directives of the County of Peterborough;
- In Keeping with the general purpose and intent of the policy provisions/directives in the Official Plan for the Township of Havelock-Belmont-Methuen;
- In Keeping with the general purpose and intent of the regulatory provisions of the Township of Havelock-Belmont-Methuen Zoning By-law; and
- Representative of Good Planning and should be granted Consent approval.

Prepared by:



Laura Stone, Planner

Reviewed by:



Kevin M. Duguay, MCIP, RPP





COUNTY OF PETERBOROUGH
MUNICIPAL APPRAISAL FORM

APPLICANT: Sterling/Steele

FILE B - 169-22

LOT: 30, CON.: 11 MUNICIPAL WARD: Methuen

911 address: Vacant Parcel, Roll #: 1531-010-007-70300, Island # or other: \_\_\_\_\_

APPLICATION FOR: Creation of a new lot

RECOMMENDATION:

Application conforms to the Official Plan. Severed parcel does not conform to the Zoning By-Law. Retained parcel does not conform to the Zoning By-Law. The Township recommends this application. If the application is approved, the following conditions are requested:

- 1. [X] \$1,000.00 Cash-in-lieu of parkland fee be paid to the Municipality.
2. [X] Rezoning of the severed parcel to the satisfaction of the Municipality.
3. [ ] Rezoning of the retained parcel to the satisfaction of the Municipality.
4. [ ] Minor Variance for the severed parcel to the satisfaction of the Municipality.
5. [ ] Minor Variance for the retained parcel to the satisfaction of the Municipality.
6. [ ] Road widening on severed portion, of \_\_\_\_\_. Cost to be incurred by the applicant.
7. [ ] An Agreement is to be entered into between the Applicant & the Municipality and registered on title at the applicants expense which would \_\_\_\_\_.
8. [ ] A Merger Agreement is to be entered into between the Transferor, Transferee and Municipality, pursuant to Section 51(26) and Section 53(12) of the Planning Act, R.S.O., 1990, and registered on title to merge the severed parcel with the abutting (or separated) land identified by property roll # \_\_\_\_\_, such that these 2 parcels shall be considered as one lot and shall not be dealt with separately. OR The solicitor for the applicant is to provide an undertaking, whereby he informs the Committee, in writing, that the lands are being conveyed to an abutting property owner and a merger of title shall take place.
9. [ ]
10.

Comments: It is identified that the retained parcel "does not conform" to the zoning by-law because the existing structures on the subject lot are deficient in their respective shoreline setbacks. However, the structures pre-date the Township's current zoning by-law and thus would be considered legal non-complying. No rezoning required for the retained lot. Only for the severed parcel.

OFFICIAL PLAN:

Application conforms to the Township Official Plan policies, Section(s) 2.2.2, 3.1, 3.3.

Severed Parcel:

- a) Proposed Use: Residential.
b) Land Use Designation(s): Shoreline and Rural.
c) The proposed use is a permitted one.
d) Special policies affecting the severed parcel (i.e. OPA): N/A.

Retained Parcel(s):

- a) Proposed Use: Residential.
b) Land Use Designation(s): Shoreline.
c) The proposed use is a permitted one.
d) Special policies affecting the retained parcel (i.e. OPA): N/A.

ZONING BY-LAW:

Severed Parcel:

- a) The severed parcel does not conform to the Township Zoning By-Law provisions, Section(s) 4.1.
b) [X] A rezoning is required for the severed parcel.
c) [ ] A minor variance is not required for the severed parcel.
d) The existing zoning of the severed parcel is: Rural (RU).
e) The recommended zoning of the severed parcel would be: Environmental Protection Exception or Special District.

Retained Parcel(s):

- a) The retained parcel does not conform to the Township Zoning By-Law provisions, Section(s) 11 and 4.37.
b) [ ] A rezoning is not required for the retained parcel.
c) [ ] A minor variance is not required for the retained parcel.
d) The existing zoning of the retained parcel is: Seasonal Residential (SR) Zone.
e) The recommended zoning of the retained parcel would be: Remain as is.

General:

- a) If the severed and/or retained parcel(s) do not conform to the Zoning By-Law, Council supports a rezoning and/or minor variance.

Completed By: AH

Date: 2024-03-21

2022-01-24

This document is available in 12 pt. font if required for accessibility.

MAF B-169-22



COUNTY OF PETERBOROUGH  
MUNICIPAL APPRAISAL FORM

Amended Date: N/A

January 26, 2018



**Attention: Mr. Roland and Mrs. Linda Harvey**

Dear Mr. Roland and Mrs. Harvey,

**Re: Environmental Constraints Assessment  
Parts of Lots 30 and 31, Concession 11  
Township of Havelock-Belmont-Methuen,  
County of Peterborough, Ontario  
D.M. Wills Project No. 7213**

D.M. Wills Associates Limited (Wills) is pleased to submit this Environmental Constraints Assessment for the property located on part of lots 30 and 31, Concession 11, in the Township of Havelock-Belmont-Methuen, in Peterborough County.

The results of our on-site investigation and background review indicates that adverse impacts to natural heritage features, specifically the Brooks and Sheep's Bay PSW, are expected to result from the proposed development.

The Brooks and Sheep's Bay Provincially Significant Wetland (PSW) surround the property and a minimum 120 m buffer is required from the wetland boundary, in accordance with provincial and municipal planning policies. If development were to proceed, at minimum, a wetland compensation plan would be required to offset impacts to the existing wetland feature. In addition, further investigation, including a detailed impact assessment for breeding birds, amphibians, and fisheries would likely be required. Confirmation of the additional studies would be determined in discussions with the Ministry of Natural Resources and Forestry district office.

In summary, Wills is of the opinion that there is not sufficient lands available for a building envelope to support a single unit housing development. Further investigation and a wetland compensation plan may result in approval to develop a storage area or outbuilding without septic services.

We trust our report addresses your needs at this time. If you require additional information or have any questions, please contact the undersigned at your convenience.

Respectfully submitted,

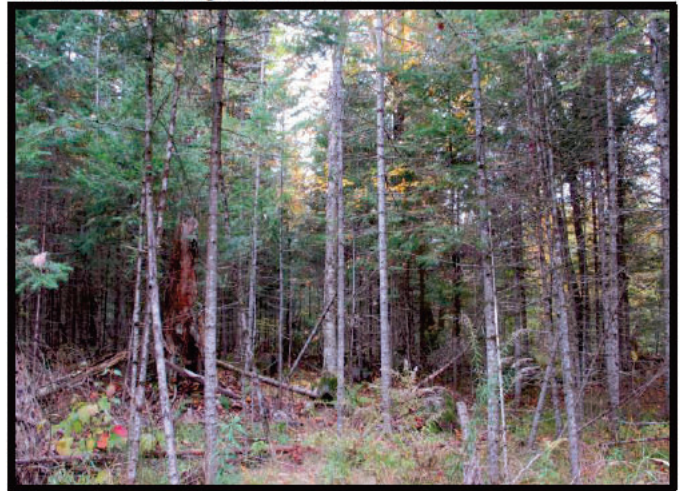


Shawn Filteau, B.Sc.  
Environmental Biologist

## **Environmental Constraints Assessment**

**Parts of Lots 30 and 31, Concession 11  
Township of Havelock-Belmont-Methuen,  
County of Peterborough, Ontario**

**D.M. Wills Project No. 16-7213**



**D.M. Wills Associates Limited**

Partners in Engineering  
Peterborough

**January, 2018**

**Prepared for:**

Mr. Roland and Mrs. Linda Harvey



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## Executive Summary

D.M. Wills Associates Limited (Wills) was retained by Mr. Roland and Mrs. Linda Harvey to undertake an Environmental Constraints Assessment (ECA) for a proposed development located on part of Lots 30 and 31, Concession 11, in the Township of Havelock-Belmont-Methuen, in Peterborough County (Subject Property). The proposed development includes the construction of a residential building complete with site servicing and associated access construction (Project). This report has been prepared in support of permitting requirements under Ontario Regulation 159/06.

Development constraints considered for the Project include wetland buffers as well as municipal development constraints identified by the Township of Havelock-Belmont-Methuen.

The majority of the Subject Lands are currently undeveloped and encompass some forested lands as well as a portion of the Brooks and Sheep's Bay Provincially Significant Wetland (PSW) complex and Apsley Creek. There is an existing road through the Subject Property as well as two cleared areas containing a trailer and a small dwelling. The Subject Property ranges in topography from 279 to 280 metres above sea level (masl). The development is proposed in the central portion of the property adjacent to the existing small dwelling. This area is slightly higher in elevation than the wetlands. The purpose of the ECA is to identify environmental constraint boundaries, develop appropriate setbacks, consult with regulatory agencies and identify the activities required to address project compliance with Provincial and Federal statutes and policies including, but not limited to: the *Conservation Authorities Act* (R.S.O. 1990), the *Endangered Species Act* (R.O. 2007), the *Migratory Birds Convention Act* (S.C. 1994), the *Provincial Policy Statement* (2014), Section 35 and 37 of the *Fisheries Act* (R.S.C. 1985) and identify associated permitting, if required, based on the results of the ECA and details of the proposed development.

Potential impacts of the proposed development on existing natural heritage features and associated wildlife, including Species at Risk (SAR,) were evaluated based on a review of publicly available resources, agency consultation (MNR, CVCA) and the results of on-site field investigations. The results of on-site investigations identified the presence of a wetland surrounding the proposed development location and the presence of habitat features which may support Species at Risk (SAR).

A minimum buffer of 30 m will be required for the proposed development location. Given the nature of the site and extent of the Brooks and Sheep's Bay Provincially Significant Wetland (PSW) complex, a 30 m buffer would encompass the entirety of existing developable area resulting in no residual area for a building envelope within the proposed development location. If development at the proposed development location were to proceed, it is anticipated that a wetland compensation plan would be required to offset impacts to the existing wetland feature caused by encroachment on the wetland.

Further investigations, including a detailed impact assessment for breeding birds, amphibians, and fisheries may be required in addition to the development of a wetland compensation plan.

In summary, Wills is of the opinion that the proposed development location is not large enough to support a single unit housing development. Further investigations and a wetland compensation plan may result in approval to develop a storage area or outbuilding without septic services.

## 1.0 Introduction

D.M. Wills Associates Limited (Wills) is pleased to present this Environmental Constraints Assessment (ECA) focused on evaluating existing conditions and environmental constraints in support of future development proposed on the Subject Property.

The proponent is planning to build a single unit housing development (Project) within the Study Area located near the existing developed area in the centre of the property (**Figure 1**). Given the presence and proximity of adjacent environmental features including, wetlands and natural tributaries associated with the Apsley Creek system and outlet into Jack Lake, the purpose of the ECA was to evaluate any potential environmental constraints through the following tasks:

- **Task 1** – Conduct all necessary environmental background reviews including a review of all topographical source materials, soil geological makeup, assessment of the history of development and re-routing of waters associated with Apsley Creek, aerial photographic interpretation, and desktop review of the area's general hydrology.
- **Task 2** – Conduct an on-site assessment of potential constraints associated with the proposed development lands, including GPS mapping of wetland area streams, and upland/potentially developable locations.
- **Task 3** – Provide an Environmental Constraints Assessment report outlining wetland boundaries, and otherwise ecological considerations which may require further study with respect to development application approval (e.g. Species at Risk considerations).



### 1.1 Site Location / Study Area

The Subject Property includes property identification numbers (P.I.N.) 28260-0069(LT) and 28260-0080(LT) and is legally described as Part of Lots 30 and 31, Concession 11, in the Township of Havelock-Belmont-Methuen, County of Peterborough. The property is bound by Fire-Route 88 and 88A followed by Jack Lake to the south, undeveloped private lands and Jack Lake Road to the west, Shady Lane to the north and an unnamed road allowance between Concessions 10 and 11 (P.I.N. 28260-0092 LT), followed by cottage developments to the east. The Subject Property encompasses predominantly undeveloped lands including forested and wetland areas (**Figure 1**). See legal survey located in **Appendix A – Supporting Documents** for details.

The Study Area includes lands within a 200 m radius of the Project on the Subject Property (see **Appendix B – Statement of Limitations** for details).



**Figure 1 – Site Location Map**

<u>Legend</u>	
	Proposed Development
	Study Area



D.M. Wills Associates Limited  
 150 Jameson Drive  
 Peterborough, Ontario  
 Canada K9J 0B9  
 P. 705.742.2297  
 F. 705.748.9944  
 E. wills@dmwills.com

Drawn By	S.F.	Scale	See Map
Checked	T.J.	Date	January 2018
Project No.	16-7213	Drawing File No.	



## 2.0 Regulatory Context

### Provincial Policy Context

The Provincial Policy Statement (PPS) 2014 was issued under Section 3 of the Planning Act (R.S.O. 1990, as amended May 30, 2017). The PPS is applicable province-wide to all planning decisions made on or after April 30, 2014, and replaces the PPS 2005.

The Subject Property is located in Ecoregion 5E. The 2014 Provincial Policy Statement states, in part:

Section 2.1.4: Development and site alteration shall not be permitted in:

- a) Significant wetlands in Ecoregions 5E, 6E and 7E
- b) Significant coastal wetlands

The proposed development is not proposed in any significant wetlands or significant coastal wetlands.

The PPS also states:

Section 2.1.5: Development and site alteration shall not be permitted in:

- a) Significant wetlands in the Canadian Shield north of Ecoregions 5E, 6E and 7E
- b) Significant woodlands in Ecoregions 6E and 7E (excluding islands in Lake Huron and the St. Mary's River)
- c) Significant valley lands in Ecoregions 6E and 7E (excluding islands in Lake Huron and the St. Mary's River)
- d) Significant wildlife habitat
- e) Significant areas of natural and scientific interest
- f) Coastal wetlands in Ecoregions 5E, 6E and 7E that are not subject to policy 2.1.4 (b)

The proposed development is not planned within any of the constraint regions or systems outlined in Section 2.1.5.

The PPS also states:

Section 2.1.6: Development and site alteration shall not be permitted in fish habitat except in accordance with provincial and federal requirements.

The PPS also states:

Section 2.1.7: Development and site alteration shall not be permitted in habitat of endangered species and threatened species except in accordance with provincial and federal requirements.

The proposed development is not planned to encroach into the habitat of any provincially Endangered or Threatened species identified within the Study Area. Further details are provided in **Section 5.3**.

Lastly, the PPS states:

Section 2.1.8: Development and site alteration shall not be permitted on adjacent lands to the natural heritage features and areas identified in policies 2.1.4, 2.1.5, 2.1.6 and 2.1.7, unless the ecological function of the adjacent lands has been evaluated and it has been demonstrated that there will be no negative impacts on the natural features or on the ecological functions.

The Ontario Natural Heritage Reference Manual for the Provincial Policy Statement defines adjacent lands as:

- 120 m from provincially significant wetlands
- 50 m from – significant woodlands; significant valley lands; significant wildlife habitat; significant portions of habitat for threatened or endangered species, significant ANSIs
- 30 m from fish habitat

The Subject Lands are surrounded entirely by a provincially significant wetland and therefore a 120 m buffer is required. The assessment to meet this regulatory requirement is discussed in **Section 6.0**.

### **Local Policy Context**

As outlined in the Official Plan of The Township of Havelock-Belmont-Methuen (Schedule A2, updated December, 2008), the Subject Lands are located in an area of lands currently zoned as Rural (RU) and Shoreline (SR). See County of Peterborough map located **Appendix A – Supporting Documents** for details).

As outlined in the County of Peterborough Official Plan (May 2014), the following policies apply to the Subject Lands:

#### **Section 4.3.3.1 – General (Rural)**

*Local municipalities should encourage and, where appropriate require, through the passage of tree cutting by-laws public and private land owners to maintain the forested appearance of the landscape.*

Rural areas will generally be the focus of resource activity, resource based recreational activity and other rural land uses. The County, recognizing the need for growth on a limited basis, will permit non-agricultural related uses in the rural community outside prime agricultural areas and other agricultural areas designated in local plans in accordance with Section 4.3.3.2 which reflect the cultural and rural character of the area, promote a variety of living and employment opportunities for the rural community and do not negatively impact on the natural environment that cannot be located in settlement areas.

Development shall be appropriate to the infrastructure which is planned or available, and shall avoid the need for unjustified and/or uneconomical expansion of this infrastructure;

New land uses, including the creation of lots, and new or expanding land use facilities, shall comply with the minimum distance separation formulae.

### **Section 6.2.15.3 - Environmental Constraint Policies**

**c)** It is not the intention of this Plan that Environmental Constraint areas will necessarily remain undeveloped indefinitely, are free and open to the general public or will be purchased by the Township. An application to redesignate Environmental Constraint areas for other purposes shall require an Environmental Impact Assessment, prepared by a qualified professional for consideration by the Township in accordance with Section 4.1.3.1.

#### **4.1.3.1 – General (Natural Environment Policies)**

Development and site alterations within provincially significant wetlands and in significant portions of the habitat of endangered and threatened species is not permitted.

However, with the exception of the Oak Ridges Moraine Policy, development or site alteration such as filling, grading and excavating may be permitted within or adjacent to the remaining natural heritage features listed in Section 4.1 of this Plan, provided that it has been demonstrated by an Environmental Impact Assessment that there will be no negative impacts on the natural features or ecological functions for which the area is identified.

Environmental impact assessments will be:

- Prepared by professionals, at the applicant's cost unless determined otherwise by the local municipality, and approved by the local municipality
- Circulated to the County for review, and to any other agency the local municipality deems appropriate
- Subject to independent peer review at the applicant's cost if deemed appropriate by the County

- Approved by the County as well as the local municipality and the Conservation Authority where one exists. If the study determines that the lands adjacent to a significant natural heritage feature are lesser in extent than the natural heritage screening area as prescribed below, development may proceed
- Prepared in accordance with watershed or subwatershed plans where they exist
- Prepared using as a guide the Natural Heritage Reference Manual, June 1999 as amended, and supporting technical manuals produced by the Ministry of Natural Resources

Environmental impact assessments will include:

- A description of the proposal and statement of rationale for the undertaking
- A description of the existing land use(s) on site and adjacent lands
- The land use designation on site and adjacent lands, as identified by the County and local municipal Official Plans
- A description of alternative development proposals for the site as well as the environmental impacts of the alternatives
- A comprehensive description of the proposal including its direct and indirect effect on the environment and considering both the advantages and disadvantages of the proposal
- An identification of environmental constraint areas
- An environmental inventory of the area under development consideration (plant life, land-based and aquatic wildlife, wetlands, natural landforms, surface waters, hydrogeological features)
- A statement of environmental and ecological significance of the area affected by the proposed development
- A statement on how the development will establish or facilitate the establishment of linkages between natural areas within the watershed and adjacent watersheds and how these linkages will contribute to the preservation and enhancement of the natural areas
- A detailed description of mitigating effects
- Any additional information requested by the local municipality
- An assessment of options for servicing the development with full municipal or communal water and sewage services as well as the environmental impacts of the servicing options

An environmental impact assessment for proposed development in or adjacent to a significant natural heritage feature will include as its study area, the natural heritage feature as well as the area surrounding that type of feature, as follows:

- Significant wetlands - all lands within 120 metres
- Significant portions of the habitat of endangered and threatened species - all lands within 50 metre.
- Fish habitat - all lands within 30 metres of the high water mark of all watercourses
- Significant wildlife habitat - all lands within 50 metres
- Significant woodlands south of the southern limit of the Canadian Shield - all lands within 50 metres
- Significant valleylands south of the southern limit of the Canadian Shield - all lands within 50 metres
- Significant areas of natural and scientific interest - all lands within 50 metres

Where a feature is of more than one type, or the adjacent lands of nearby features overlap, the most restrictive provisions apply.

A local plan may require that an environmental impact assessment include additional components, with respect to natural resources listed in Section 4.1, or other features identified in the local plan.

Reforestation of valleylands, banks and steep slopes will be promoted and encouraged to reduce flooding and excessive soil erosion and to improve suitable fish and wildlife habitat.

#### **Section 4.1.3.4 – Natural Heritage Features**

*Local plans will prohibit development and site alterations within the following types of significant natural heritage features:*

- Significant wetlands
- Significant portions of the habitat of endangered and threatened species
- Local plans may permit development and site alteration in:
  - Significant woodlands south and east of the Canadian Shield
  - Significant valleylands south and east of the Canadian Shield
  - Significant wildlife habitat
  - Significant areas of natural and scientific interest

Development and site alteration will not be permitted in fish habitat except in accordance with provincial and federal requirements.



Development and site alteration shall not be permitted on adjacent lands to the natural heritage features and areas listed above unless the ecological function of the adjacent lands has been evaluated in accordance with an environmental impact assessment as described in Section 4.1.3.1 and it has been determined that there will be no new negative impacts on the natural features or on their ecological functions.

Where a local plan is amended to designate or change the boundaries of significant natural heritage features, in considering approval of the amendment, the County must be satisfied that:

- Resource data available from the Ministry of Natural Resources, conservation authorities, and the Trent-Severn Waterway have been fully considered and are fairly reflected.
- Any variances from the data available from the preceding agencies are justified by other data provided by and to the local municipality, and by the local municipality's interpretation of all the data available to it based on its knowledge of local conditions.

### 3.0 Background Review

#### Surrounding Land Use

A permanent residential development is located along Fire Route 88 and there is a small dwelling (Trailer) in the centre of the Subject Property. Otherwise, lands surrounding the Subject Property are predominantly undeveloped natural lands designated as Rural (RU) or Shoreline (SR) (Schedule A2 – Havelock-Belmont-Methuen Land Use Plan).

#### Designated Areas

Reviews of (1) the Township of Havelock-Belmont-Methuen's Official Plan, (2) the County of Peterborough's Official Plan Schedules, and (3) the MNRF's natural heritage / resources maps obtained through the Ministry's Land Information Ontario (LIO) database, were completed to identify the presence or absence of any Valued Ecosystem Components (VECs) such as local, provincial and federally Designated Areas (DAs). DAs include lands covered under the Provincial Policy Statement (2014) as well as other natural heritage features of local or federal interest including Federal Parks, Environmental Sensitive Landscapes or Areas (ESAs, ESLs), such as significant woodlands, locally significant wetlands or otherwise natural heritage feature identified for conservation.

Furthermore, Wills sent out a formal information request to the Ministry of Natural Resources and Forestry (MNRF) to obtain additional data records with reference to restricted Species at Risk (SAR), Significant Wildlife Habitat (SWH) or other data records on file concerning lands and watercourses within the Study Area (see **Appendix C - Records of Correspondence** for details).

A summary of the results of the database searches and agency correspondence is outlined below with reference to Designated Areas:

### **Areas of Natural and Scientific Interest (ANSI)**

No ANSIs were identified on or adjacent to the Subject Property.

### **Significant Wildlife Habitat (SWH)**

The Subject Property contains a Stratum 1 Deer Yard (core wintering area) and has potential for Ebony Boghaunter (S2) habitat. There are also woodlands on the property that may be considered to be significant. The Subject Property is also adjacent to the Peterborough Crown Game Preserve.

See **Section 5.2** for further discussion regarding SWH based on the results of the assessment.

### **Provincially Significant Wetlands (PSWs)**

Portions of the Brooks and Sheep's Bay Wetland Complex and Jack Lake Provincially Significant Wetland (PSW) are located on the Subject Property (See Constraints and Opportunities Map in **Appendix C**). After on site investigations, it was determined that the PSW borders the gravel road, as well as, the raised areas where the trailer and small dwelling are located.

### **Locally Significant Natural Heritage Features**

No locally significant natural heritage features were identified on or directly adjacent to the Subject Property, through agency correspondence or the background review.

### **Fish Habitat**

The property contains two (2) permanent streams and is adjacent to Jack Lake, which is known to include warm and cold water species including: Largemouth Bass, Muskellunge, Pumpkinseed, Smallmouth Bass, Walleye, White Sucker, Yellow Perch, Cisco, Bluegill, Lake Trout, and Black Crappie (MNRF Fish On-line, 2017). In addition, the wetlands are likely to contain fish habitat.

### **Woodlands**

There are woodlands on the property that have to the potential to be significant.

### **Other Wetlands**

No other wetlands (e.g. unevaluated wetland features) were identified on the Subject Property based on LIO mapping data (MNRF Natural Heritage Areas database). A copy of the MNRF data map is located in **Appendix A – Supporting Documents**.

## 4.0 Existing Conditions

### Biophysical Environment

#### 4.1.1 Topography

Topography across the Subject Property is fairly consistent at 279 – 280 metres above sea level (masl). The road and small dwelling are located in the higher topographical area as a result of fill placement.

#### 4.1.2 Surface Drainage

Given the consistent topography, surface drainage is anticipated to be fairly stable throughout the Subject Property. No pooling or otherwise surface waters were observed on the Subject Property outside of those associated with the wetland. No erosion rills or otherwise preferential pathways were observed on the filled area or road at the time of the site investigation. Two (2) creeks run through the Subject Property resulting in drainage to the east and south sides.

#### 4.1.3 Hydrogeology

Detailed hydrogeological investigations have not been conducted on the Subject Property at this time. A soil auger was taken northwest of the proposed development (1m below ground surface, bgs) which encountered the water table. The soil was a Minerotrophic substrate consisting of sand, organic/detritus, and trace silt.

### Ecological Features

#### 4.1.4 Field Investigations

A field investigation took place on October 14, 2016 and again on October 11, 2017 to evaluate existing ecological conditions within the Study Area. The field investigation included the following surveys:

- Existing habitat conditions including vascular plant inventories.
- Incidental wildlife and wildlife habitat observations (auditory, visual, tracks, scat, burrows, nests, etc.) throughout the Study Area.
- Wetland boundary delineation.

A photographic record of the field investigation is located in **Appendix D**.

## 4.2 Wildlife

### 4.1.5 Mammalian Fauna

Representative mammalian fauna within Ecoregion 5E include Little Brown Bat (*Myotis lucifugus*), American Black Bear (*Ursus americanus*), Moose (*Alces alces*), Fisher (*Martes pennanti*), North American River Otter (*Lontra canadensis*), and Beaver (*Castor canadensis*) (Crins et al, 2009).

Observations of mammalian fauna throughout the field investigations included: White-tailed Deer (*Odocoileus virginianus*), Eastern Chipmunk (*Tamias striatus*) and Red Squirrel (*Sciurus vulgaris*). If present, local Moose (*Alces alces*) and Black Bear (*Ursus americanus*) populations are likely to use portions of the Subject Property.

### 4.1.6 Avifauna

The Ontario Breeding Birds Atlas was also accessed (December, 2016). Wills' biologists determined that the 10 km square grid identified in the atlas as 17QK35 returned a listing of 179 species. Of the 179 species, breeding records have been confirmed for sixty (60) species while the remaining included thirty-eight (38) identified as probable breeders and eighty-one (81) possible breeders. Of the SAR for this region, the following table identifies breeding category and description of breeding activities.

**Table 1– OBBA Database Records Summary**

Species	Breeding Category	Breeding Activity
Bobolink	Not identified	Not identified
Cerulean Warbler	Not identified	Not identified
Eastern Meadowlark	Not identified	Not identified
Henslow's Sparrow	Not Observed	Not Observed
Least Bittern	Not identified	Not identified
Loggerhead Shrike	Not identified	Not identified
Eastern Whip-poor-will	Probable	Permanent territory presumed through registration of territorial song, or the occurrence of an adult bird, at the same place, in breeding habitat, on at least two (2) days a week or more apart, during its breeding season. Use discretion when using this code.

See **Appendix E** for a full list of E-birds and atlas of breeding birds of Ontario search results.

Wills biologists accessed the online E-birds Canada database to perform a search of bird observations recorded in close proximity to the study area. The closest area of bird observations recorded was Aspley - Jack Lake Road Bog, located approximately 3 km north of the Study Area. Observations of fifty-seven (57) species were recorded with the most recent sightings of each species ranging from February 2012 to December 2015. Of SAR for this region, no observations were recorded in the data reviewed.



A review of the Species at Risk Public Registry database managed by the MNRF identified eleven (11) SAR avifauna occurrences within the Peterborough Region. The MNRF was contacted to confirm occurrences and provide any restricted records for the Study Area. An additional two (2) species were added to the list, see correspondence records located in **Appendix C – Records of Correspondence** for details. **Table 2** below summarizes the results of the review of the MNRF Avifauna Database.

**Table 2 – MNRF Avifauna Database Records Summary**

Common Name	Scientific Name	SARO Status
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Special Concern
Black Tern	<i>Chlidonias niger</i>	Special Concern
Bobolink	<i>Dolichonyx oryzivorus</i>	<b>Threatened</b>
Cerulean Warbler	<i>Setophaga cerulea</i>	<b>Threatened</b>
Eastern Meadowlark	<i>Sturnella magna</i>	<b>Threatened</b>
Eastern Whip-poor-will*	<i>Caprimulgus vociferus</i>	<b>Threatened</b>
Henslow's Sparrow	<i>Ammodramus henslowii</i>	Endangered
Least Bittern	<i>Ixobrychus exilis</i>	<b>Threatened</b>
Louisiana Waterthrush	<i>Parkesia motacilla</i>	Special Concern
Loggerhead Shrike	<i>Lanius ludovicianus</i>	<b>Endangered</b>
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	Special Concern
Wood Thrush*	<i>Hylocichla mustelina</i>	Special Concern
Eastern Wood Pewee*	<i>Contopus virens</i>	Special Concern

\*Species listed in direct correspondence letter (MNRF, 2017; see **Appendix C** for correspondence records)

All species of conservation concern identified from (1) the MNRF Species at Risk Public Registry for the Peterborough region (2) Land Information Ontario Natural Heritage Areas database (formerly operated under the Natural Heritage Information Centre), (3) additional species records provided directly by the MNRF, and (4) any other SAR species identified through other data sources (Ebirds and OBBA atlases), were included in the SAR Screening Assessment (see **Table 5** for details).

#### 4.1.7 Herpetofauna

Herpetofauna, known to occur throughout Ecoregion 5E, includes species such as Redspotted Newt (*Notophthalmus viridescens*), Northern Two-lined Salamander (*Eurycea bislineata*), Four-toed Salamander (*Hemidactylium scutatum*), Gray Treefrog (*Hyla versicolor*), Pickerel Frog (*Lithobates palustris*), American Bullfrog (*Lithobates catesbeianus*), Snapping Turtle (*Chelydra serpentina*), Smooth Greensnake (*Opheodrys vernalis*), and Northern Ring-necked Snake (*Diadophis punctatus*) (Crins et al, 2009).

Wills' biologists accessed the Ontario Reptile and Amphibians Atlas (September, 2017) to perform a search of reptile and amphibian observations recorded within the 10 km<sup>2</sup> grid. The search resulted in 149 recorded observations including twenty-six (26) species.



Of the twenty-six (26) species observations, six (6) records of species of conservation concern were noted as outlined in **Table 3**. See **Table B3 – Biological Inventory Data** located in **Appendix E** for full detailed data records).

**Table 3 – Ontario Reptile and Amphibians Atlas Database Records Summary**

#	Common Name	Scientific Name	Most Recent Observation	Habitat Covered Under SARO
1	Five-lined Skink	<i>Plestiodon fasciatus</i>	2012	NO
2	<b>Eastern Hog-nosed Snake</b>	<b><i>Heterodon platirhinos</i></b>	<b>1979</b>	<b>YES</b>
3	Eastern Ribbonsnake	<i>Thamnophis sauritus</i>	1989	NO
4	Snapping Turtle	<i>Chelydra serpentina</i>	2017	NO
5	<b>Blanding's Turtle</b>	<b><i>Emydoidea blandingii</i></b>	<b>2014</b>	<b>YES</b>
6	Northern Map Turtle	<i>Graptemys geographica</i>	1952	NO

A review of the Species at Risk Public Registry database managed by the MNRF identified six (6) SAR herpetofauna occurrences within the Peterborough Region. The MNRF was contacted to confirm occurrences and provide any restricted records for the Study Area. An additional species was added to the list, see correspondence records located in **Appendix C – Records of Correspondence** for details. Table 4 below summarizes the results of the review of the MNRF Herpetofauna Database.

**Table 4– MNRF Herpetofauna Database Records Summary**

#	Common Name	Scientific Name	Public Registry	Direct Correspondence
1	Eastern Musk Turtle	<i>Sternotherus odoratus</i>	X	-
2	Five-lined Skink	<i>Plestiodon inexpectatus</i>	X	-
3	Eastern Hog-nosed Snake	<i>Heterodon platirhinos</i>	-	X
6	Eastern Ribbonsnake	<i>Thamnophis sauritus</i>	X	-
7	Snapping Turtle	<i>Chelydra serpentina</i>	X	X
8	Blanding's Turtle	<i>Emydoidea blandingii</i>	X	X
9	Northern Map Turtle	<i>Graptemys geographica</i>	X	-

## 5.0 Determination of Significance

A review of the MNR's Natural Heritage Information Centre (NHIC) database was conducted to determine the presence or absence of any Designated Areas (DA) such as local, provincial and federally designated significant natural heritage features. These Valued Ecosystem Components include a review of lands covered under the Greenbelt Act (2005, as amended), lands covered under the Provincial Policy Statement (2014), as well as other natural features, such as woodlands and wetland features.

### 5.1 Designated Areas

One DA is located on the Subject Property:

- (1) A Provincially Significant Wetland (PSW) transects the Subject Property. A small portion of the wetland is located on the west portion of the Study Area and a larger area of wetland covers the south and southwest. (See map located in **Appendix A – Supporting Documents** for details).

### 5.2 Significant Wildlife Habitat (SWH)

In accordance with the Provincial Policy Statement (2014) and the MNR's Significant Wildlife Habitat Technical Guide (2000), Significant Wildlife Habitat (SWH) is generally defined as areas where wild mammals, birds, reptiles, amphibians, fishes, invertebrates, plants, fungi, algae, bacteria and / or other wild organisms live, and find adequate amounts of food, water, shelter, and space needed to sustain their populations and where areas are considered ecologically important in terms of features, functions, representation or amount, and contributing to the quality and diversity of an identifiable geographic area or Natural Heritage System. Specific wildlife habitats of concern may include areas where species concentrate at a vulnerable point in their annual or life cycle; rare or specialized habitat for wildlife; habitats of species of conservation concern and; animal movement corridors.

Based on the results of on-site field investigations and background review, SWH meeting the criteria defined in the MNR's Significant Wildlife Habitat Technical Guide may be present within the Study Area as deer wintering habitat and habitat for Ebony Boghaunter (S2) as identified through MNR correspondence. Please refer to the Statement of Limitations located in **Appendix B – Statement of Limitations** regarding limitations associated with field data collection.

### 5.3 Species at Risk

The status of species within Ontario is determined by the Committee on the Status of Species at Risk in Ontario (COSSARO), which is an independent body that classifies native flora and fauna. The four (4) categories of conservation concern include:

- Extirpated: no longer lives within a certain region of Ontario, although still lives somewhere in the world.
- Endangered: lives in the wild in Ontario but is facing imminent extinction or extirpation.
- Threatened: lives in the wild in Ontario, is not endangered, but is likely to become endangered if steps are not taken to address factors threatening it.
- Special Concern: lives in the wild in Ontario, is not Endangered or Threatened, but may become Threatened or Endangered due to a combination of biological characteristics and identified threats.

Habitat for Endangered or Threatened species is protected under the Endangered Species Act (ESA, 2007).

All species of conservation concern identified from (1) 2017 field investigations, (2) the MNRF Species at Risk Public Registry for the Peterborough region (3) Land Information Ontario Natural Heritage Areas database (formerly operated under the Natural Heritage Information Centre), (4) additional species records provided directly by the MNRF, and (5) any other SAR species identified through other data sources (e.g. herpetofauna atlases) were included in the SAR Screening Assessment to evaluate known occurrences within the area against specific local habitat features identified within the Study Area to determine whether the Project will come into conflict with the ESA, 2007 (see **Table 5 – Species at Risk (SAR) Screening Assessment** for details).

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Barn Swallow ( <i>Hirundo rustica</i> )	Threatened	Threatened	No Status	<p>Barn Swallows often live in close association with humans, building their cup-shaped mud nests almost exclusively on human-made structures such as open barns, under bridges and in culverts.</p> <p>The species is attracted to open structures that include ledges where they can build their nests, which are often re-used from year to year.</p> <p>They prefer unpainted, rough-cut wood, since the mud does not adhere as well to smooth surfaces.</p>	Low/ Negligible	No Barn Swallows or nests were observed on site during the field visit. Habitat requirements for Barn Swallows were limited on the Subject Property with only one small permanent structure being present.
Black Tern ( <i>Chlidonias niger</i> )	Special Concern	Not at Risk	Not listed	Nests on inland marsh complexes, ponds, mouths of rivers and shores of large lakes.	Medium	No Black Terns were observed at the time of the site investigations. However, habitat requirements are present on site.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Bobolink ( <i>Dolichonyx oryzivorus</i> )	Threatened	Threatened	Not listed	Bobolink prefers tall grass prairies, but is also known to nest in forage crops (e.g. hayfields and pastures dominated by a variety of species such as clover, Timothy, Kentucky Bluegrass, and broadleaved plants).	Low/ Negligible	No Bobolinks were observed on site during field investigations. Habitat requirements not present.
Eastern Meadowlark ( <i>Sturnella magna</i> )	Threatened	Threatened	Not listed	Native grasslands, pastures and savannahs. Eastern meadowlark also uses a wide variety of other anthropogenic grassland habitats, including hayfields, weedy meadows, young orchards, golf courses, restored surface mines, grassy roadside verges, young oak plantations, grain fields, herbaceous fencerows, and grassy airfields. Eastern Meadowlarks occasionally nest in crop fields such as corn and soybean, but these crops are considered low-quality habitat.	Low/ Negligible	No Eastern Meadowlarks were observed on site during field investigations. Habitat requirements not present.



**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Henslow's Sparrow ( <i>Ammodramus henslowii</i> )	Endangered	Endangered	Endangered	The Henslow's Sparrow is a grassland-obligate bird; in Ontario, Henslow's Sparrow colonies have been located in abandoned fields, ungrazed and lightly grazed pasture, fallow hayfields with high clover and alfalfa content, grassy swales in open farmland, wet meadows, infrequently mowed fields, and recent reports of colonies located in tallgrass prairie systems in southwestern Ontario.	Low/ Negligible	No Henslow's Sparrows were observed on site during field investigations. Habitat requirements not present.
Least Bittern ( <i>Ixobrychus exilis</i> )	Threatened	Threatened	Threatened	Least Bitterns preferentially breed in marshes with tall emergent vegetation (usually cattails, <i>Typha</i> spp.), relatively stable water levels (less than 1 m, and usually 10-50 cm), and about 50% open water interspersed in small pockets throughout the vegetated areas ("hemimarsch").	Medium	No Least Bitterns were observed at the time of the site investigations. However, habitat requirements are present on site.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Loggerhead Shrike ( <i>Lanius ludovicianus</i> )	Endangered	Endangered	Endangered	Loggerhead Shrike prefer habits with open ranges (grasslands and shrublands) with occasional trees and shrubs that provide nesting sites and perches from which to hunt. This species uses grazing areas where the grass is short.	Low/ Negligible	No Loggerhead Shrikes were observed on site during field investigations. Habitat requirements not present.
Yellow Rail	Special Concern	Special Concern	Special Concern	Yellow Rails are secretive birds and live deep in the reeds, sedges, and marshes of shallow wetlands, where they nest on the ground. The marshy areas used by Yellow Rails have an overlying dry mat of dead vegetation that is used to make roofs for nests.	Medium	No Loggerhead Shrikes were observed at the time of the site investigations. However, habitat requirements are present on site.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Red-headed Wood-pecker ( <i>Melanerpes erythrocephalus</i> )	Special Concern	Threatened	Threatened	The Red-headed Woodpecker occupies a variety of habitats, including oak and beech forests, flood plain forests, grasslands, forest edges, orchards, pastures, riparian forests, roadsides, urban parks, and beaver ponds. The open areas where this species breeds tend to contain a high density of dead trees that can be used for nesting and perching	Low/Medium	No Red-headed Woodpeckers were observed at the time of the site investigations. However, there is minimal habitat requirements present on site with there being suitable snags. Evidence of wood peckers was found during field investigations.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Eastern Whip-poor-will ( <i>Caprimulgus vociferous</i> )	Threatened	Threatened	Threatened	Whip-poor-will breeding habitat is not dependent upon species composition, but rather on forest structure. The species shuns both wide-open spaces and dense forest. Common habitat choices include rock or sand barrens with scattered trees, savannahs, old burns or other disturbed sites in a state of early to mid-forest succession, or open conifer plantations. Accordingly, pine (barrens and plantations), oak (barrens and savannahs), and aspen and birch (early to mid-succession) are common tree species associations.	Low	No Eastern Whip-poor-wills were observed at the time of the site investigations. Habitat requirements are extremely limited and tree composition is not preferable.
Eastern Wood-pewee ( <i>Contopus virens</i> )	Special Concern	Special Concern	No Status	The eastern wood-pewee lives in the mid-canopy layer of forest clearings and edges of deciduous and mixed forests. It is most abundant in intermediate-age mature forest stands with little understory vegetation.	Medium/Low	No Eastern Wood-peewees were observed at the time of the site investigations. Habitat requirements are present, however, very limited.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Wood Thrush ( <i>Hylocichla mustelina</i> )	Special Concern	Threatened	No Status	The wood thrush lives in mature deciduous and mixed (conifer-deciduous) forests. They seek moist stands of trees with well-developed undergrowth and tall trees for singing perches. These birds prefer large forests, but will also use smaller stands of trees. They build their nests in living saplings, trees or shrubs, usually in sugar maple or American beech.	Medium/Low	No Wood Thrushes were observed at the time of the site investigations. Habitat requirements are present, however, very limited.
Eastern Small-footed Myotis ( <i>Myotis leibii</i> )	Endangered	Endangered	Endangered	The Eastern Small-footed bats will roost in a variety of habitats, including in or under rocks, in rock outcrops, in buildings, under bridges, or in caves, mines, or hollow trees. At night, they hunt for insects to eat, including beetles, mosquitos, moths, and flies. In the winter, these bats hibernate, most often in caves and abandoned mines.	Low	Habitat requirements for Eastern Small-footed bats are low in the assessed area. Some hollow trees/snags were observed but not in large numbers.



**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Little Brown Myotis ( <i>Myotis lucifugus</i> )	Endangered	Endangered	Endangered	During the day they roost in trees and buildings. They often select attics, abandoned buildings and barns for summer colonies where they can raise their young. Little brown bats hibernate from October or November to March or April, most often in caves or abandoned mines that are humid and remain above freezing	Low/Negligible	Habitat requirements not present.
Northern Myotis ( <i>Myotis septentrionalis</i> )	Endangered	Endangered	Endangered	Northern Myotis are associated with boreal forests, choosing to roost under loose bark and in the cavities of trees. These bats hibernate from October or November to March or April, most often in caves or abandoned mines	Low	Habitat requirements Northern Myotis are low in the assessed area.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Tri-colored Bat <i>(Perimyotis subflavus)</i>	Endangered	Endangered	Endangered	The Tri-colored Bat is found in a variety of forested habitats. It forms day roosts and maternity colonies in older forest and occasionally in barns or other structures. They forage over water and along streams in the forest. Tri-colored Bats eat flying insects and spiders gleaned from webs. At the end of the summer they travel to a location where they swarm; it is generally near the cave or underground location where they will overwinter. They overwinter in caves where they typically roost by themselves rather than part of a group.	Low/Medium	Overwintering habitat is not present for the Tri-colored bat, however, they may be found roosting or foraging in the surrounding forest/wetland area.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Eastern Hog-nosed Snake ( <i>Heterodon platirhinos</i> )	Endangered	Threatened	Threatened	The Eastern Hog-nosed Snake specializes in hunting and eating toads, and usually only occurs where toads can be found. Eastern Hog-nosed Snakes prefer sandy, well-drained habitats such as beaches and dry forests where they can lay their eggs and hibernate. They use their up-turned snout to dig burrows below the frost line in the sand where eggs are deposited.	Low/Negligible	Habitat requirements not present.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Common Five-lined Skink ( <i>Plestiodon fasciatus</i> )	Special Concern (Great Lakes/St. Lawrence Population)	Special Concern	Special Concern	The Common Five-lined Skink is largely limited to the southern edge of the Canadian Shield. Within this area, they are generally restricted to rocky outcrops in an area of mixed coniferous or deciduous forest (Howes and Lougheed 2004). The presence of loose cover rocks on the exposed bedrock was the most important variable in predicting the presence of Common Five-lined Skinks (Howes and Lougheed 2004). In general, Common Five-lined Skinks selected rocks that were longer than average (55.2 ± 2.1 cm) and in more open areas than randomly selected areas (Quirt et al. 2006). Additionally, rocks on a bedrock substrate were commonly used. This species has also been found to be associated with permanent or temporary sources of water, including ponds, streams or even temporary pools in rock outcrops (Lang 1982).	Low	Habitat requirements limited but there is potential to be found in the streams/ponds surrounding the Proposed Development site. Very few rocks/rock piles observed were observed on site.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Eastern Ribbon-snake ( <i>Thamnophis sauritus</i> )	Special Concern	Special Concern	Special Concern	<p>Eastern Ribbonsnakes are semi-aquatic and found in a variety of wetland habitats with both flowing and standing water including marshes, bogs, fens, ponds, lake shorelines and wet meadows (Behler and King 1979; Ernst and Barbour 1989). They are sometimes found in vernal pools and moist woods (Conant 1938).</p> <p>Eastern Ribbonsnakes have been reported or suspected of overwintering in a variety of sites such as dens in grassy pastures (Rossman et al. 1996), ant mounds, vole tunnels and crayfish burrows (Carpenter 1953), Muskrat (<i>Ondatra zibethicus</i>) lodges (Ernst and Barbour 1989), and underground tunnels at rocky forested sites (NS Ribbonsnake Recovery Team 2011) and rocky areas at wetland peripheries.</p>	Medium	Habitat requirements not present on the Proposed Development, however, there is potential habitat within the surrounding wetland complexes.



**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
<b>Blanding's Turtle</b> <i>(Emydoidea blandingii)</i>	Threatened	Threatened	Threatened	The Blanding's Turtle is a largely aquatic turtle that occurs in a variety of wetland habitats including lakes, permanent ponds, temporary ponds, slow flowing brooks, creeks, marshes, river sloughs, marshy meadows, man-made channels, farm fields, coastal areas and the bays of Lake Erie. In general, the preferred wetlands occupied by the Blanding's Turtle are eutrophic, and are characterized by shallow water with an organic substrate and high density of aquatic vegetation. Terrestrial habitat is also important, as these turtles will travel overland more than 2.5 km to nest, and will nest up to 410m from the nearest water source. Terrestrial habitat is generally upland wooded areas, consisting of mixed deciduous or coniferous forest.	Medium	The surrounding wetlands have the potential for Blanding's Turtle's to inhabit. There is also upland habitat adjacent to the wetlands which would provide good nesting habitat.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Eastern Musk Turtle ( <i>Sternotherus odoratus</i> )	Threatened	Special Concern	Threatened	This species is highly aquatic and can occupy any shallow water body with a slow current and soft substrate. In Canada, they have been found in lakes, streams, marshes, ponds and rivers. This species prefers shallow water (depth < 2m) with abundant floating and submerged vegetation (Mahmoud 1969; Chabot and St-Hilaire 1991; Edmonds 1998; Carrière 2007; Belleau 2008; Lavery 2010; Picard et al. 2011).	Medium	No Eastern Musk Turtles were observed, however, there is sufficient habitat for them to be present.
Snapping Turtle ( <i>Chelydra serpentina</i> )	Special Concern	Scarce	Special Concern	Slow-moving water with a soft mud bottom and dense aquatic vegetation. Established populations are most often located in ponds, sloughs, shallow bays or river edges and slow streams, or areas combining several types of wetland habitat (Harding 1997).	Medium	No Snapping Turtles were observed, however, there is sufficient habitat for them to be present.

**Table 5 – Species at Risk (SAR) Screening Assessment**

Species	Ontario Status	COSEWIC Status	Federal SARA Status	Habitat Requirements	Likelihood of Occurrence	Site Area Suitability/Observations
Rusty-patched Bumble Bee	Endangered	Endangered	Endangered	This species, like other bumble bees, can be found in open habitat such as mixed farmland, urban settings, savannah, open woods and sand dunes. The most recent sightings have been in oak savannah, which contains both woodland and grassland flora and fauna.	Low	Very limited habitat for the presence of Rusty-patched Bumble Bees.

## 6.0 Conclusions and Recommendations

Given the results of on-site investigations and background reviews, adverse impacts to natural heritage features, specifically the Brooks and Sheep's Bay PSW, are anticipated to result from proposed development activities. The Subject Property is entirely surrounded by the Brooks and Sheep's Bay PSW and under Provincial and Local Policy, a 120 m buffer is required. If Wills were to propose a wetland buffer of 30 m, as is required for non Provincially Significant Wetlands, this would still encompass the entirety of the proposed development location. If development at the Project location were to proceed, it is anticipated that a wetland compensation plan would be required to offset impacts to the existing wetland feature.

Further investigations including a detailed impact assessment for breeding birds, amphibians, and fisheries would likely be required in addition to the development of a wetland compensation plan. However, this would be determined by the District MNRF.

In summary, Wills is of the opinion that there is not a sufficient building envelope to support a single unit housing development. Further investigations and a wetland compensation plan may result in approval to develop a storage area or outbuilding without septic services.

Respectfully submitted,



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Environmental Biologist



Tyler Jones, Hons B.Sc.  
Environmental Specialist

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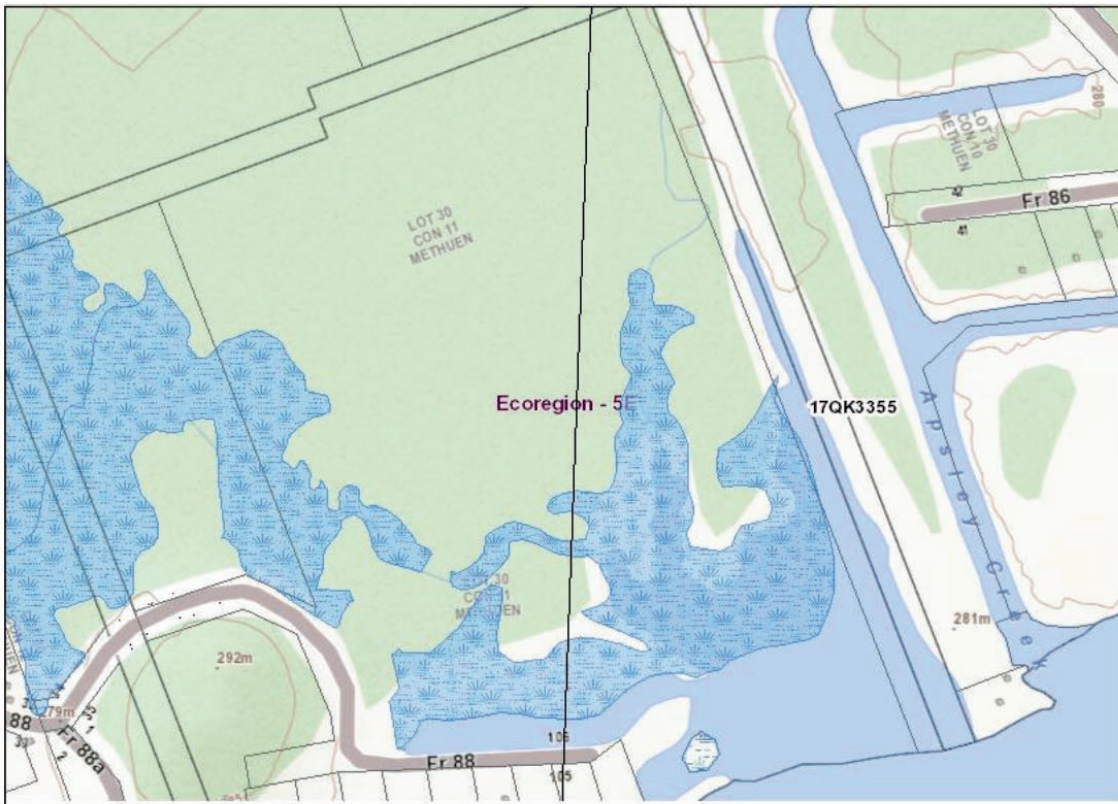
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# Appendix A

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Supporting Documents



0.2 0 0.11 0.2 Kilometers

Scale: 1 : 4,513

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry (OMNRF) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

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### Legend

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion
- Wetland**
  - Provincially Significant Wetland Evaluated
  - Non-Provincially Significant Wetland Evaluated
  - Unevaluated Wetland
- Area of Natural Heritage & Scientific Interest (ANSI)**
  - Provincially Significant Life Science ANSI
  - Provincially Significant Earth Science ANSI
- Greenbelt Plan**
  - Boundary
  - River Valley Corridors
- Land Use Designations**
  - Protected Countryside
  - Towns and Villages
  - Hamlets
  - Urban River Valley
  - Specialty Crop Area
- Niagara Escarpment Plan (NEP)**
  - Boundary
  - Parks and Open Space System
  - Land Use Designations
    - Escarpment Natural Area
    - Escarpment Protection Area
    - Escarpment Rural Area
    - Mineral Resource Extraction Area
    - Escarpment Recreation Area
    - Urban Area
    - Minor Urban Centre
- Oak Ridges Moraine Conservation Plan (ORM)**
  - Boundary
  - Land Use Designations
    - Natural Core Area
    - Natural Linkage Area
    - Countryside Area
    - Rural Settlement
    - Polynesian Estates Residential Community
    - Settlement Area

**Constraints and Opportunities Maps**  
 Environmental Impact Study  
 Parts of Lots 30 and 31, Concession 11,  
 Havelock-Belmont-Methuen Township

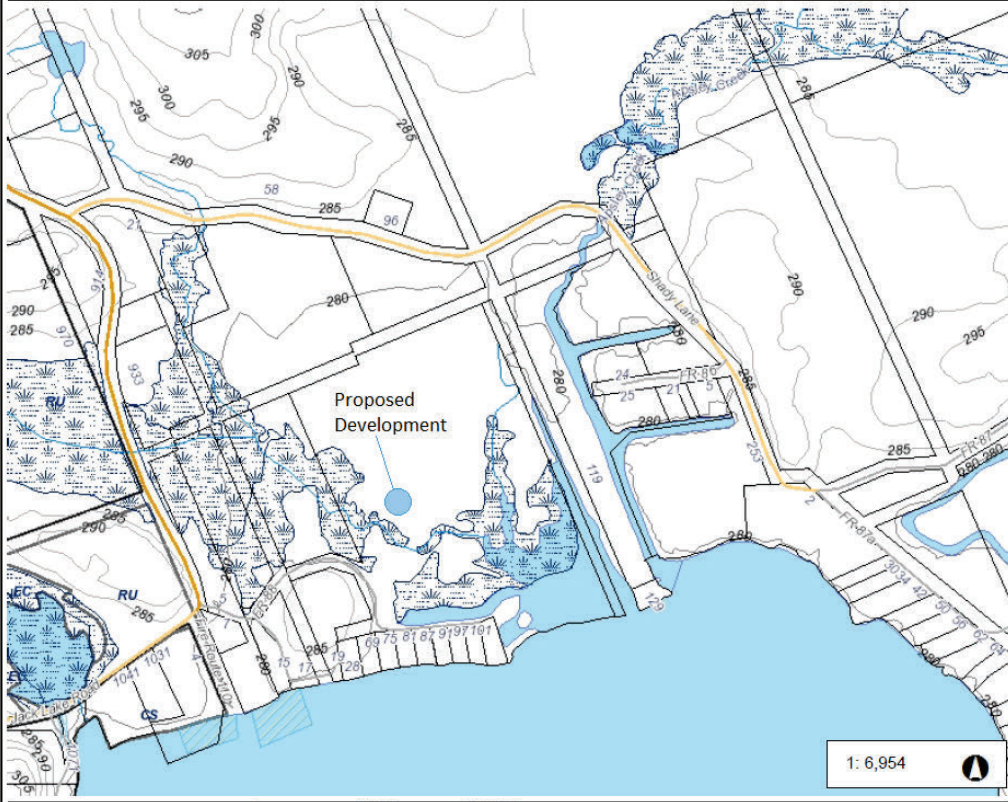


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Drawn By	SF	Scale	See Scale Bar
Checked	TJ	Date	Jan 2018
Project No.	7213	Drawing File No.	



# County of Peterborough



- Legend**
- Heritage
  - Non\_Heritage
  - ▭ Additional Resources
  - ▭ Cultural Industries
  - ▭ Cultural Occupations
  - ▭ Cultural Organizations
  - ▭ Facilities and Spaces
  - ▭ Festivals and Events
  - Roads < 50,000
    - PRIV ; Private; PRIV
    - City Arterial
    - City Collector and Local
    - City Owned Unclassified
    - Provincial
    - County
    - Township
    - Water Access Only
  - Outside Roads < 50,000
    - Major Roads
    - Local Roads
  - Civic Address
  - ▭ Parcel Fabric
  - ▭ County Forest
  - ▭ Crown Land Non-Freehold Dis
  - Rivers
    - Intermittent
    - Permanent
  - contours5\_Feb2012

**Notes**

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
 THIS MAP IS NOT TO BE USED FOR NAVIGATION

353.3 0 176.63 353.3 Meters

NAD83\_CSRS98\_UTM\_zone\_17N  
 © Latitude Geographics Group Ltd.



**LEGEND & NOTES**

- DEED ..... DENOTES DEED NO. P50782
- DEED ..... DENOTES DEED NO. P418552
- PLAN ..... DENOTES PLAN 408-2618
- PLAN ..... DENOTES PLAN 45R-0485
- OWC ..... DENOTES PLAN BY G.W. ELLIOTT O.L.S. DATED 01 APRIL 1963, REVISED 28 MAY 1965.
- MAP ..... DENOTES PLAN BY BENINGER SURVEYING LTD. DATED 22 MAY 1965.

**SKETCH**

OF PART OF LOTS 30 AND 31  
 CONCESSION 11  
 GEOGRAPHIC TOWNSHIP OF METHUEN  
 TOWNSHIP OF HAVELOCK-BELMONT-METHUEN  
 COUNTY OF PETERBOROUGH

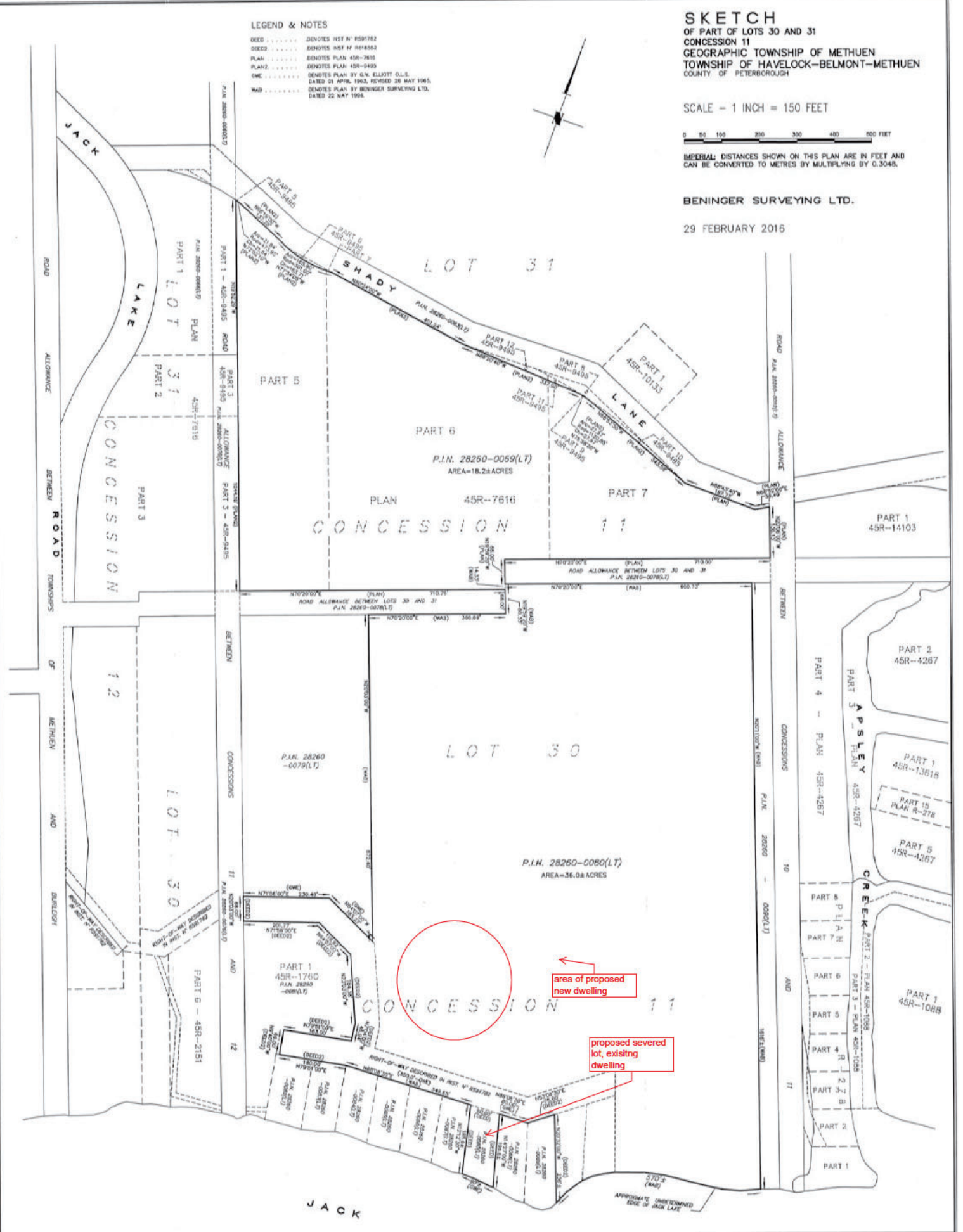
SCALE - 1 INCH = 150 FEET



METRIAL DISTANCES SHOWN ON THIS PLAN ARE IN FEET AND CAN BE CONVERTED TO METRES BY MULTIPLYING BY 0.3048.

**BENINGER SURVEYING LTD.**

29 FEBRUARY 2016



**BENINGER SURVEYING LTD.**  
 211 SHERBROOKE STREET  
 P.O. BOX 1115  
 PETERBOROUGH, ONTARIO  
 K9J 7H4  
 TEL: 705-743-3070  
 FAX: 705-743-8634  
 JOB 27180  
 FILE METHUEN 24

## **Appendix B**

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### **Statement of Limitations**



## Statement of Limitations

This report is provided solely for the benefit of Mr. Kevin Duguay and not for the benefit of any other party. No other party shall be entitled to rely on this report or any information, documents, records, data, interpretations, advice or opinions or other materials given to Mr. Wells by Wills. The report relates solely to the specific project for which Wills has been retained and shall not be used or relied upon by any third party for any variation or extension of this project or any other purpose. Any unpermitted use by any third party shall be at such party's own risk.

The conclusions and recommendations outlined in the Environmental Impact Assessment are based on the results and findings associated with the scope of field investigations as outlined in **Section 4.0** of this report, as they relate to The Project, as described in **Section 1.0** and as depicted in **Figure 1** including the location of existing gravel access road and the Proposed Development Location.

## **Appendix C**

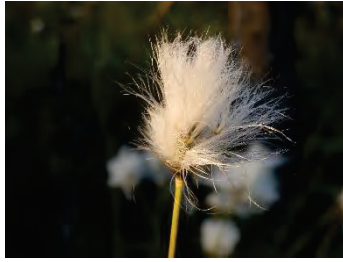
---

**Records of Correspondence**

# Brooks and Sheep's Bay Wetland Complex, Jack Lake

An OWES evaluation

August, 2016



*Location Information:*

Anstruther Township: Con 1, Lot 38  
Burleigh Township: Con 14, Lots 15 to 17; Con 15, Lots 14 to 22; Con 16, Lots 12 to 23  
Chandos Township: Con 2, Lots A to D and 1 to 2; Con 3, Lots A to D and 1 to 5; Con 4,  
Lots A to C, and 1 to 5  
Methuen Township: Con 8, Lot 32; Con 9, Lots 31 to 32; Con 10, Lots 28 to 32; Con 11,  
Lots 28 to 32; Con 12, Lots 28 to 32  
County of Peterborough

*Prepared for:*

Jack Lake Association  
Steven Kerr, Director - Environment  
Apsley, ON  
Email: [REDACTED]

*Produced by*



## Glenside Ecological Services Limited

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Minden, Ontario  
Canada K0M 2K0

Phone: 705-286-3181  
Fax: 705-286-6582  
Email: [pheaven@glenside-eco.ca](mailto:pheaven@glenside-eco.ca)  
Web: [www.glenside-eco.ca](http://www.glenside-eco.ca)

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1km177300496002013SCOOP; 1km177310495302013SCOOP; 1km177310495402013SCOOP;  
1km177310495502013SCOOP; 1km177310495602013SCOOP; 1km177310495702013SCOOP;  
1km177310495802013SCOOP; 1km177310495902013SCOOP; 1km177310496002013SCOOP;  
1km177310496102013SCOOP; 1km177310496202013SCOOP; 1km177320495302013SCOOP;  
1km177320495402013SCOOP; 1km177320495502013SCOOP; 1km177320495602013SCOOP;  
1km177320495702013SCOOP; 1km177320495802013SCOOP; 1km177320495902013SCOOP;  
1km177320496002013SCOOP; 1km177320496102013SCOOP; 1km177320496202013SCOOP;  
1km177330495302013SCOOP; 1km177330495402013SCOOP; 1km177330495502013SCOOP;  
1km177330495602013SCOOP; 1km177330495702013SCOOP; 1km177330495802013SCOOP;  
1km177330495902013SCOOP; 1km177330496002013SCOOP; 1km177330496102013SCOOP;  
1km177330496202013SCOOP; 1km177340495402013SCOOP; 1km177340495502013SCOOP;  
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1km177350495602013SCOOP; 1km177350495702013SCOOP; 1km177350495802013SCOOP;  
1km177350495902013SCOOP; 1km177350496002013SCOOP

- e. Ontario Base Map numbers & scale: OBM Index Numbers: 1017725049550; 1017730049600;  
1017730049550; 1017730049500; 1017735049600; 1017735049550

ix. Wetland Size:

*(circle appropriate category, a or b)*

- a. Single contiguous wetland area

Total wetland size =            hectares

- b. Wetland complexed comprised of 44 individual wetlands:

Wetland Unit No 1: =	23.11	hectares
Wetland Unit No 2: =	2.38	hectares
Wetland Unit No 3: =	3.79	hectares
Wetland Unit No 4: =	3.73	hectares
Wetland Unit No 5: =	9.61	hectares
Wetland Unit No 6: =	7.86	hectares
Wetland Unit No 7: =	4.49	hectares
Wetland Unit No 8: =	2.12	hectares
Wetland Unit No 9: =	5.47	hectares
Wetland Unit No 10: =	6.54	hectares
Wetland Unit No 11: =	2.86	hectares
Wetland Unit No 12: =	7.28	hectares
Wetland Unit No 13: =	15.00	hectares
Wetland Unit No 14: =	3.87	hectares
Wetland Unit No 15: =	4.57	hectares
Wetland Unit No 16: =	5.88	hectares
Wetland Unit No 17: =	3.04	hectares
Wetland Unit No 18: =	4.20	hectares
Wetland Unit No 19: =	49.69	hectares
Wetland Unit No 20: =	2.23	hectares
Wetland Unit No 21: =	51.39	hectares
Wetland Unit No 22: =	30.81	hectares



Wetland Unit No 23: =	19.26	hectares
Wetland Unit No 24: =	9.02	hectares
Wetland Unit No 25: =	2.28	hectares
Wetland Unit No 26: =	3.34	hectares
Wetland Unit No 27: =	18.17	hectares
Wetland Unit No 28: =	29.49	hectares
Wetland Unit No 29: =	3.55	hectares
Wetland Unit No 30: =	4.55	hectares
Wetland Unit No 31: =	15.97	hectares
Wetland Unit No 32: =	2.81	hectares
Wetland Unit No 33: =	5.70	hectares
Wetland Unit No 34: =	3.16	hectares
Wetland Unit No 35: =	2.15	hectares
Wetland Unit No 36: =	2.01	hectares
Wetland Unit No 37: =	11.29	hectares
Wetland Unit No 38: =	10.01	hectares
Wetland Unit No 39: =	3.63	hectares
Wetland Unit No 40: =	2.53	hectares
Wetland Unit No 41: =	8.39	hectares
Wetland Unit No 42: =	8.94	hectares
Wetland Unit No 43: =	2.10	hectares
Wetland Unit No 44: =	2.45	hectares

Total wetland size = 420.7 hectares (*add together size of each unit*)

Documentation requirements for evaluated wetland complex (attach additional sheet if necessary)

- A statement of rationale for identifying a wetland complex;
- A statement of rational for identifying any wetland complex less than 2 ha in total size;
- A statement of rational for any vegetation community less than 0.5 ha in size;
- Adherence to the wetland complexing rules (750m; “watershed” rule; lacustrine wetlands); and
- Written documentation for the reason for including wetland units smaller than 2 ha.

All wetlands are complexed in accordance with the OWES wetland complexing rules and are therefore within 750m of each other and in the same watershed. The complex extends from Jack Lake up into the surrounding watershed based on hydrological connectivity and contiguous habitat of identified Species at Risk. A break point was identified at Apsley Lake where the distance between wetland units >2ha exceeded 750m. No wetland units are less than 2 ha and no vegetation communities are less than 0.5 ha.



Vegetation Form	FA
h	0.05 (0.01 unverified)
c	0.20 (0.09 unverified)
dh	
dc	
ts	0.17 (0.10 unverified)
ls	0.05 (0.02 unverified)
ds	
gc	
m	
ne	0.16 (0.05 unverified)
be	
re	0.16 (0.05 unverified)
ff	
f	0.21 (0.14 unverified)
su	
u	





# 1.0 BIOLOGICAL COMPONENT

## 1.1 PRODUCTIVITY

### 1.1.1 Growing Degree-Days/Soils (max: 30 pts)

Refer to page 43 of manual for further explanation

- Determine the correct GDD value for your wetland (use Figure 5)
- Circle the appropriate GDD value from the evaluation table below
- Determine the Fractional Area (FA) of the wetland for each soil type.
- Multiply the fractional area of each soil type by the applicable score-factor in the evaluation table
- Sum the scores for each soil type to obtain the final score (maximum score is 30 points)

NOTE: In wetland complexes the evaluator should aim at determining the fractional area occupied by the categories for the complex as a whole

Growing Degree-Days	Clay-Loam	Silt - Marl	Lime-stone	Sand	Humic - Mesic	Fibric	Granite
	<1600	12	11	9	7	7	6
1600-2000	15	13	11	9	8	7	5
2000-2400	18	15	13	11	9	8	7
2400-2800	22	18	15	13	11	9	7
2800-3000	26	21	18	15	13	10	8
>3000	30	25	20	18	15	12	9

Soil Type	FA of wetland in soil type	Enter appropriate score-factor from above table		
Clay/Loam		X		=
Silt/Marl		X		=
Limestone		X		=
Sand	0.15	X	15	= 2.25
Humic/Mesic	0.35	X	13	= 4.55
Fibric	0.03	X	10	= 0.3
Granite		X		=
Total				7.1*

\*Glenside Note: Score limited to field verified wetland units and therefore fractional area does not equal 1. Score may be higher.

GDD/Soils Score (maximum 30 points)	<u>7</u>
-------------------------------------	----------



### 1.1.2 Wetland Type

(Fractional Areas = area of wetland type/total wetland area)

	Fractional Area		Score
Bog		x 3 =	
Fen	0.06	x 6 =	0.36
Swamp	0.43	x 8 =	3.44
Marsh	0.51	x 15 =	7.65
Total		=	11.45

Wetland Type Score (maximum 15 points) 11

### 1.1.3 Site Type

(Fractional Areas = area of site type/total wetland area)

	Fractional Area		Score
Isolate		x 1 =	
Palustrine (permanent or intermittent flow)	0.86	x 2 =	1.72
Riverine		x 4 =	
Riverine (at rivermouth)		x 5 =	
Lacustrine (at rivermouth)	0.05	x 5 =	0.25
Lacustrine (with barrier beach)		x 3 =	
Lacustrine (exposed to lake)	0.09	x 2 =	0.18
Total		=	2.15

Site Type Score (maximum 5 points) 2



## 1.2 BIODIVERSITY

### 1.2.1 Number of Wetland Type

(Check only one)

	One	=	9 points
	Two	=	13
X	Three	=	20
	Four	=	30

Number of Wetland Types Score (maximum 30 points) 20

### 1.2.2 Vegetation Communities

Use the data sheet provided in Appendix 4 to record and score vegetation communities (the completed form must be attached to this data record)

Scoring (circle only one option for each of the columns below):

Total # of communities with 1-3 forms		Total # of communities with 4-5 forms		Total # of communities with 6 or more forms				
1	=	1.5 pts	1	=	2 pts	1	=	3 pts
2	=	2.5	2	=	3.5	2	=	5
3	=	3.5	3	=	5	3	=	7
4	=	4.5	4	=	6.5	4	=	9
5	=	5	5	=	7.5	5	=	10.5
6	=	5.5	6	=	8.5	6	=	12
7	=	6	7	=	9.5	7	=	13.5
8	=	6.5	8	=	10.5	8	=	15
9	=	7	9	=	11.5	9	=	16.5
10	=	7.5	10	=	12.5	10	=	18
11	=	8	11	=	13	11	=	19
+ 0.5 for each additional community			+ 0.5 for each additional community			+ 0.5 for each additional community		
43	=	24	15	=	15	5	=	10.5

Vegetation Communities Score (maximum 45 points) 45\*

\*Glenside Note: For vegetation communities not verified in the field only vegetation forms visible in the aerial photography were scored. Therefore communities may be more complex and score may be higher



### 1.2.3 Diversity of Surrounding Habitat

Check all appropriate items. Only habitat within 1.5 km of the wetland boundary and at least 0.5 ha in size are to be scored.

	recent burn (<5yr)
	abandoned agricultural land
X	utility corridor
X	deciduous forest
	recent cutover or clearcut (<5yr)
X	coniferous forest
X	mixed forest*
	crops
	abandoned pits and quarries
X	pasture
	ravine
	fencerows
X	open lake or deep river
	creek floodplain
X	rock outcrop

\*"Mixed forest" is defined as either 25% coniferous trees distributed singly or in clumps in deciduous forest or 25% deciduous trees distributed singly or in clumps in coniferous forest. Note that Forest Resource Inventory (FRI) maps can be misleading since 25% conifer within a unit could be entirely concentrated around a lake.

Score 1 point for each feature checked, up to a maximum of 7 points.

Diversity of Surrounding Habitat Score (maximum 7 points)	<u>7</u>
--	----------

### 1.2.4 Proximity to Other Wetlands

Check highest appropriate category (Note: if the wetland is lacustrine, score option #1 at 8 points)

		Points
X	Hydrologically connected by surface water to other wetlands (different dominant wetland type), or to open lake or river within 1.5 km	8
	Hydrologically connected by surface water to other wetlands (same dominant wetland type) within 0.5 km	8
	Hydrologically connected by surface water to other wetlands (different dominant wetland type), or to open lake or river from 1.5 to 4 km away	5
	Hydrologically connected by surface water to other wetlands (same dominant wetland type) from 0.5 to 1.5 km away	5
	Within 0.75 km of other wetlands (different dominant wetland type) or open lake or river, but not hydrologically connected by surface water	5
	Within 1 km of other wetlands, but not hydrologically connected by surface water	2
	No wetland within 1 km	0

Name and distance (from wetland) of wetlands/waterbodies scored above:

Proximity to other Wetlands Score (maximum 8 points)	<u>8</u>
---	----------



### 1.2.5 Interspersion

Number of Intersections = 168

✓	Number of Intersections (check one only)	Points
	26 or less	= 3
	27 to 40	= 6
	41 to 60	= 9
	61 to 80	= 12
	81 to 100	= 15
	101 to 125	= 18
	126 to 150	= 21
X	151 to 175	= 24
	176 to 200	= 27
	>200	= 30

Interspersion Score (maximum 30 points) 24

### 1.2.6 Open Water Types

*NOTE: this attribute is only to be scored for permanently flooded open water within the wetland (adjacent lakes do not count). Check one option only.*

	Open Water Type	Characteristic	Points
	Type 1	Open water occupies < 5 % of wetland area	= 8
	Type 2	Open water occupies 5-25% of wetland (occurring in central area)	= 8
X	Type 3	Open water occupies 5-25% (occurring in various-sized ponds, dense patches of vegetation or vegetation in diffuse stands)	= 14
	Type 4	Open water occupies 26-75% of wetland (occurring in a central area)	= 20
	Type 5	Open water occupies 26-75% of wetlands (small ponds and embayments are common)	= 30
	Type 6	Open water occupies 76%-95% of wetland (occurring in large central area; vegetation is peripheral)	= 8
	Type 7	Open water occupies 76-95% of wetland (vegetation in patches or diffuse open stands)	= 14
	Type 8	Open water occupies more than 95% of wetland area	= 3
	No open water		= 0

Glenside Note: 21% of wetland is open water marsh, therefore Type 3

Open Water Type Score (maximum 30 points) 14





### 1.3 SIZE (BIOLOGICAL COMPONENT)

Total Size of Wetland: = 420.7 ha

Sum of scores from Biodiversity Subcomponent

1.2.1  
+ 1.2.2  
+ 1.2.3  
+ 1.2.4  
+ 1.2.5  
+ 1.2.6  

---

118

Check the appropriate score from the table below

		Total Score for Biodiversity Subcomponent									
		<37	37-47	48-60	61-72	73-84	85-96	97-108	109-120	121-132	>132
Wetland Size (ha)	<20 ha	1	5	7	8	9	17	25	34	43	50
	20-40	5	7	8	9	10	19	28	37	46	50
	41-60	6	8	9	10	11	21	31	40	49	50
	61-80	7	9	10	11	13	23	34	43	50	50
	81-100	8	10	11	13	15	25	37	46	50	50
	101-120	9	11	13	15	18	28	40	49	50	50
	121-140	10	13	15	17	21	31	43	50	50	50
	141-160	11	15	17	19	23	34	46	50	50	50
	161-180	13	17	19	21	25	37	49	50	50	50
	181-200	15	19	21	23	28	40	50	50	50	50
	201-400	17	21	23	25	31	43	50	50	50	50
	401-600	19	23	25	28	34	46	50	50	50	50
	601-800	21	25	28	31	37	49	50	50	50	50
	801-1000	23	28	31	34	40	50	50	50	50	50
	1001-1200	25	31	34	37	43	50	50	50	50	50
	1201-1400	28	34	37	40	46	50	50	50	50	50
	1401-1600	31	37	40	43	49	50	50	50	50	50
1601-1800	34	40	43	46	50	50	50	50	50	50	
1801-2000	37	43	47	49	50	50	50	50	50	50	
>2000	40	46	50	50	50	50	50	50	50	50	

Size Score (Biological Component) (maximum 50 points)	<u>50</u>
--	-----------



## 2.0 SOCIAL COMPONENT

### 2.1 ECONOMICALLY VALUABLE PRODUCTS

#### 2.1.1 Wood Products

Check the option that best reflects the total area (ha) of forested wetland (i.e., areas where the dominant vegetation form is h or c). Note that this is the area of all the forested vegetation communities, not total wetland size. Do not include area where harvest is not permitted. Check only one option.

Area of wetland used for scoring 2.1.1: 107 ha

✓	Points
	<5 ha = 0 pts
	5 – 25 ha = 4
	26 – 50 ha = 6
	51 – 100 ha = 8
	101 – 200 ha = 11
	> 200 ha = 14

Source of information: GIS & field investigation.  
85 ha dominated by conifer, 22 ha dominated by hardwoods

Wood Products Score (maximum 14 points) 11

#### 2.1.2 Lowbush Cranberry

Check only one.

✓	Points
	Present = 2 pts
X	Absent = 0
	Harvest not permitted = 0

Source of information: Not identified in field

Lowbush Cranberry Score (maximum 2 points) 0

#### 2.1.3 Wild Rice

Check only one.

✓	Points
	Present (min size 0.5 ha) = 10 pts
	Absent = 0
	Harvest not permitted = 0

Source of information: Not identified in field

Wild Rice Score (maximum 10 points) 0



### 2.1.4 Commercial Baitfish

Check only one.

✓		Points
X	Present	= 12 pts
	Absent	= 0
	Fishing not permitted	= 0

Commercial Baitfish Score (maximum 12 points) 12

Source of information: Stephen Lawrence, Fish and Wildlife Technical Specialist, Bancroft District, OMNRF 613-332-3940 ext 242 | [steve.lawrence@ontario.ca](mailto:steve.lawrence@ontario.ca). Provided BHA\_Numbers BA0171, BA0187, BA0188 & BA0192 and Stephen Lawrence reported that BA0171, BA0187, BA0188 are Active for baitfish and leeches and BA0192 is open.

### 2.1.5 Furbearers

Only species recognized as furbearers under the Fish & Wildlife Conservation Act may be scored. Score 3 points for each furbearer species listed, up to a maximum of 12 points. Score 0 points if trapping is prohibited.

	Name of Furbearer	Source of Information
1	Beaver	Field investigation
2	Muskrat	Field investigation
3	Northern Raccoon	Field investigation
4	Black Bear	Field investigation
5	Red Squirrel	Field investigation
6		

Furbearer Score (maximum 12 points) 12



## 2.2 RECREATIONAL ACTIVITIES

Sources of information and reasons for scoring a wetland under high or moderate use below, must be included below.

Circle one score for each of the activities listed. Score is cumulative – add score for hunting, nature enjoyment and fishing together for final score.

Intensity of Use	Type of Wetland Associated Use		
	Hunting	Nature Enjoyment/ Ecosystem Study	Fishing
High	<u>40 points</u>	40 points	<u>40 points</u>
Moderate	20	20	20
Low	8	<u>8</u>	8
Not Possible/ No Evidence	0	0	0

Sources of information (include evidence/criteria forming basis for score and any relevant reference used to obtain that information):

- e.g., Hunting scored at 20 points: 5 hunting blinds observed; hunters using area frequently monitored for compliance (source: D. Black, MNR Conservation Officer)

Hunting: Mike Michell, Conservation Officer, Bancroft District, OMNRF reported more than 100 hunting days in the wetland complex area (pers com 27/07/2016, 705-755-3366; mike.michell@ontario.ca). Shotgun shells observed at wetland unit 9. Joe Dunkerley, Anchorage Marina reported 4-5 private hunt camps around Jack Lake Road and south of County Road 504. Mr. Dunkerley has his own hunt camp in this area.

Nature: Wetland visited regularly by local naturalist Sheelagh Hysenaj

Fishing: Mike Michell, Conservation Officer, Bancroft District, OMNRF reported more than 100 angler days in the wetland complex area (pers com 27/07/2016, 705-755-3366; mike.michell@ontario.ca). Joe Dunkerley, Anchorage Marina reported 5-6 ice huts per year in both Sheep’s Bay and Brooks Bay for a total of 10-12 ice huts

Recreational Activities Score (maximum 80 points)

80



## 2.3 LANDSCAPE AESTHETICS

### 2.3.1 Distinctness

Check only one.

✓		Points
X	Clearly Distinct	= 3 pts
	Indistinct	= 0

Landscape Distinctness Score (*maximum 3 points*)

3

### 2.3.2 Absence of Human Disturbance

Check only one.

✓		Points
	Human disturbances absent or nearly so	= 7 pts
X	One or several localized disturbances	= 4
	Moderate disturbance; localized water pollution	= 2
	Wetland intact but impairment of ecosystem quality intense in some areas	= 1
	Extreme ecological degradation, or water pollution severe and widespread	= 0

Details regarding type, extent and location of disturbance scored: Jack Lake Road and Hwy 504 bisect wetland units

Source of information: Aerial imagery, field investigation

Absence of Human Disturbance Score  
(*maximum 7 points*)

4





## 2.4 EDUCATION AND PUBLIC AWARENESS

### 2.4.1 Educational Uses

Check highest appropriate category.

✓		Points
	Frequent	= 20 pts
	Infrequent	= 12
X	No visits	= 0

Details regarding type and frequency of education scored: None identified

Source of information: None identified

Educational Uses Score ( <i>maximum 20 points</i> )	0
---	---

### 2.4.2 Facilities and Programs

Check all appropriate options, score highest category checked.

✓		Points
	Staffed interpretation centre with shelters, trails, literature	= 8 pts
	No interpretation centre or staff, but a system of self-guiding trails and observation points or brochures available	= 4
	Facilities such as maintained paths (e.g., woodchips), boardwalks, boat launches or observation towers, but no brochures or other interpretation	= 2
X	No facilities or programs	= 0

Additional Notes/Comments:

Source of information:

Facilities and Programs Score ( <i>maximum 8 points</i> )	0
---	---



### 2.4.3 Research and Studies

Check all that apply; score highest category checked.

✓		Points
X	Long term research has been done	= 12 pts
	Research papers published in refereed scientific journal or as a thesis	= 10
	One or more (non-research) reports have been written on some aspect of the wetland's flora, fauna, hydrology, etc.	= 5
	No research or reports	= 0

List of reports, publications, research studies etc. scored above:

- Corbett, B.W. 1981. The ecology of an introduced population of walleye (*Stizostedion vitreum*) in Jack Lake, Ontario. M Sc. Thesis. Trent University, Peterborough, Ontario.
- Corbett, B.W. and P.M. Powles 1986. Spawning and larval drift of sympatric walleyes and white suckers in an Ontario stream. Transactions of the American Fisheries Society 115 (1):41-46.
- Dosser, S. 1987. A summary of walleye and muskellunge spawning site identification and documentation, spring 1986. Fisheries Management Report 1987-02. Ontario Ministry of Natural Resources, Bancroft, Ontario.
- Kerr, S. 2015. Turtle Observations around Jack's Lake south of Apsley.
- Kerr, S. 2016. Turtle Observations in the Jack Lake Watershed during the 2016 Nesting Season.
- Jack Lake Association. 2016. Fauna of the Jack Lake Watershed. 301 p
- Jack Lake Fisheries Committee. 2013. A review of fisheries management activities on Jack Lake and proposals for the future. Jack Lake Association. Apsley, Ontario. 27p. + appendices.
- Jack Lake Association. 2015. Invasive Species Initiatives Undertaken by the Jack Lake Association in 2015. 12p

Research and Studies Score (*maximum 12 points*)

12



## 2.5 PROXIMITY TO AREAS OF HUMAN SETTLEMENT

Name of Settlement: Apsley, Ontario

Distance of wetland from settlement: 700m

Population of settlement: 2289

(Source: Google 2011 data)

*Circle only the highest score applicable*

		Population > 10,000	Population 2,500 – 10,000	Population <2,500 or cottage community
Distance of wetland to settlement	Within or adjoining settlement	40 points	26 points	16 points
	0.5 to 10km from settlement	26	16	<u>10</u>
	10 to 60 km from settlement	12	8	4
	60 to 100 km from nearest settlement	5	2	0
	> 100 km from nearest settlement	0	0	0

Proximity to Human Settlement Score  
(maximum 40 points)

10



## 2.6 OWNERSHIP

FA of wetland on land held by or held under a legal contract by a conservation body (as defined by the Conservation Land Act) for wetland protection	X	10	=	
FA of wetland occurring in provincially or nationally protected areas (e.g., parks and conservation reserves)	X	10	=	
FA of wetland area in crown/public ownership, not as above	0.19	X	8	= 1.52
FA of wetland area in private ownership, not as above	0.81	X	4	= 3.24

Source of information: LIO crown layer

Ownership Score (maximum 10 points) 5

## 2.7 SIZE (SOCIAL COMPONENT)

Total Size of Wetland = 420.7 ha      Sum of scores from Subcomponents 2.1, 2.2 and 2.5 = 125

Circle the appropriate score from the table below

	Total for Size Dependent Social Features									
	<31	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	>150
<5	1	2	4	8	12	13	14	14	15	16
5-8	2	2	5	9	13	14	15	15	16	16
9-12	3	3	6	10	14	15	15	16	17	17
13-17	3	4	7	10	14	15	16	16	17	17
18-28	4	5	8	11	15	16	16	17	17	18
29-37	5	7	10	13	16	17	18	18	19	19
38-49	5	7	10	13	16	17	18	18	19	20
50-62	5	8	11	14	17	17	18	19	20	20
63-81	5	8	11	15	17	18	19	20	20	20
82-105	6	9	11	15	18	18	19	20	20	20
106-137	6	9	12	16	18	19	20	20	20	20
138-178	6	9	13	16	18	19	20	20	20	20
179-233	6	9	13	16	18	20	20	20	20	20
234-302	7	9	13	16	18	20	20	20	20	20
303-393	7	9	14	17	18	20	20	20	20	20
394-511	7	10	14	17	18	20	20	20	20	20
512-665	7	10	14	17	18	20	20	20	20	20
666-863	7	10	14	17	19	20	20	20	20	20
864-1123	8	12	15	17	19	20	20	20	20	20
1124-1460	8	12	15	17	19	20	20	20	20	20
1461-1898	8	13	15	18	19	20	20	20	20	20
1899-2467	8	14	16	18	20	20	20	20	20	20
>2467	8	14	16	18	20	20	20	20	20	20

Total Size Score (Social Component) 20



## 2.8 ABORIGINAL VALUES AND CULTURAL HERITAGE

*Either or both Aboriginal or Cultural Values may be scored. However, the maximum score permitted for 2.8 is 30 points.*

*Full documentation of sources must be attached to the data record.*

### 2.8.1 Aboriginal Values

*Check highest appropriate category.*

✓		Points
	Significant	= 30 pts
	Not Significant	= 0
0	Unknown	= 0

Additional Comments/Notes:

### 2.8.2 Cultural Heritage

✓		Points
	Significant	= 30 pts
	Not Significant	= 0
0	Unknown	= 0

Additional Comments/Notes:

Aboriginal Values/Cultural Heritage Score  
(maximum 30 points)

0





## 3.0 HYDROLOGICAL COMPONENT

### 3.1 FLOOD ATTENUATION

Check one of the following five options:

- If wetland is a single contiguous coastal wetland, -> score 0 points for this section.
- If the wetland is a single contiguous lacustrine wetland where the ratio of wetland area to lake area is less than 0.1, -> score 0 points for this section.
- If all wetland units of the wetland complex are coastal wetland units, or if all wetland units are all lacustrine and the ratio of the wetland area (total area of all wetland units) to the lake areas is less than 0.1 -> score 0 points for this section.
- If wetland or wetland complex is entirely isolated in site type, -> score 100 points automatically.
- If wetland or wetland complex is entirely isolated in site type, score 100 points automatically.
- Wetland not as above – proceed through steps A through O below.
- (A) Total wetland area = 421 ha
- (B) Size of wetland's catchment = 2802 ha
- (C) Size of other detention areas in catchment = 158 ha
- (D) Size of 'isolated' portions of wetland = 0 ha (FA = 0 )
- (E) Size of coastal units of wetland complex = 0 ha (FA = 0 )
- (F) Size of small lacustrine units of a wetland complex (when wetland area : lake area < 0.1)<sup>5</sup>  
= 0 ha (FA = 0 )
- Wetland Surface Form (select the form which best describes the non-coastal units of the wetland):
- flooded with little or no aquatic vegetation = 0
- flooded but with submergent, emergent, or floating vegetation = 0.2
- flat (lawn) vegetation (typical of fens) = 0.5
- hummock-depression microtopography = 0.7
- patterned (e.g. string bog, ribbed fen) = 1.0
- (G) Wetland Surface Form Factor = 0.2 (maximum 1.0)
- Points for Isolated Wetland Unit(s) (if not applicable, enter '0'):
- (H) (FA of D) x 100 pts = 0 pts
- Points for coastal Wetland Unit(s) (if not applicable, enter '0'):
- (I) (FA of E) x 100 pts = 0 pts
- Points for Small lacustrine Wetland Unit(s) (if not applicable enter '0'):
- (J) (FA of F) x 100 pts = 0 pts
- (K) Size of wetland minus isolated, coastal and small lacustrine portions = {A - D - E - F} = 421 ha
- (L) Number of points available to score 'rest' of wetland = {100 - H - I - J} = 100
- (M) Total area of upstream detention areas\* = {A + C} = 579 ha
- (N) Upstream detention Factor = {(K/M) x 2} = 1 (maximum 1.0)
- (O) Attenuation Factor = {(K/B) x 10} = 1 (maximum 1.0)
- (P) Surface Form Factor = 0.2 (maximum 1.0)

$$\text{Flood Attenuation Final Score} = \{([N + O + G] / 3) \times L\} + H = \underline{73}$$

Flood Attenuation Score (maximum 100 points) 73



## 3.2 GROUNDWATER RECHARGE

### 3.2.1 Site Type

Wetland > 50% lacustrine (by area) or located on the St. Mary's River	=	0 pts
Wetland not as above. calculate final score as follows:		
▪ FA of isolated or palustrine wetland	= 0.86 x 20	= 17.2
▪ FA of riverine wetland	= 0.00 x 5	= 0
▪ FA of lacustrine wetland (when wetland is <50% lacustrine)"	= 0.14 x 0	= 0

Groundwater Recharge/Wetland Site Type  
Score (maximum 20 points) 17

### 3.2.2 Soil Recharge Potential

Circle only one choice that best describes the soils in **the area surrounding the wetland** being evaluated (the soils within the wetland are not scored here).

Dominant Wetland Type	Group A, B, C (sands, gravels, loams)	Group D (clays, substrates in high water tables, shallow substrates over impervious materials such as bedrock)
	Lacustrine or on St. Mary's River	0
Isolated	10	5
Palustrine	<u>7</u>	4
Riverine (not on a major river)	5	2

Groundwater Recharge/Wetland Soil Recharge  
Potential Score (maximum 10 points) 7



### 3.3 DOWNSTREAM WATER QUALITY IMPROVEMENT

#### 3.3.1 Watershed Improvement Factor

Calculation of Watershed Improvement Score is based upon the fractional area (FA) of each site type within the wetland.

FA = area of site type/total area of the wetland

					Improvement Factor
FA of isolated wetland	=		x	0.5	=
FA of riverine wetland	=		x	1.0	=
FA of palustrine wetland with no inflow	=	0.1	x	0.7	= 0.07
FA of palustrine wetland with inflows	=	0.76	x	1.0	= 0.76
FA of lacustrine on lake shoreline	=	0.09	x	0.2	= 0.018
FA of lacustrine at lake inflow or outflow	=	0.05	x	1.0	= 0.05
				Total	= 0.898

Watershed Improvement Score (IF x 30) (maximum 30 points)	<u>27</u>
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#### 3.3.2 Adjacent and Watershed Land Use

##### EVAUATION

##### Step 1. Determination of maximum Initial Score

- Wetland on the great lakes or St. Mary's River (go to Step 5a)
- All other wetlands (go through steps 2, 3, 4, and 5b)

##### Step 2. Determination of Broad Upslope land Use (BLU)

Assess broad upslope land uses as logging within the previous 5 years, agriculture, or other activities which alter the natural vegetation cover in an extensive manner.

Choose one	Score
<input type="checkbox"/> > 50% of catchment basin	20
<input type="checkbox"/> 20-50% of catchment basin	14
<input checked="" type="checkbox"/> < 20% of catchment basin	4

Score for BLU 4



**Step 3. Determination of Linear Upslope Land Uses (LUU)**

Assess linear upslope uses (LUU) e.g., roads, railways, hydro corridors, pipelines, etc., crossing the upslope catchment within 200 m of the wetland boundary.

		Score
X	Choose the highest only	
	Major corridor <sup>1</sup>	15
	Secondary corridor	11
	Tertiary corridor	6
	Temporary or abandoned	3
	None	0
		Score for LUU <u>15</u>

<sup>1</sup> Major, secondary and tertiary roads are those that are indicated as such on the provincial highways map. Major hydro corridors are trunk lines coming directly from a generating station. Major pipelines are trans-continental lines. Secondary corridors are regional distribution lines (i.e. multi-cable hydro corridors not emanating directly from a generating station or regional gas distribution lines). Tertiary corridors are single hydro lines or local gas distribution lines (i.e. to domestic users).

**Step 4. Determination of Point-source Land Uses (PS)**

Assess point source (PS) land uses producing industrial effluents such as heavy industry, pulp and paper plants, major aggregate operations (but not small pits use for local road construction), etc. Score as 'present' only if a point source land use is located less than 1 km upstream from the wetland.

		Score
	Present	15
X	Not present	0
		Score for PS <u>0</u>

**Step 5. Calculation of total score for Adjacent and Watershed Land Use**

		Score
	a) Wetland on the great lakes or St. Mary's River	0
X	b) All other wetlands, calculate as follows:	
Final Score BLU + LUU + PS		<u>19</u>

**3.3.3 Vegetation Form**

Choose the category that best describes the vegetation of the wetland.

✓		Score
	Trees, shrubs or herbs (h, c, ts, ls, gc) =	8 pts
X	Emergents, submergents (ne, re, be, f, ff, su) =	10
	Little or no vegetation (u) =	0

Dominant Vegetation Form Score (*maximum 10 points*) 10





### 3.4 CARBON SINK

Check only one of the following

✓		Points
	Bog or fen with more than 50% coverage by organic soil	= 15 pts
X	Wetland with between 10 to 50% coverage by organic soil (i.e., mainly mineral or undesignated soils, any wetland type)	= 6
	Marshes and swamps with more than 50% coverage organic soil	= 9
	Wetland with less than 10% soils organic	= 0

Source of information: Field investigation.

\*Glenside Note: Field investigation identified a minimum of 38% of wetlands with organic soils.

Therefore organic soils represent 10-50% if the area at a **minimum** and score may be higher

Carbon Sink Score ( <i>maximum 15 points</i> )	<u>6*</u>
--	-----------

### 3.5 SHORELINE EROSION CONTROL

From the wetland vegetation map determine the **dominant** vegetation type within the erosion zone for **lacustrine and riverine site type areas only**. Score according to the factors listed below.

Step 1.

✓		Points
	Wetland entirely isolated or palustrine	= 0 pts
X	Any part of the wetland is riverine or lacustrine	= Go to step 2

Step 2: Choose the one characteristic that best describes the shoreline vegetation (see page 112 for description of "shoreline".)

✓		Points
X	Trees and shrubs	= 15 pts
	Emergent vegetation	= 8
	Submergent vegetation	= 6
	Other shoreline vegetation	= 3
	No vegetation	= 0

Shoreline Erosion Control Score ( <i>maximum 15 points</i> )	<u>15</u>
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### 3.6 GROUNDWATER DISCHARGE

Circle the characteristics that best describe the wetland being evaluated and then sum the scores. If the sum Exceeds 30 points, assign the maximum score of 30). NOTE: for wetland type, wetland type scored does not have to be the dominant type in the wetland.

	Catchment Interaction/Potential for Discharge		
	None to Little	Some	High
Wetland type presence/absence	Bog = 0	Swamp/Marsh = 2	<u>Fen = 5</u>
Basin Topography	Flat/Rolling = 0	<u>Hilly = 2</u>	Major Relief Break = 5
Wetland area: Upslope catchment area	Large (>50%) = 0	<u>Moderate (5-50%) = 2</u>	Small (<5%) = 5
Lagg development	None found = 0	<u>Minor = 2</u>	Extensive = 5
Seeps	<u>None = 0</u>	≤ 3 seeps = 2	> 3 seeps = 5
Iron precipitates	None = 0	<u>≤ 3 sites = 2</u>	> 3 sites = 5
Surface marl deposits	<u>None = 0</u>	≤ 3 sites = 2	> 3 sites = 5
Wetland pH	Low <4.2 = 0	Moderate 4.2 – 5.7 = 5	High >5.7 = 10
Catchment soil coverage	Patchy = 0	<u>Thin (&lt;20cm) = 2</u>	Thick = 5
Catchment soil permeability	Low = 0	Moderate = 2	<u>High = 5</u>

Additional Comments/Notes: Iron precipitates noted flowing into wetland unit 9; Wetland pH unknown. Adjacent soils based on geology layer.

Groundwater Discharge Score (maximum 30 points)	<u>20*</u>
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\*Glenside Note: Access limited to wetland and therefore a partial score based on verified wetlands only. Score may be higher.



## 4.0 SPECIAL FEATURES COMPONENT

### 4.1 RARITY

#### 4.1.1 Wetlands

Wetland type (*check one or more*)

<input type="checkbox"/>	Bog
<input checked="" type="checkbox"/>	Fen
<input checked="" type="checkbox"/>	Swamp
<input checked="" type="checkbox"/>	Marsh

Ecoregion/Ecodistrict	Marsh	Swamp	Fen	Bog
2E James Bay	20	20	0	20
2W Big Trout Lake	20	20	0	10
3E Lake Abitibi	20	20	10	0
3W Lake Nipigon	20	20	10	0
3S Lake St. Joseph	20	20	10	0
4E Lake Temagami	20	20	10	0
4W Pigeon River	20	10	20	0
4S Wabigoon Lake	20	10	20	0
5E-1 Thessalon	10	0	30	20
5E-3 La Cloche	20	0	30	20
5E-4 Sudbury	10	0	30	10
5E-5 North Bay	10	0	20	0
5E-6 Tomiko	10	0	20	0
5E-7 Parry Sound	20	0	30	20
5E-8 Huntsville	20	0	30	20
5E-9 Algonquin Park	10	0	30	0
5E-10 Brent	20	0	30	0
5E-11 Bancroft	<u>0</u>	<u>10</u>	<u>30</u>	10
5E-13 Western Sault Ste. Marie – Lake Superior Coast	20	0	10	30
5-S Lake of the Woods	10	10	20	10

Rarity of Wetland Type Score (*maximum 70 points*)

40



4.1.2 Species

4.1.2.1 Reproductive Habitat for an Endangered or Threatened Species

Under the “Activity” column, when scoring animal species, record what the animal is doing when observed (e.g. nesting, courtship, singing etc.)

Common Name	Scientific Name	Activity	Date Observed	Info Source
Least Bittern	<i>Ixobrychus exilis</i>	Nesting	18/06/2016	Field Investigation
Least Bittern	<i>Ixobrychus exilis</i>	Nesting	19/06/2016	Field Investigation
Blanding’s Turtle	<i>Emydoidea blandingii</i>	Dead on Road	18/06/2016	Field Investigation
Blanding’s Turtle	<i>Emydoidea blandingii</i>	Dead on Road	19/06/2016	Field Investigation
Blanding’s Turtle	<i>Emydoidea blandingii</i>	Mixed	Historical	Natural Heritage Information Centre / Jack Lake Association

For each species score 250 points. (Score cumulative, no maximum score)

Additional Notes/Comments: See attached Appendices for observation details

Reproductive Habitat for Endangered or Threatened Species Score ( <i>no maximum</i> )	<u>500</u>
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#### 4.1.2.2 Traditional Migration or Feeding Habitat for an Endangered or Threatened Species

Under the "Activity" column, when scoring animal species, record what the animal is doing when observed (e.g. nesting, courtship, singing etc.). Dates that species has been recorded using the wetland must be included in the table below.

Common Name	Scientific Name	Activity	Date Observed	Info Source
Barn Swallow	<i>Hirundo rustica</i>	Feeding	17/06/2016	Field investigation
Barn Swallow	<i>Hirundo rustica</i>	Feeding	17/06/2016	Field investigation
Barn Swallow	<i>Hirundo rustica</i>	Feeding	18/06/2016	Field investigation
Barn Swallow	<i>Hirundo rustica</i>	Feeding	18/06/2016	Field investigation
Barn Swallow*	<i>Hirundo rustica</i>	Feeding	<2016 (historical)	Jack Lake Association

For one species score 150 points; for each additional species score 75 points. (Score is cumulative)

Additional Notes/Comments: See Appendices for observation details.

\*Observed throughout Jack Lake – 2016. *Fauna of Jack Lake Watershed*, Jack Lake Association. 301pp

Traditional Habitat for Endangered or  
Threatened Species Score (*no maximum*)

150



4.1.2.3 Provincially Significant Animal Species

Common Name	Scientific Name	Activity	Date Observed	Info Source
Snapping Turtle	<i>Chelydra serpentina</i>		18/06/2016	Field investigation
Olive-sided Flycatcher	<i>Contopus cooperi</i>		18/06/2016	Field investigation
Canada Warbler	<i>Cardellina canadensis</i>		18/06/2016	Field investigation
Lilypad Clubtail	<i>Arigomphus furcifer</i>		18/06/2016	Field investigation
Horned Clubtail	<i>Arigomphus cornutus</i>		18/06/2016	Field investigation
Cyrano Darner	<i>Nasiaeschna pentacantha</i>		18/06/2016	Field investigation
Canada Warbler	<i>Cardellina canadensis</i>		<2016 (historical)	Nature Counts
Snapping Turtle	<i>Chelydra serpentina</i>		<2016 (historical)	Natural Heritage Information Centre / Jack Lake Association

Additional Notes/Comments: See attached Appendices for observation details

One species = 50 pts	9 species = 140 pts	17 species = 160 pts
2 species = 80	10 species = 143	18 species = 162
3 species = 95	11 species = 146	19 species = 164
4 species = 105	12 species = 149	20 species = 166
5 species = 115	13 species = 152	21 species = 168
6 species = 125	14 species = 154	22 species = 170
7 species = 130	15 species = 156	23 species = 172
8 species = 135	16 species = 158	24 species = 174
		25 species = 176

Add one point for every species past 25 (for example, 26 species = 177 points, 27 species = 178 points etc.)

Provincially Significant Animal Species Score (no maximum) <span style="float: right; border-bottom: 1px solid black; padding: 0 20px;">125</span>
--





4.1.2.4 Provincially Significant Plant Species

Common Name	Scientific Name	Activity	Date Observed	Info Source

Additional Notes/Comments:

One species = 50 pts	9 species = 140 pts	17 species = 160 pts
2 species = 80	10 species = 143	18 species = 162
3 species = 95	11 species = 146	19 species = 164
4 species = 105	12 species = 149	20 species = 166
5 species = 115	13 species = 152	21 species = 168
6 species = 125	14 species = 154	22 species = 170
7 species = 130	15 species = 156	23 species = 172
8 species = 135	16 species = 158	24 species = 174
		25 species = 176

Add one point for every species past 25 (for example, 26 species = 177 points, 27 species = 178 points etc.)

Provincially Significant Plant Species Score (no maximum) <span style="float: right; border-bottom: 1px solid black; width: 50px; text-align: center;">0</span>
---



4.1.2.5 Regionally Significant Species

Common Name	Scientific Name	Activity	Date Observed	Info Source

\*\*Score only if there is an approved list

Scoring:

One species = 20 pts	4 species = 45 pts	7 species = 58 pts
2 species = 30	5 species = 50	8 species = 61
3 species = 40	6 species = 55	9 species = 64
		10 species = 67

For each significant species over 10 in wetland, add 1 point.

Regionally Significant Species Score (no maximum score)	<u>0</u>
---	----------

4.1.2.6 Locally Significant Species (Ecodistrict)

Common Name	Scientific Name	Activity	Date Observed	Info Source

\*\*Score only if there is an approved list

Scoring:

One species = 10 pts	4 species = 31 pts	7 species = 43 pts
2 species = 17	5 species = 38	8 species = 45
3 species = 24	6 species = 41	9 species = 47
		10 species = 49

For each significant species over 10 in wetland, add 1 point.

Locally Significant Species Score (no maximum score)	<u>0</u>
--	----------



#### 4.1.2.7 Species of Special Status

##### Black Duck

*Suitable breeding habitat present and within assessment range (Figure 25)*

Assessment Category	Check one	Points
20 - 40 Indicated Pairs/100 km sq		= 20
10 - 20 Indicated Pairs/100 km sq		= 15
5 - 10 Indicated Pairs/100 km sq	X	= 10
1 - 5 Indicated Pairs/100 km sq		= 5
Habitat not suitable		= 0
Out of assessment range		= 0

Additional Notes/Comments:

Black Duck Score ( <i>maximum 20 points</i> )	<u>10</u>
---	-----------

## 4.2 SIGNIFICANT FEATURES AND HABITATS

### 4.2.1 Colonial Waterbirds

*Record all available information. Score the highest applicable category. Include additional information as possible (e.g. nest locations etc.)*

Activity	Species	Info Source	Points
Currently nesting	Great Blue Heron	Field Investigation	= 50
Known to have nested within the past 5 years			= 25
Active feeding area (great blue heron excluded)			= 15
None known			= 0

Additional Notes/Comments:

Colonial Waterbird Nesting Score ( <i>maximum 50 points</i> )	<u>50</u>
---	-----------



### 4.2.2 Winter Cover for Wildlife

Score highest category. Include rationale/sources of information

	Provincially significant	= 100 pts
	Significant in Ecoregion	= 50
	Significant in Ecodistrict	= 25
X	Locally significant	= 10
	Little or poor winter cover	= 0

Species/habitat/vegetation community scored (e.g., winter deer cover in hemlock swamp, S3 and S4b):

Winter cover present in vegetation communities S1, S2, S3, S4, S9, S10, S11, S12, S13, S22, S26, S27, S30 (all dominated by conifer). Deer yard Stratum 1 across southern part of complex

Sources of information: Field investigation/NRVIS

Winter Cover for Wildlife Score (maximum 100 points)	<u>10</u>
--	-----------

### 4.2.3 Waterfowl Staging and/or Moulting Areas

Check highest level of significance for both staging and moulting; add scores for staging and for moulting together for final score. However, maximum score for evaluation under this section is 150 points.

	Staging		Moulting	
Nationally/Internationally significant		= 150 pts		= 150 pts
Provincially significant		= 100		= 100
Significant in Ecoregion		= 50		= 50
Significant in Ecodistrict		= 25		= 25
Locally significant/ Known to occur		= 10		= 10
Not possible/Unknown	X	= 0	X	= 0

Species/habitat/vegetation community scored (e.g., approx 20 mallards in W3): Unknown

Sources of information:

Waterfowl Staging/Moulting Score (maximum 150 points)	<u>0</u>
---	----------



### 4.2.4 Waterfowl Breeding

Check highest level of significance.

	Nationally/internationally significant	= 150 pts
	Provincially significant	= 100
	Significant in Ecoregion	= 50
	Significant in Ecodistrict	= 25
X	Locally significant/ Known to occur	= 10
	Habitat not suitable	= 0

Species/habitat/vegetation community scored (e.g., mallard in W3): Ring-necked Duck, Mallard and Wood Duck observed in suitable habitat during breeding season

Sources of information: Field investigation

Waterfowl Breeding Score (maximum 150 points) 10

### 4.2.5 Migratory Passerine, Shorebird or Raptor Stopover Area

Check highest level of significance.

	Nationally/internationally significant	= 150 pts
	Provincially significant	= 100
	Significant in Ecoregion	= 50
	Significant in Ecodistrict	= 25
	Locally significant/ Known to occur	= 10
X	Not possible/Unknown	= 0

Species/habitat/vegetation community scored: Unknown

Sources of information:

Passerine, Shorebird or Raptor Stopover Score (maximum 150 points) 0

### 4.2.6 Ungulate Habitat

#### EVALUATION

Score (1) + (2) +one of (3) to (6).

X	1. Ungulate summer cover	= 15 pts
	2. Mineral lick	= 50
	3. Moose aquatic feeding area Class 1	= 0
	4. Moose aquatic feeding area Class 2	= 10
	5. Moose aquatic feeding area Class 3	= 20
	6. Moose aquatic feeding area Class 4	= 35

(Score is cumulative for a maximum possible score of 100)

Ungulate Habitat Score (maximum 100 points) 15





## 4.2.7 Fish Habitat

### 4.2.7.1 Spawning and Nursery Habitat

Area Factors for Low Marsh, High Marsh and Swamp Communities

No. of ha of Fish Habitat	Area Factor
< 0.5 ha	0.1
0.5 – 4.9	0.2
5.0 – 9.9	0.4
10.0 – 14.9	0.6
15.0 – 19.9	0.8
20.0 +	1.0

#### Step 1:

<input type="checkbox"/>	Fish habitat is not present within the wetland	Go to Step 7, Score 0 points
<input checked="" type="checkbox"/>	Fish habitat is present within the wetland	Go to Step 2

#### Step 2: Choose only one option

<input type="checkbox"/>	Significance of the spawning and nursery habitat within the wetland is known	Go to Step 3
<input checked="" type="checkbox"/>	Significance of the spawning and nursery habitat within the wetland is not known	Go through Steps 4, 5 and 6

#### Step 3: Select the highest appropriate category below, attach documentation:

<input type="checkbox"/>	Significant in Ecoregion	Go to Step 7, Score 100 points
<input type="checkbox"/>	Significant in Ecodistrict	Go to Step 7, Score 50 points
<input type="checkbox"/>	Locally Significant Habitat (5.0+ ha)	Go to Step 7, Score 25 points
<input type="checkbox"/>	Locally Significant Habitat (<5.0 ha)	Go to Step 7, Score 15 points

**Step 4:** Low Marsh = the 'permanent' marsh area, from the existing water line out to the outer boundary of the wetland.

<input type="checkbox"/>	Low marsh not present	Go to Step 5
<input checked="" type="checkbox"/>	Low marsh present	Continue through Step 4, scoring as noted below



1. Check the appropriate **Vegetation Group** (see Appendix 7) for each Low Marsh community. (Based on the one most clearly dominant plant species of the dominant form in each Low Marsh vegetation community.)
2. Sum the areas (ha) of the vegetation communities assigned to each **Vegetation Group**.
3. Use these areas to assign an Area Factor (from Table 8) for each checked **Vegetation Group**.
4. Multiply the **Area Factor** by the **Multiplication Factor** for each row to calculate **Score**.
5. Sum all numbers in Score column to get **Total Score** for **Low Marsh**.

Scoring for Presence of Key Vegetation Groups – Low Marsh						
Vegetation Group Number	Vegetation Group Name	Present as a Dominant Form (check)	Total Area (ha)	Area Factor (from Table 8)	Multiplication Factor	Score
1	Tallgrass				6	
2	Shortgrass-sedge	X	22.94	1	11	11
3	Cattail-Bulrush-Burreed	X	43.35	1	5	5
4	Arrowhead-Pickerelweed				5	
5	Duckweed				2	
6	Smartweed-Waterwillow				6	
7	Waterlily-Lotus	X	31.11	1	11	11
8	Waterweed-Watercress				9	
9	Ribbongrass				10	
10	Coontail-Naiad-Watermilfoil	X	0.59	0.2	13	2.6
11	Narrowleaf Pondweed				5	
12	Broadleaf Pondweed				8	
Total Score for Low Marsh (maximum 75 points)						30*

Continue to Step 5.

\*Glenside Note: Did not score unverified vegetation communities therefore only partial score. Score likely higher.



**Step 5:** High Marsh = the ‘seasonal’ marsh area, from the water line to the inland boundary of marsh wetland type. This is essentially what is commonly referred to as a wet meadow, in that there is insufficient standing water to provide fisheries habitat except during flood or high water conditions.

	High marsh not present	Go to Step 6
X	High marsh present	Continue through Step 5, scoring as noted below

**Scoring of High Marsh:**

1. Check the appropriate **Vegetation Group** (see Appendix 7) for each High Marsh community. (Based on the one most clearly dominant plant species of the dominant form in each High Marsh vegetation community.)
2. Sum the areas (ha) of the vegetation communities assigned to each **Vegetation Group**.
3. Use these areas to assign an **Area Factor** (from Table 8) for each checked **Vegetation Group**.
4. Multiply the Area Factor by the **Multiplication Factor** for each row to calculate Score.
5. Sum all numbers in Score column to get **Total Score** for **High Marsh**

Scoring for Presence of Key Vegetation Groups – High Marsh						
Vegetation Group Number	Vegetation Group Name	Present as a Dominant Form (check)	Total Area (ha)	Area Factor (from Table 8)	Multiplication Factor	Score
1	Tallgrass				6	
2	Shortgrass-sedge	X	15.01	0.8	11	8.8
3	Cattail-Bulrush-Burreed	X	3.26	0.2	5	1.0
4	Arrowhead-Pickerelweed				5	
Total Score for High Marsh (maximum 25 points)						10*

Continue to Step 6

\*Glenside Note: Did not score unverified vegetation communities therefore only partial score. Score likely higher.



**Step 6:** Swamp: Swamp communities containing fish habitat, either seasonally or permanently. Determine the total area of seasonally flooded swamps and permanently flooded swamps containing fish habitat.

	Swamp containing fish habitat not present	Go to Step 7
X	Swamp containing fish habitat present	Continue through Step 6, scoring as follows

**Scoring of Swamp:**

1. Determine the total area (ha) of seasonally flooded swamp communities within the wetland containing fish habitat and record below.
2. Determine the total area (ha) of permanently flooded swamp communities within the wetland containing fish habitat and record in below.
3. Use these areas to assign an **Area Factor** (from Table 8).
4. Multiply the **Area Factor** by the **Multiplication Factor** for each row to calculate Score.
5. Sum all numbers in Score column to get **Total Score for Swamp**.

Scoring Swamps for Fish Habitat (Seasonally Flooded; Permanently Flooded)					
Swamp Containing Fish Habitat	Present (check)	Total Area (ha)	Area Factor (from Table 8)	Multiplication Factor	Score
Seasonally Flooded Swamp	X	18.65	0.8	10	8
Permanently Flooded Swamp	X	5.65	0.4	10	4
Total Score for High Marsh (maximum 20 points)					<u>12*</u>

\*Glenside Note: Did not score unverified vegetation communities therefore only partial score. Score likely higher.

Continue to Step 7

**Step 7: CALCULATION OF FINAL SCORE**

NOTE: Scores for Steps 4, 5, and 6 are only recorded if Steps 1 and 3 have not been scored.

A. Score from Step 1 (fish habitat not present)	=	<u>        </u>
B. Score from Step 3 (significance known)	=	<u>        </u>
C. Score from Step 4 (low marsh)	=	<u>    30    </u>
D. Score from Step 5 (High marsh)	=	<u>    10    </u>
E. Score from Step 6 (Swamp)	=	<u>    12    </u>

Calculation of Final Score for Spawning and Nursery Habitat = A or B or Sum of C, D and E

Score for Spawning and Nursery Habitat (maximum 100 points)	<u>    52*    </u>
--	--------------------

\*Glenside Note: Did not score unverified vegetation communities therefore only partial score. Score likely higher.



4.2.7.2 Migration and Staging Habitat

Step 1:

	Staging or migration Habitat is not present in the wetland	Go to Step 4, Score 0 points
	Staging or migration Habitat is present in the wetland, significance of the habitat is known	Go to Step 2
X	Staging or migration Habitat is present in the wetland, significance of the habitat is not known	Go to Step 3

Step 2: Select the highest appropriate category below. Ensure that documentation is attached to the data record.

	Significant in Ecoregion	Score 25 points in Step 4
	Significant in Ecodistrict	Score 15 points in Step 4
	Locally Significant	Score 10 points in Step 4
	Fish staging and/or migration habitat present, but not as above	Score 5 points in Step 4

Step 3: Select the highest appropriate category below based on presence of the designated site type (i.e. does not have to be the dominant site type). Note name of river for ones within 0.75 km of rivermouth.

X	Wetland is riverine at rivermouth or lacustrine at rivermouth	Score 25 points in Step 4
	Wetland is riverine, within 0.75 km of rivermouth	Score 15 points in Step 4
	Wetland is lacustrine, within 0.75 km of rivermouth	Score 10 points in Step 4
	Fish staging and/or migration habitat present, but not as above	Score 5 points in Step 4

Step 4: Enter a score from only one of the three above steps

Score for Staging and Migration Habitat  
(maximum 25 points) 25





### 4.3 ECOSYSTEM AGE

*(Fractional Areas = Area of wetland type/total area of wetland)*

	Fractional Area		Score
Bog		x 25 =	
Fen, treed to open on deep soils, floating mats or marl	0.06	x 20 =	1.2
Fen, on limestone rock		x 5 =	
Swamp	0.43	x 3 =	1.29
Marsh	0.51	x 0 =	0
Total		=	

Ecosystem Age Score *(maximum 25 points)*      2

### 4.4 GREAT LAKES COASTAL WETLANDS

*Choose one only. Only coastal wetland units may be scored.*

Wetland < 10 ha	= 10 pts
Wetland 10-50 ha	= 25
Wetland 51-100 ha	= 50
Wetland >100 ha	= 75

If the wetland is a complex, identify which wetlands units or wetland communities are being scored as coastal:

Great Lakes Coastal Wetland Score *(maximum 75 points)*      0



## 5.0 DOCUMENTATION OF WETLAND FEATURES NOT INCLUDED IN THE EVALUATION

### 5.1 INVASIVE SPECIES

Attach documentation of invasive species found in the wetland. Note location and coarse estimate of abundance (F= few, C = fairly common, A = abundant)

### 5.2 VERNAL POOLS

Documentation of information on vernal pools encountered during the wetland evaluation but not included as part of the evaluated wetland.



### 5.3 SPECIES OF SPECIAL INTEREST

#### 5.3.1 Osprey

- Present and nesting (attach map showing nest site)  
Known to have nested in last 5 yrs.
- Feeding area for Osprey
- Not as above

#### 5.3.2 Common Loon

- Nesting in wetland (attach map showing nest site)
- Feeding at edge of wetland
- Observed or heard on lake or river adjoining the wetland
- Not as above

### 5.4 IMPORTANT DRINKING WATER AREA

- Wetland located within: *(check all that apply)*
- Wellhead Protection Area
  - Intake Protection Zone
  - Significant Recharge Area
  - Vulnerable Aquifer Area

Source of Information:

Additional Comments:



## 5.5 AREA OF WETLAND RESTORATION POTENTIAL

*Check all that apply. Attach additional pages if necessary.*

- Area of wetland restoration potential adjacent to evaluated wetland unit(s)
- Area of wetland restoration potential within 750m of evaluated wetland unit(s), but not adjacent
- Area of wetland restoration potential encountered elsewhere
- Area currently functioning as wetland (e.g., showing signs of degradation but still mapped as wetland).
- Adjacent Wetland Unit (if applicable): \_\_\_\_\_
- GPS coordinates of Site: \_\_\_\_\_

Description of site (e.g., current land use, wetland characteristics of site, etc) and why it is identified as an area of restoration potential:

Additional Notes/Comments (e.g., adjacent lands, etc):



General Information

Wetland Evaluator(s)

Name:	Paul C. Heaven	Affiliation:	Glenside Ecological Services Limited
Name:	Ed Poropat	Affiliation:	Glenside Ecological Services Limited
Name:		Affiliation:	
Name:		Affiliation:	
Name:		Affiliation:	

Date(s) wetland visited: 17/06/2016; 18/06/2016; 19/06/2016; 03/07/2016

Date evaluation completed:

Estimated time devoted to completing the field survey in person hours: 60

Weather Conditions

- i. At time of work Sunny clear skies
- ii. Summer conditions in general Primarily sunny and warm with moderate rainfall





## WETLAND EVALUATION SCORING RECORD

WETLAND NAME:

### 1.0 BIOLOGICAL COMPONENT

#### 1.1 PRODUCTIVITY

7		1.1.1 Growing Degree-Days/Soils
11		1.1.2 Wetland Type
2		1.1.3 Site Type
20		Total for Productivity

#### 1.2 BIODIVERSITY

20		1.2.1 Number of Wetland types
45		1.2.2 Vegetation communities (maximum 45)
7		1.2.3 Diversity of Surrounding Habitat (maximum 7)
8		1.2.4 Proximity to Other Wetlands
24		1.2.5 Interspersion
14		1.2.6 Open Water type
118		Total for Biodiversity

50		1.3 SIZE (Biological Component)
----	--	---------------------------------

188		TOTAL FOR BIOLOGICAL COMPONENT ( <i>not to exceed 250</i> )
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## 2.0 SOCIAL COMPONENT

	2.1	ECONOMICALLY VALUABLE PRODUCTS
<u>11</u>	2.1.1	Wood Products
<u>0</u>	2.1.2	Low Bush Cranberry
<u>0</u>	2.1.3	Wild Rice
<u>12</u>	2.1.4	Commercial Baitfish
<u>12</u>	2.1.5	Furbearers
<u>35</u>		Total for Economically Valuable Products
<u>80</u>	2.2	RECREATIONAL ACTIVITIES ( <i>maximum 80</i> )
	2.3	LANDSCAPE AESTHETICS
<u>3</u>	2.3.1	Distinctness
<u>4</u>	2.3.2	Absence of Human Disturbance
<u>7</u>		Total for Landscape Aesthetics
	2.4	EDUCATION AND PUBLIC AWARENESS
<u>0</u>	2.4.1	Educational Uses
<u>0</u>	2.4.2	Facilities and Programs
<u>12</u>	2.4.3	Research and Studies
<u>12</u>		Total for Education and Public Awareness
<u>10</u>	2.5	PROXIMITY TO AREAS OF HUMAN SETTLEMENT
<u>5</u>	2.6	OWNERSHIP
<u>20</u>	2.7	SIZE (Social Component)
<u>0</u>	2.8	ABORIGINAL AND CULTURAL VALUES
<u>169</u>		TOTAL FOR SOCIAL COMPONENT ( <i>not to exceed 250</i> )



### 3.0 HYDROLOGICAL COMPONENT

<u>73</u>	3.1	FLOOD ATTENUATION
	3.2	GROUNDWATER RECHARGE
<u>17</u>	3.2.1	Site Type
<u>7</u>	3.2.2	Soil Recharge Potential
<u>24</u>		Total for Groundwater Recharge
	3.3	WATER QUALITY IMPROVEMENT
<u>27</u>	3.3.1	Watershed Improvement Factor
<u>19</u>	3.3.2	Adjacent and Watershed Land Use
<u>10</u>	3.3.3	Vegetation Form
<u>56</u>		Total for Water Quality Improvement
<u>6</u>	3.4	CARBON SINK
<u>15</u>	3.5	SHORELINE EROSION CONTROL
<u>20</u>	3.6	GROUNDWATER RECHARGE ( <i>maximum 30</i> )
<u>194</u>		TOTAL FOR HYDROLOGICAL COMPONENT ( <i>not to exceed 250</i> )



## 4.0 SPECIAL FEATURES

	4.1	Rarity
<u>40</u>	4.1.1	Wetlands
	4.1.2	Species
<u>500</u>	4.1.2.1	Endangered or Threatened Species Breeding Habitat
<u>150</u>	4.1.2.2	Traditional Use by Endangered or Threatened Species
<u>125</u>	4.1.2.3	Provincially Significant Animals
<u>0</u>	4.1.2.4	Provincially Significant Plants
<u>0</u>	4.1.2.5	Regionally Significant Species
<u>0</u>	4.1.2.6	Locally Significant Species
<u>10</u>	4.1.2.7	Species of Special Status
<u>825</u>		Total for Rarity
	4.2	SIGNIFICANT FEATURES OR HABITAT
<u>50</u>	4.2.1	Colonial Waterbirds
<u>10</u>	4.2.2	Winter Cover for Wildlife
<u>0</u>	4.2.3	Waterfowl Staging and Moulting
<u>10</u>	4.2.4	Waterfowl Breeding
<u>0</u>	4.2.5	Migratory Passerine, Shorebird or Raptor Stopover
<u>15</u>	4.2.6	Ungulate Habitat
<u>52</u>	4.2.7	Fish Habitat
<u>137</u>		Total for Significant Features and Habitat
<u>2</u>	4.3	ECOSYSTEM AGE
<u>0</u>	4.4	GREAT LAKES COASTAL WETLANDS
<u>250(964)</u>		TOTAL FOR SPECIAL FEATURES COMPONENT ( <i>not to exceed 250</i> )



**SUMMARY OF EVALUATION RESULT**

Wetland: \_\_\_\_\_

<u>188</u>	1.0	TOTAL FOR BIOLOGICAL COMPONENT
<u>169</u>	2.0	TOTAL FOR SOCIAL COMPONENT
<u>194</u>	3.0	TOTAL FOR HYDROLOGICAL COMPONENT
<u>250</u>	4.0	TOTAL FOR SPECIAL FEATURES COMPONENT
<u>801</u>		TOTAL WETLAND SCORE

FOR MNR USE ONLY	
MNR Reviewer (Name & Position)	
Reviewer Comments	
MNR Approver (Name and Position)	
Approval Date	





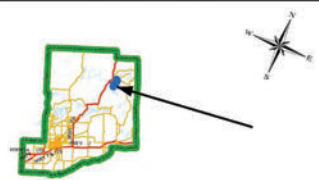
APPENDICES

APPENDIX 1: MAPS

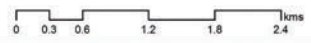




**Brooks and Sheep's Bay Wetland Complex  
Wetland Units**



- Legend**
- Waterflow
  - Wetland Units
  - Highway
  - County
  - Local
  - Service
  - Other Lakes
  - Other Wetlands
  - Catchment Basin
  - Townships
  - Lot Fabric
  - County of Peterborough



**Property Description**

Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough

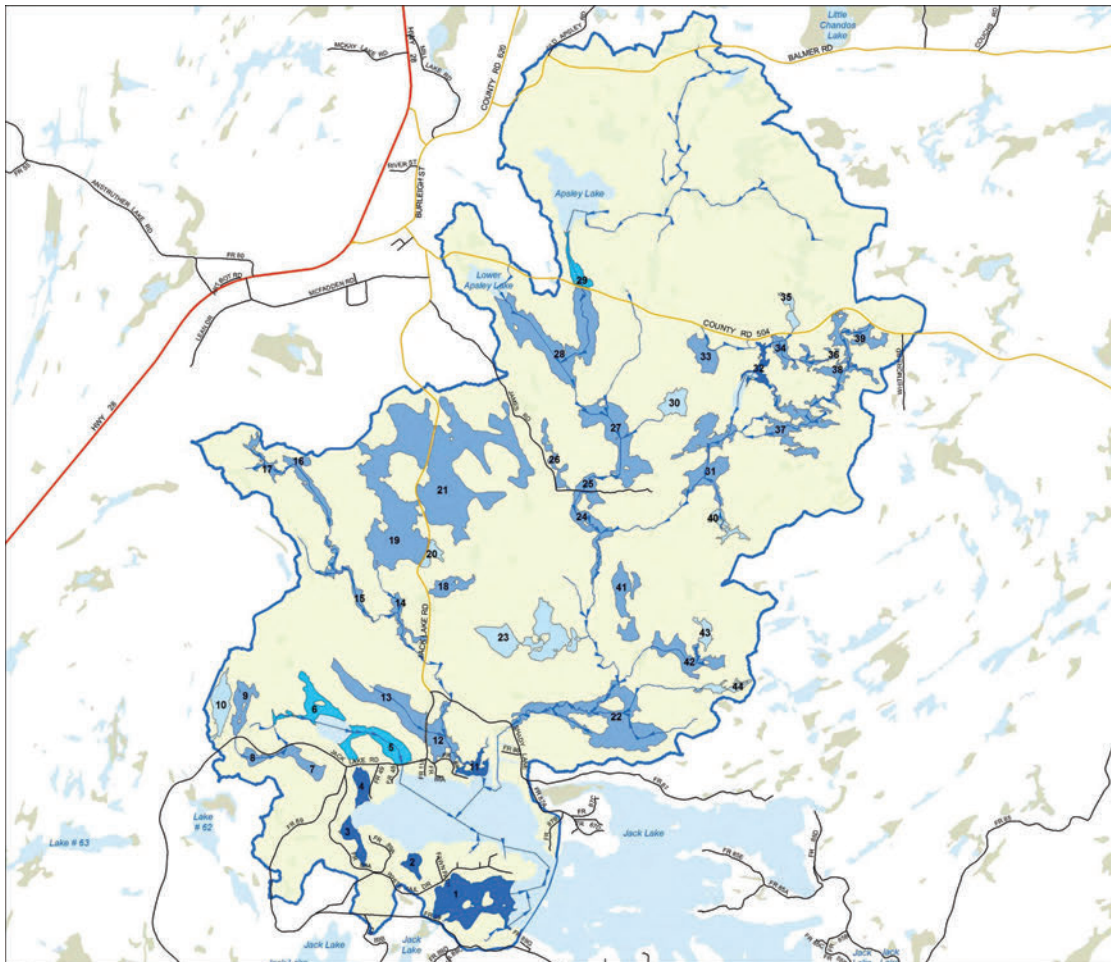
Client  
Jack Lake Association

Date: July 2016 Project: 16005

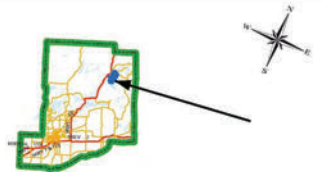
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 Data Sources:  
 Base Data - Land Information Ontario (LIO)  
 SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
 Projection: UTM Zone 17N (North American Datum 1983)  
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Produced by:  

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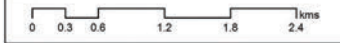


**Brooks and Sheep's Bay Wetland Complex  
Wetland Site Type**



**Legend**

- |                 |                              |
|-----------------|------------------------------|
| Highway         | Lacustrine (at rivermouth)   |
| County Road     | Lacustrine (exposed to lake) |
| Local Road      | Palustrine (with inflow)     |
| Service Road    | Palustrine (no inflow)       |
| Other Lakes     | Other Wetlands               |
| Catchment Basin | County of Peterborough       |



**Property Description**

Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough

**Client**

Jack Lake Association

Date: July 2016 Project: 16005

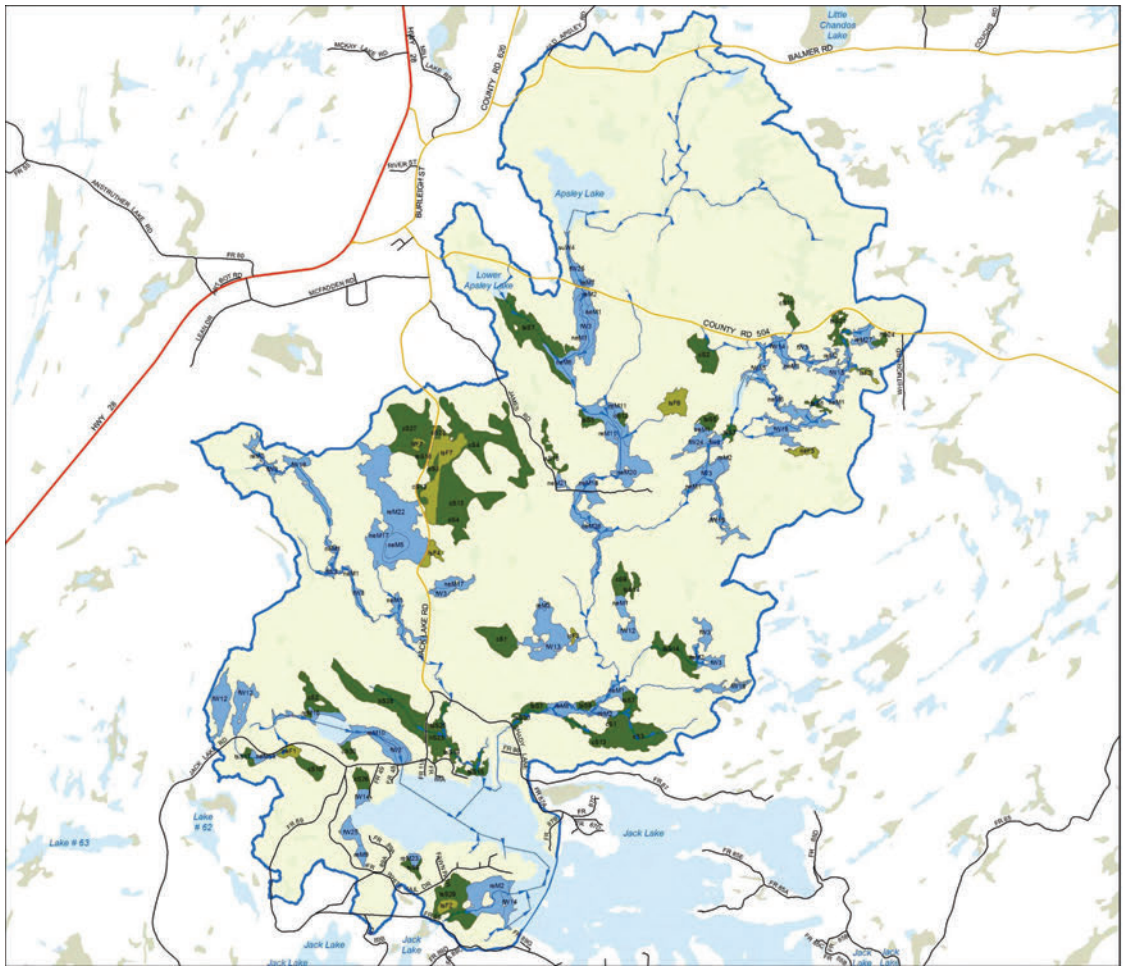
**Data Information:**

**Data Sources:**  
 Base Data - Land Information Ontario (LIO)  
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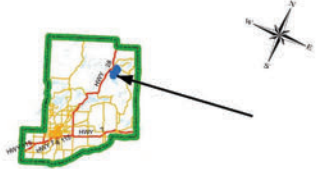
**Produced by:**







**Brooks and Sheep's Bay Wetland Complex  
Wetland Type**



**Legend**

	Highway		Marsh (M, W)
	County		Fen (F)
	Local		Swamp (S)
	Service		
	Other Lakes		
	Other Wetlands		
	Catchment Basin		
	County of Peterborough		

Scale: 0 0.3 0.6 1.2 1.8 2.4 kms

**Property Description**

Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough

**Client**  
Jack Lake Association

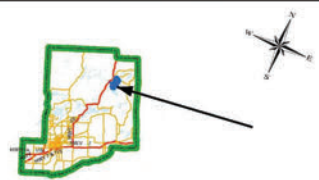
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**Data Information:**  
Data Sources:  
Base Data - Land Information Ontario (LIO)  
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**Brooks and Sheep's Bay Wetland Complex  
Soil Type**



**Legend**

	Highway		Mineral, Sand
	County		Organic, Humic
	Local		Organic, Mesic
	Service		Organic, Fibric
	Other Lakes		
	Other Wetlands		
	Catchment Basin		
	County of Peterborough		

Scale: 0 0.3 0.6 1.2 1.8 2.4 kms

**Property Description**

Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough

**Client**

Jack Lake Association

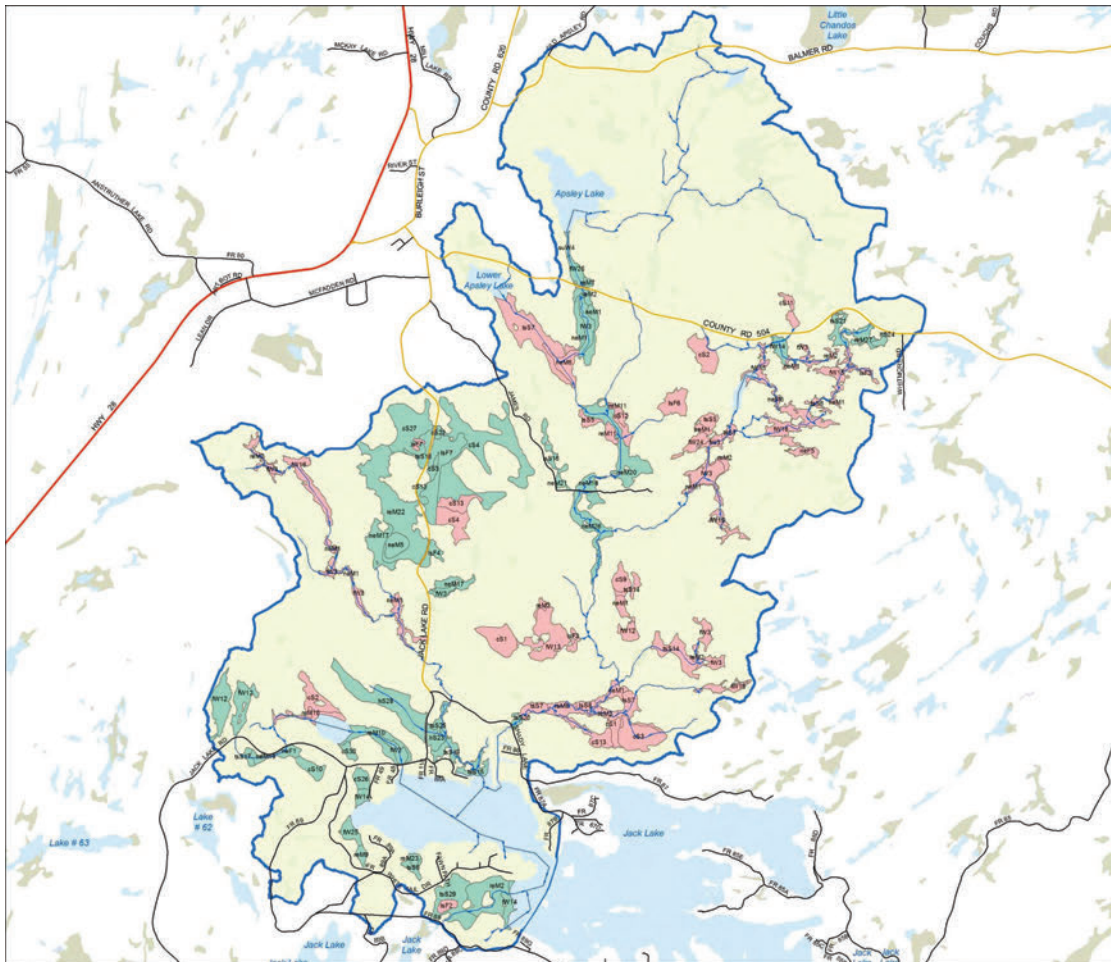
Date: July 2016 Project: 16005

**Data Information:**  
 Data Sources:  
 Base Data - Land Information Ontario (LIO)  
 SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
 Projection: UTM Zone 17N (North American Datum 1983)  
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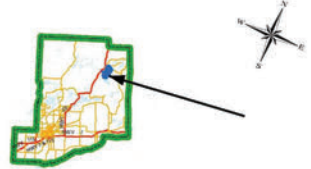
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**Brooks and Sheep's Bay Wetland Complex  
Verification**



**Legend**

Highway	Field Verified
County	Aerial Imagery
Local	
Service	
Other Lakes	
Other Wetlands	
Catchment Basin	
County of Peterborough	

Scale: 0 0.3 0.6 1.2 1.8 2.4 kms

**Property Description**

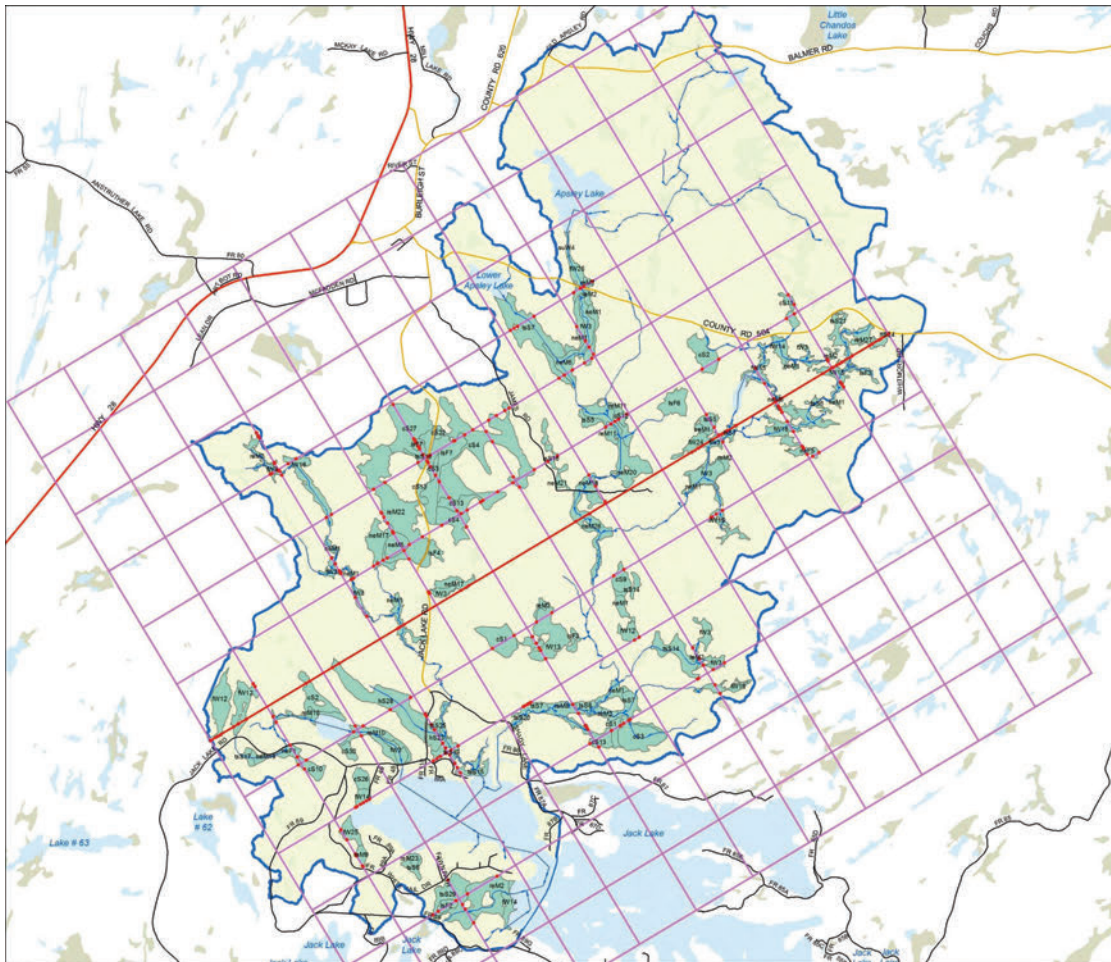
Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough

**Client**  
Jack Lake Association

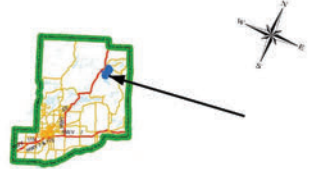
Date: July 2016 Project: 16005

**Data Information:**  
Data Sources:  
Base Data - Land Information Ontario (LIO)  
SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
Projection: UTM Zone 17N (North American Datum 1983)  
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**Brooks and Sheep's Bay Wetland Complex  
Interspersion**



**Legend**

Highway	Interspersion
County	Intersections
Local	Axis
Service	Grid
Other Lakes	Vegetation Communities
Other Wetlands	
Catchment Basin	
County of Peterborough	

Scale: 0 0.3 0.6 1.2 1.8 2.4 kms

Property Description

**Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough**

Client

**Jack Lake Association**

Date: July 2016 Project: 16005

Data Information:

Data Sources:

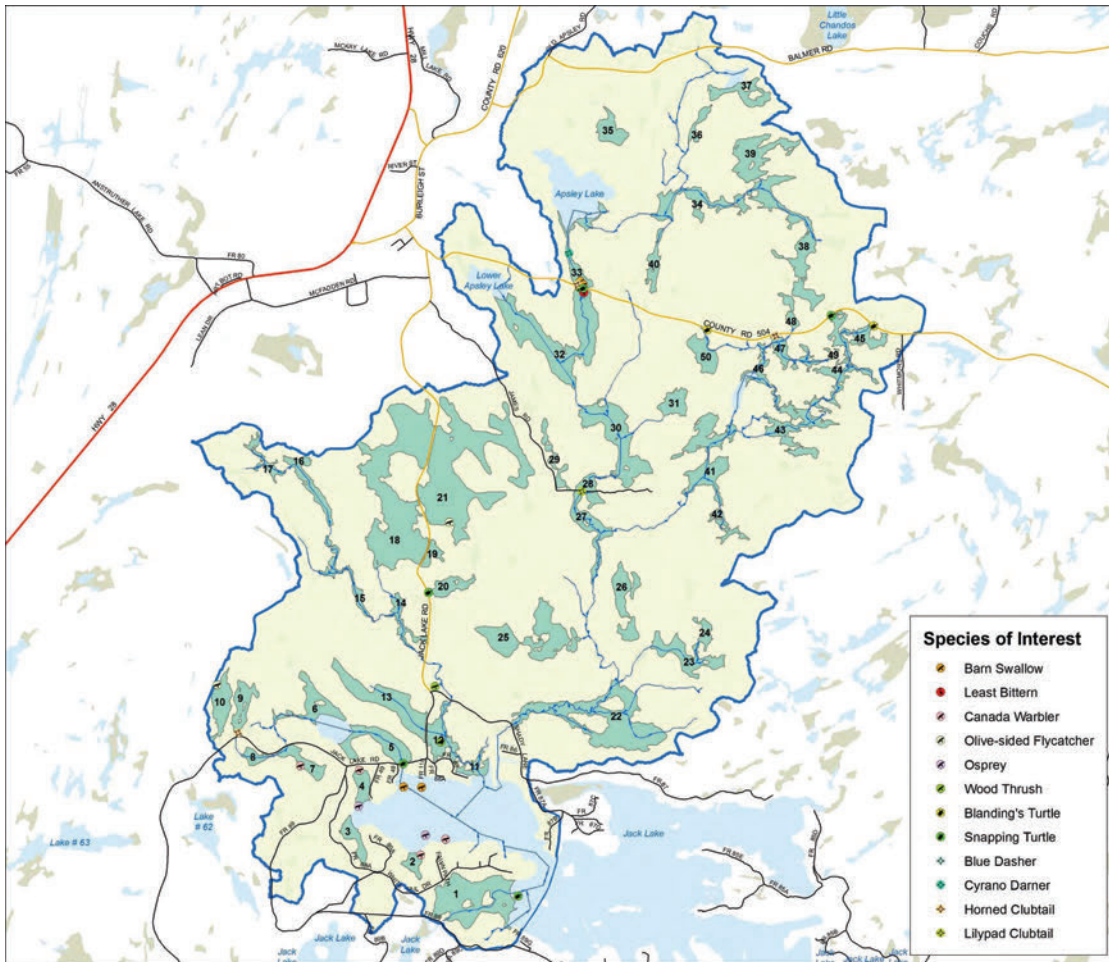
Base Data - Land Information Ontario (LIO)  
SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
Projection: UTM Zone 17N (North American Datum 1983)

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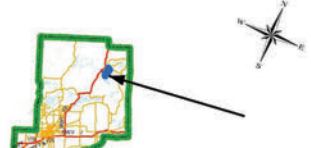
Produced by:

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**Brooks and Sheep's Bay Wetland Complex  
Species of Interest  
Field Investigation**



**Legend**

- Highway
- County
- Local
- Service
- Wetland Units
- Other Lakes
- Other Wetlands
- Catchment Basin
- County of Peterborough

Scale: 0 0.3 0.6 1.2 1.8 2.4 kms

**Property Description**

Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough

**Client**

Jack Lake Association

Date: July 2016 Project: 16005

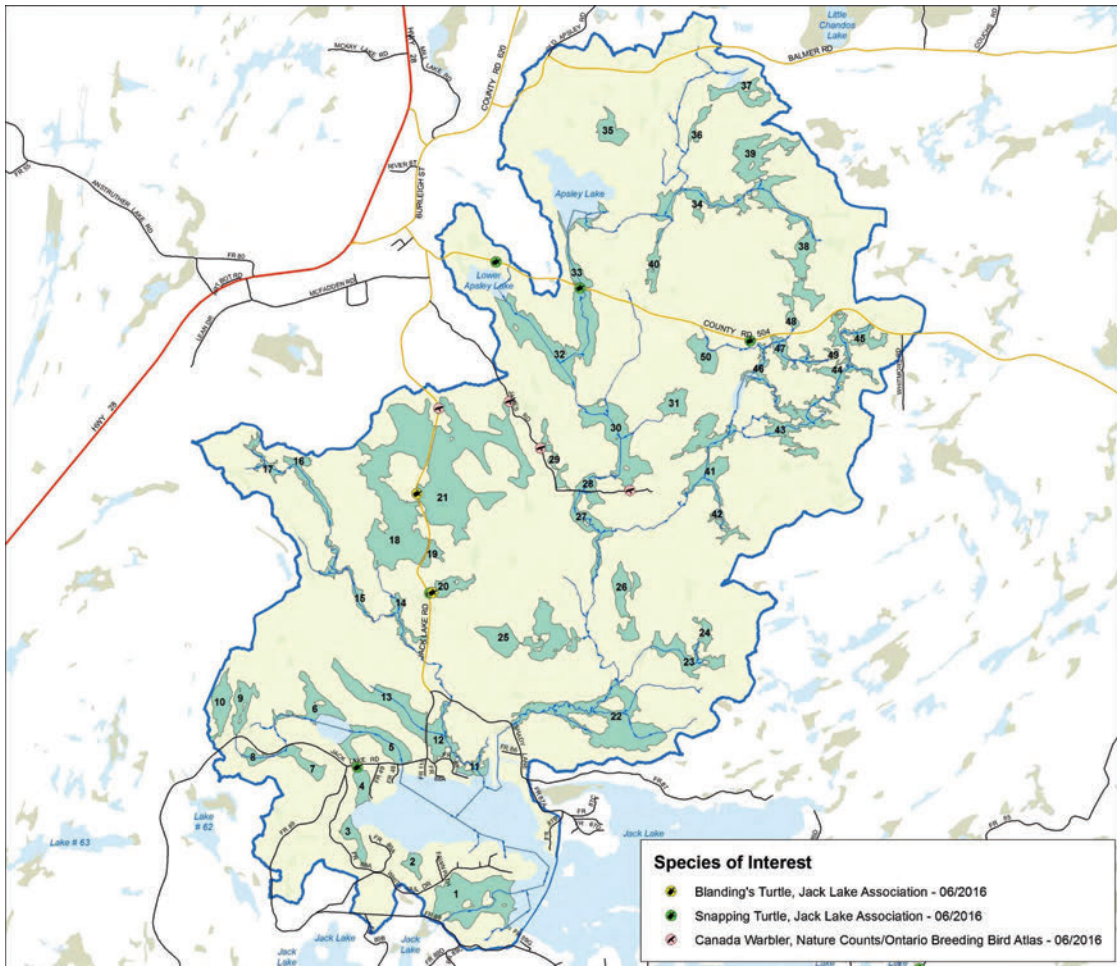
**Data Information:**

Base Data - Land Information Ontario (LIO)  
SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
Projection: UTM Zone 17N (North American Datum 1983)

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**Brooks and Sheep's Bay Wetland Complex**  
**Species of Interest**  
**Historical**

**Legend**

- Highway
- County
- Local
- Service
- Wetland Units
- Other Lakes
- Other Wetlands
- Catchment Basin
- County of Peterborough

0 0.3 0.6 1.2 1.8 2.4 kms

**Property Description**

Brooks and Sheep's Bay Wetland Complex  
 Jack Lake  
 County of Peterborough

**Client**

Jack Lake Association

Date: July 2016 Project: 16005

**Data Information:**

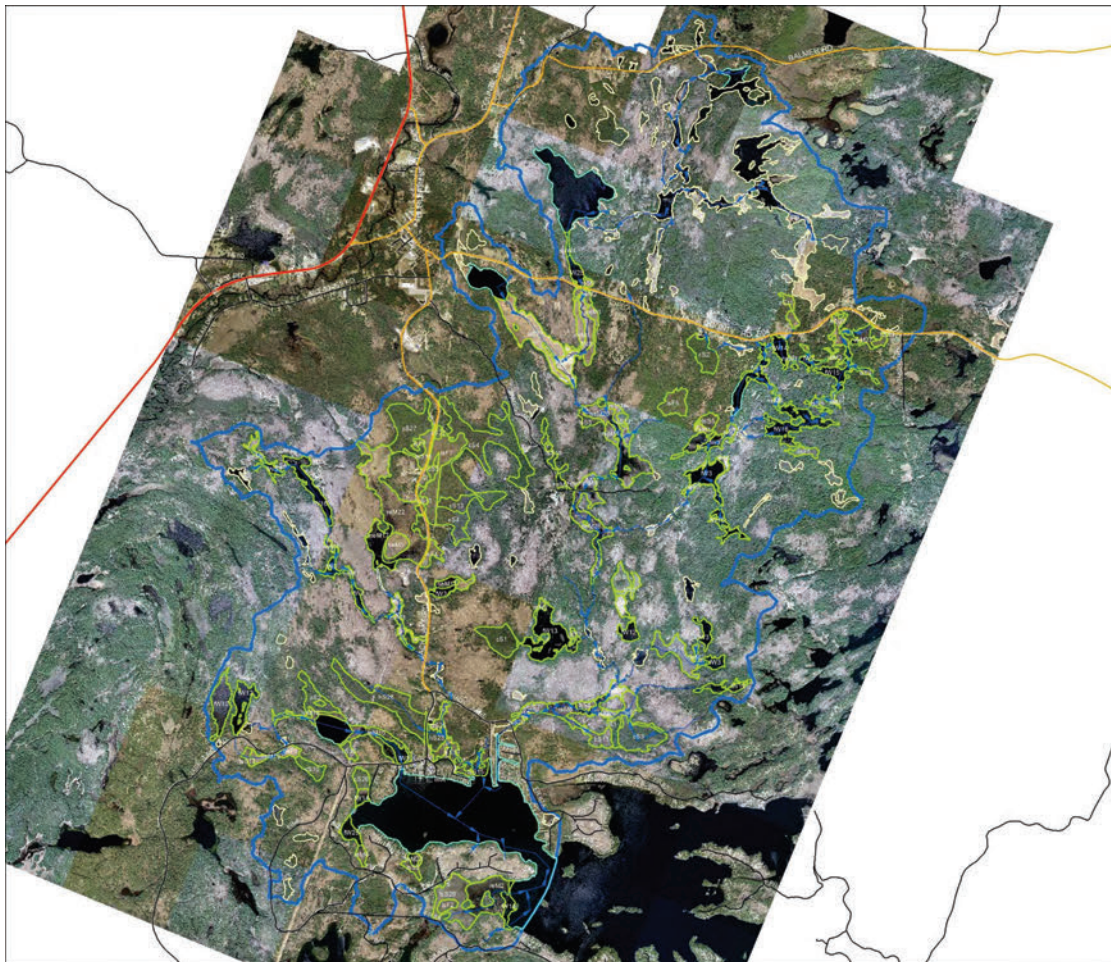
Base Data - Land Information Ontario (LIO)  
 SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
 Projection: UTM Zone 17N (North American Datum 1983)

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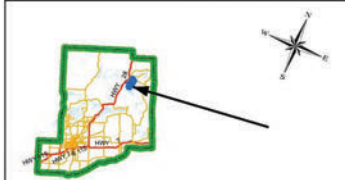
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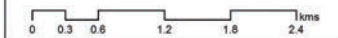


**Brooks and Sheep's Bay Wetland Complex  
Aerial Photography**



**Legend**

- |                        |              |
|------------------------|--------------|
| Highway                | Marsh (M, W) |
| County                 | Fen (F)      |
| Local                  | Swamp (S)    |
| Service                |              |
| Catchment Basin        |              |
| County of Peterborough |              |



**Property Description**

**Brooks and Sheep's Bay Wetland Complex  
Jack Lake  
County of Peterborough**

**Client**

**Jack Lake Association**

Date: June 2016

Project: 16005

**Data Information:**

**Data Sources:**  
Base Data - Land Information Ontario (LIO)  
SCOP Imagery - Ontario Ministry of Natural Resources and Forestry  
Projection: UTM Zone 17N (North American Datum 1983)

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**Produced by:**





## APPENDIX 2: WETLAND DATA SUMMARY FORM

Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat						Fld Vrfd		
		Dom. Form	Forms	# Form	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr		Mult Fctr	
IsF4	Fen	ls	c, ls, ne*	3	c, Larix laricina; ls, Chamaedaphne calyculata, Andromeda polifolia; ne, Carex lacustris	2.23	Organic	Mesic		0	0.00						Y
cS13	Swamp	ts	c, ts*, ne	3		3.50	Organic			0	0.00						
IsF7	Fen	ls	c, ls*, ne, gc, m	5		0.68	Organic			0	0.00						
reM2	Marsh	re	re*	1		2.04	Organic		High Marsh	100	2.04		Seasonal	0.2	5		
fW16	OWM	f	re, f*	2		5.88	Organic		Low Marsh	100	5.88		Permanent	0.4	2		
fW3	OWM	f	f*	1	f, Persicaria amphibia var. stipulace, Nymphaea odorata ssp. odorata, Nuphar variegata	2.34	Mineral	Sand	Low Marsh	100	2.34	7	Permanent	0.2	11	Y	
tsS8	Swamp	ts	ts*, re	2	ts, Salix petiolaris; re, Typha latifolia	1.42	Organic	Mesic	Swamp	100	1.42		Permanent	0.2	1	Y	
reM10	Marsh	re	re*, gc	2	re, Typha angustifolia; gc, Onoclea sensibilis	5.91	Mineral	Sand	Low Marsh	100	5.91	3	Permanent	0.4	5	Y	
neM17	Marsh	ne	dc, re, ne*	3		5.84	Organic	Mesic	Low Marsh	100	5.84	2	Permanent	0.4	11	Y	
fW3	OWM	f	f*	1	f, Brasenia schreberi, Nymphaea odorata ssp. odorata, Nuphar variegata	1.40	Mineral	Sand	Low Marsh	100	1.40	7	Permanent	0.2	11	Y	
reM9	Marsh	re	re*, ff	2	re, Typha latifolia; ff, Spirodela polyrrhiza	1.24	Mineral	Sand	Low Marsh	100	1.24	3	Permanent	0.2	5	Y	
cS30	Swamp	c	c*, d, h, ts, ls, ne, gc, ff	7	c, Abies balsamea; d, Fraxinus nigra; ts, Ilex verticillata, Salix petiolaris; ls, Cornus stolonifera, Rubus pubescens; ne, Poa palustris; gc, Lycopodium uniflorum; ff, Spirodela polyrrhiza	1.36	Organic	Fibric		0	0.00						Y
cS26	Swamp	c	c*, h, ts, ls, re, ne	6	c, Thuja occidentalis; h, Acer rubrum, Fraxinus nigra, Ulmus americana; ts, Salix petiolaris; re, Typha latifolia; ne, Carex utriculata, Carex diandra	2.33	Organic	Mesic	Swamp	10	0.23		Seasonal	0.1	10	Y	
cS2	Swamp	c	c*, h	2		5.07	Organic			0	0.00						
fW3	OWM	f	f*	1		1.65	Organic		Low Marsh	100	1.65		Permanent	0.2	2		



Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat							
		Dom. Form	Forms	# Form	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr	Mult Fctr	Fld Vrfd
fw3	OWM	f	f*	1		0.77	Organic		Low Marsh	100	0.77		Permanent	0.2	2	
neF1	Fen	ne	ne*	1	ne, Carex livida, Carex lasiocarpa, Carex stricta	1.75	Organic	Fibric		0	0.00					Y
reM2	Marsh	re	re*	1		2.27	Organic		High Marsh	100	2.27		Seasonal	0.2	5	
fw3	OWM	f	f*	1		1.69	Organic		Low Marsh	100	1.69		Permanent	0.2	2	
neM1	Marsh	ne	ne*	1		0.55	Organic		High Marsh	100	0.55		Seasonal	0.2	5	
neM1	Marsh	ne	ne*	1		3.87	Organic		High Marsh	80	3.10		Seasonal	0.2	5	
reM22	Marsh	re	dc, ls, re*	3	dc; ls, Chamaedaphne calyculata; re, Typha latifolia	24.36	Organic	Mesic	Low Marsh	100	24.36	3	Permanent	1	5	Y
fw25	OWM	f	f*, ff, su	3	f, Nuphar variegata, Nymphaea odorata ssp. odorata; ff, Utricularia intermedia; su, Potamogeton robbinsii	2.39	Organic	Mesic	Low Marsh	100	2.39	7	Permanent	0.2	11	Y
fw16	OWM	f	re, f*	2		2.45	Organic		Low Marsh	100	2.45		Permanent	0.2	2	
fw3	OWM	f	f*	1		1.62	Organic		Low Marsh	100	1.62		Permanent	0.2	2	
fw3	OWM	f	f*	1		2.10	Organic		Low Marsh	100	2.10		Permanent	0.2	2	
fw12	OWM	f	dc, f*	2	dc; f, Brasenia schreberi	6.54	Mineral	Sand	Low Marsh	100	6.54	7	Permanent	0.4	11	Y
fw12	OWM	f	dc, f*	2	dc; f, Brasenia schreberi, Nuphar variegata, Nymphaea odorata ssp. odorata	5.47	Mineral	Sand	Low Marsh	100	5.47	7	Permanent	0.4	11	Y
reM2	Marsh	re	re*	1	re, Typha latifolia	9.43	Organic	Mesic	Low Marsh	100	9.43	3	Permanent	0.4	5	Y
fw25	OWM	f	f*, ff, su	3	f, Nymphaea odorata ssp. odorata, Nuphar variegata; ff, Utricularia vulgaris; su, Ceratophyllum demersum	2.55	Organic	Mesic	Low Marsh	100	2.55	7	Permanent	0.2	11	Y
fw14	OWM	f	f*, su	2	f, Nymphaea odorata ssp. odorata, Nuphar variegata; su, Ceratophyllum demersum, Myriophyllum sibiricum	1.40	Organic	Mesic	Low Marsh	100	1.40	7	Permanent	0.2	11	Y
neM19	Marsh	ne	ls, ne*, gc	3	ls, Spiraea alba; ne, Carex stricta, Calamagrostis canadensis, Carex stipata; gc, Eupatorium perfoliatum	1.10	Organic	Fibric		0	0.00					Y
cS10	Swamp	c	c*, h, ls	3	c, Thuja occidentalis, Larix laricina; h, Acer rubrum; ls, Spiraea alba	2.74	Organic			0	0.00					Y
reM10	Marsh	re	re*, gc	2		2.79	Organic		High Marsh	100	2.79		Seasonal	0.2	5	



Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat							Fld Vrfd	
		Dom. Form	Forms	# Form	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr	Mult Fctr		
hS23	Swamp	h	c, h*, ts, ls, gc	5	c, Thuja occidentalis, Abies balsamea; h, Fraxinus nigra; ts, Alnus incana; ls, Rubus pubescens; gc, Onoclea sensibilis, Cornus canadensis	2.91	Mineral	Sand		0	0.00						Y
cS27	Swamp	c	c*, ts, ls, ne, gc, m	6	c, Larix laricina, Picea mariana; ts, Ilex verticillata, Alnus incana; ls, Rhododendron groenlandicum, Vaccinium myrtilloides; ne, Carex aquatilis; gc, Maianthemum trifolium; m, Sphagnum sp.	12.50	Mineral	Sand		0	0.00						Y
cS22	Swamp	c	c*, ls, ne, gc, m	5	c, Larix laricina, Picea mariana; ls, Chamaedaphne calyculata, Rhododendron groenlandicum; ne, Carex aquatilis; gc, Maianthemum trifolium; m, Sphagnum sp.	0.55	Organic	Mesic		0	0.00						Y
cS4	Swamp	c	c*, ts	2	c, Larix laricina; ts, Ilex mucronata	28.30	Organic	Mesic		0	0.00						Y
tsS18	Swamp	ts	dc, ts*, ne, gc	4	dc; ts, Alnus incana, Ilex verticillata; ne, Calamagrostis canadensis, Carex stipata; Carex interior; gc, Impatiens capensis	2.42	Mineral	Sand		0	0.00						Y
neM18	Marsh	ne	ls, ne*, f	3	ls, Myrica gale; ne, Carex stricta, Carex lacustris; f, Nuphar variegata, Nymphaea odorata ssp. odorata	2.28	Mineral	Sand	High Marsh	100	2.28	2	Seasonal	0.2	11	Y	
neM26	Marsh	ne	ls, ne*, be, f	4	ls, Myrica gale; ne, Carex lacustris, Carex stricta; be, Pontederia cordata; f, Nuphar variegata, Nymphaea odorata ssp. odorata	9.02	Organic	Mesic	High Marsh	100	9.02	2	Seasonal	0.4	11	Y	
neM1	Marsh	ne	ne*	1		1.72	Organic		High Marsh	40	0.69		Seasonal		5		
fW12	OWM	f	dc, f*	2		2.18	Organic		Low Marsh	100	2.18		Permanent	0.2	2		
tsS14	Swamp	ts	dc, ts*, ne	3		6.29	Organic			0	0.00						
neM20	Marsh	ne	ls, ne, m	3	ls, Myrica gale; ne, Carex lacustris; m, Sphagnum sp.	11.84	Organic	Mesic	Low Marsh	100	11.84	2	Permanent	0.6	11	Y	
tsS5	Swamp	ts	c, ts*	2		1.51	Organic		Swamp	100	1.51		Seasonal	0.2	10		
cS12	Swamp	h	c, h*, dc	3		0.78	Organic			0	0.00						
fW24	OWM	f	dc, ne, f*	3		2.56	Organic		Low Marsh	100	2.56		Permanent	0.2	2		
neM1	Marsh	ne	ne*	1		0.93	Organic		High Marsh	100	0.93		Seasonal	0.2	5		



Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat						Fld Vrfd	
		Dom. Form	Forms	# Form	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr		Mult Fctr
fW15	OWM	f	ne, f*	2		2.53	Organic		Low Marsh	100	2.53		Permanent	0.2	2	
neF5	Fen	ne	c, ts, ls, ne*	4		1.68	Organic			0	0.00					
fW16	OWM	f	re, f*	2		8.86	Organic		Low Marsh	100	8.86		Permanent	0.4	2	
reM27	Marsh	re	dc, ls, re*, gc	4	dc; ls, Spiraea alba; re, Typha latifolia; gc, Onoclea sensibilis	2.69	Mineral	Sand	High Marsh	100	2.69	3	Seasonal	0.2	5	Y
fW15	OWM	f	ne, f*	2		3.98	Organic		Low Marsh	100	3.98		Permanent	0.2	2	
tsS6	Swamp	ts	ts*, f	2		0.99	Organic		Swamp	100	0.99		Permanent	0.2	1	
cS11	Swamp	h	c, h*, ne	3		2.15	Organic			0	0.00					
fW14	OWM	f	f*, su	2	f, Nuphar variegata, Nymphaea odorata ssp. odorata; su, Utricularia vulgaris, Chara spp.	2.57	Mineral	Sand	Low Marsh	100	2.57	7	Permanent	0.2	11	Y
neM6	Marsh	ne	ls, ne*	2		0.75	Organic		High Marsh	100	0.75		Seasonal	0.2	5	
cS2	Swamp	c	c*, h	2		5.70	Organic			0	0.00					
lsF6	Fen	ls	c, ls*, ne, m	4		4.55	Organic			0	0.00					
tsS5	Swamp	ts	c, ts*	2		1.91	Organic			0	0.00					
tsS7	Swamp	ts	ts*, ne	2		1.24	Organic		Swamp	50	0.62		Seasonal	0.2	10	
neM6	Marsh	ne	ls, ne*	2	ls, Myrica gale, Spiraea alba; ne, Calamagrostis canadensis, Carex lacustris	4.16	Mineral	Sand	High Marsh	10	0.42		Seasonal	0.1	5	
tsS7	Swamp	ts	ts*, ne	2		14.55	Organic		Swamp	10	1.46		Seasonal	0.2	10	
fW13	OWM	f	f*, ne	2		11.45	Organic		Low Marsh	100	11.45		Permanent	0.6	2	
cS1	Swamp	c	c*	1		6.54	Organic			0	0.00					
cS13	Swamp	ts	c, ts*, ne	3		4.06	Organic		Swamp	20	0.81		Seasonal	0.2	10	
cS1	Swamp	c	c*	1		1.93	Organic			0	0.00					
cS3	Swamp	c	c*, m	2		8.40	Organic			0	0.00					
tsS7	Swamp	ts	ts*, ne	2		4.21	Organic			0	0.00					
reM8	Marsh	re	re*, f	2		4.88	Organic		Low Marsh	100	4.88		Permanent	0.2	2	
tsS15	Swamp	ts	ts*, ls, ne	3	ts, Salix petiolaris, Alnus incana; ls, Spiraea alba; ne, Calamagrostis canadensis	2.86	Mineral	Sand	Swamp	50	1.43		Permanent	0.2	1	Y
tsS19	Swamp	ts	h, ts*, ne, gc	4	h, Fraxinus nigra; ts, Alnus incana, ne, Carex stipata, Phalaris	2.64	Mineral	Sand	Swamp	40	1.06		Seasonal	0.2	10	Y





Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat						Fld Vrfd	
		Dom. Form	Forms	# Form	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr		Mult Fctr
					arundinacea; gc, Impatiens capensis, Gallium palustre											
ts25	Swamp	ts	c, d, ts*, ne, gc	5	c, Abies balsamea; d, Acer rubrum, Fraxinus nigra; ts, Alnus incana; ne, Carex crinita, Phalaris arundinacea; gc, Impatiens capensis, Laportea canadensis, Eutrochium maculatum	1.73	Mineral	Sand		0	0.00					Y
hS28	Swamp	h	h*, c, ts, ls, gc, m	6	h, Fraxinus nigra, Acer rubrum; c, Thuja occidentalis, Picea mariana, Abies balsamea; ts, Alnus incana; ls, Rubus pubescens; gc, Onoclea sensibilis, Trientalis borealis; m, Ptilium crista-castrensis	15.00	Organic	Humic		0	0.00					Y
fW15	OWM	f	ne, f*	2		2.81	Organic		Low Marsh	100	2.81		Permanent	0.2	2	
lsF2	Fen	ls	ls*, ne	2		1.58	Organic			0	0.00					
ts29	Swamp	ts	h, ts*, ls, re, ne, gc	6	h, Acre rubrum; ts, Alnus incana; ls, Chamaedaphne calyculata; re, Typha latifolia; ne, Calamagrostis canadensis; gc, Lycopus uniflorus, Triadenum fraseri	9.73	Organic	Fibric	Swamp	100	9.73		Seasonal	0.4	10	Y
ts17	Swamp	ts	dc, ts*, ls, ne	4	dc; ts*, Alnus incana; ls, Spiraea alba; ne, Calamagrostis canadensis	1.02	Organic	Mesic		0	0.00					Y
ts20	Swamp	ts	ts*, ls, ne, gc	4	ts, Alnus incana; ls, Spiraea alba; ne, Carex lacustris; gc, Thalictrum pubescens, Eutrochium maculatum	0.85	Mineral	Sand	Swamp	10	0.09		Permanent	0.1	1	Y
ts7	Swamp	ts	ts*, ne	2		2.31	Organic		Swamp	50	1.16		Permanent	0.2	1	
ts8	Swamp	ts	ts*, re	2		1.16	Organic		Swamp	50	0.58		Permanent	0.2	1	
reM2	Marsh	re	re*	1		1.03	Organic		High Marsh	100	1.03		Seasonal	0.2	5	
neM1	Marsh	ne	ne*	1		1.96	Organic		High Marsh	40	0.79		Seasonal	0.2	5	
reM2	Marsh	re	re*	1		1.03	Organic		High Marsh	100	1.03		Seasonal	0.2	5	
ts14	Swamp	ts	dc, ts*, ne	3		1.65	Organic			0	0.00					
cS9	Swamp	c	c*, dc, ne	3		2.84	Organic			0	0.00					
reM11	Marsh	re	re*, ne	2		1.54	Organic		High Marsh	100	1.54		Seasonal	0.2	5	
reM11	Marsh	re	re*, ne	2		2.50	Organic		High Marsh	100	2.50		Seasonal		5	
neM21	Marsh	ne	ts, ne*, gc	3	ts, Alnus incana; ne, Calamagrostis canadensis, Carex crinita, Carex	0.92	Organic	Mesic	High Marsh	100	0.92	2	Seasonal	0.2	11	Y





Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat							Fld Vrfd	
		Dom. Form	Forms	#	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr	Mult Fctr		
					viridula, Carex lacustris; gc, Lysimachia thyriflora												
IsF7	Fen	ls	c, ls*, ne, gc, m	5	c, Larix laricina; ls, Chamaedaphne calyculata, Andromeda polifolia var. latifolia; ne, Eriophorum virginicum, Carex interior; gc, Maianthemum trifolium; m, Sphagnum wulfianum	11.20	Organic	Humic		0	0.00						Y
cS3	Swamp	c	c*, m	2	c, Larix laricina; m, Sphagnum spp.	1.20	Organic	Mesic		0	0.00						Y
cS13	Swamp	ts	c, ts*, ne	3	c, Larix laricina, Picea mariana; ts, Alnus incana, Ilex verticillata, Viburnum cassinoides; ne, Calamagrostis canadensis, Carex stipata	0.99	Organic	Humic		0	0.00						Y
cS4	Swamp	c	c*, ts	2		5.66	Organic			0	0.00						
neM5	Marsh	ne	dc, ne*	2	dc; ne, Carex sp.	3.62	Organic			0	0.00						Y
tsS16	Swamp	ts	c, ts*, re, ne	4	c, Larix laricina, Picea mariana; ts, Salix petiolaris, Salix bebbiana; re, Typha latifolia; ne, Calamagrostis canadensis	2.68	Organic	Mesic		0	0.00						Y
neM1	Marsh	ne	ne*	1	ne, Carex utriculata, Eleocharis palustris, Calamagrostis canadensis	2.84	Organic	Mesic	Low Marsh	100	2.84	2	Permanent	0.2	11	Y	
reM7	Marsh	re	dc, re*	2	dc; re, Typha latifolia	0.57	Organic	Mesic	High Marsh	100	0.57	3	Seasonal	0.2	5	Y	
neM1	Marsh	ne	ne	1		0.58	Organic		High Marsh	100	0.58		Seasonal	0.2	5		
reM2	Marsh	re	re*	1		0.52	Organic		High Marsh	70	0.37		Seasonal	0.1	5		
fw3	OWM	f	f*	1		1.49	Organic		Low Marsh	100	1.49		Permanent	0.2	2		
IsF3	Fen	ne	ls, ne*	2		1.03	Organic		Low Marsh	30	0.31		Permanent	0.1	2		
tsS21	Swamp	ts	ts*, ls, re, ne	4	ts, Alnus incana; ls, Spiraea alba; re, Typha latifolia; ne, Carex lacustris	3.29	Mineral	Sand	Swamp	70	2.30		Seasonal	0.2	10	Y	
neM1	Marsh	ne	ne*	1		0.72	Organic		High Marsh	100	0.72		Seasonal	0.2	5		
fw3	OWM	f	f*	1		4.76	Organic		Low Marsh	100	4.76		Permanent	0.2	2		
neM1	Marsh	ne	ne*	1		0.89	Organic		High Marsh	100	0.89		Seasonal	0.2	5		
neM17	Marsh	ne	dc, re, ne*	3	dc; re, Typha latifolia; ne, Carex crinita, Calamagrostis canadensis, Carex lacustris	2.80	Mineral	Sand	High Marsh	100	2.80	2	Seasonal	0.2	11	Y	



Map Code	Wtld Type	Vegetation Communities				Area (ha)	Soils		Fish Habitat						Fld Vrfd	
		Dom. Form	Forms	# Form	Dominant Species		Soils	Sub Type	Type	Prcnt	Area	Veg Grp	Flood	Area Fctr		Mult Fctr
neM1	Marsh	ne	ne*	1		0.68	Organic		High Marsh	100	0.68		Seasonal	0.2	5	
hS24	Swamp	h	h*, dc, ts, re, ne	5	h, Fraxinus nigra; dc; ts, Salix bebbiana, Ilex verticillata; re, Typha latifolia; ne, Carex lacustris	0.94	Mineral	Sand	Swamp	100	0.94		Seasonal	0.2	10	Y
reM2	Marsh	re	re*	1		0.75	Organic		High Marsh	100	0.75		Seasonal	0.2	5	
IsF3	Fen	ne	ls, ne*	2		0.52	Organic		Low Marsh	20	0.10		Permanent	0.1	2	
fw14	OWM	f	f*, su	2	f, Nymphaea odorata ssp. odorata, Nuphar variegata, Brasenia schreberi; su, Potamogeton richardsonii, Myriophyllum sibiricum	2.37	Organic	Mesic	Low Marsh	100	2.37	7	Permanent	0.2	11	Y
reM23	Marsh	re	re*, ne, f	3	re, Typha latifolia, Typha angustifolia; ne, Sparganium eurycarpum; f, Nymphaea odorata ssp. odorata	0.96	Organic	Mesic	Low Marsh	100	0.96	3	Permanent	0.2	5	Y
suW4	OWM	su	su	1	su, Chara spp.	0.59	Organic	Mesic	Low Marsh	100	0.59	10	Permanent	0.2	13	Y
neM1	Marsh	ne	ne*	1	ne, Carex utriculata, Eleocharis palustris, Calamagrostis canadensis	2.42	Organic	Mesic	Low Marsh	100	2.42	2	Permanent	0.2	11	Y
reM2	Marsh	re	re*	1	re, Typha angustifolia	1.45	Organic	Mesic	Low Marsh	100	1.45	3	Permanent	0.2	5	Y
fw3	OWM	f	f*	1	f, Nymphaea odorata ssp. odorata, Nuphar variegata, Potamogeton natans	4.07	Organic	Mesic	Low Marsh	100	4.07	7	Permanent	0.2	11	Y
fw3	OWM	f	f*	1		1.64	Organic		Low Marsh	100	1.64		Permanent	0.2	2	





*Arigomphus cornutus* **Horned Clubtail**  
 Provincially Tracked?: Track all extant and selected historical EOs  
 SARO Status:  
 S Rank: S3

18/6/2016

**Location**

General County Road504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732222 Township CHANDOS  
 Northing 4959834 Lot / Concession C / 4  
 Source/Acc GPS 5m



**Observation Details**

2 males

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

*Arigomphus furcifer* **Lilypad Clubtail**  
 Provincially Tracked?: Track all extant and selected historical EOs  
 SARO Status:  
 S Rank: S3

17/6/2016

**Location**

General James Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732979 Township CHANDOS  
 Northing 4958115 Lot / Concession C / 2  
 Source/Acc GPS 5m



**Observation Details**

Resting on lilypad, 3 observed

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



*Arigomphus furcifer* Lilypad Clubtail  
 Provincially Tracked?: Track all extant and selected historical EOs  
 SARO Status:  
 S Rank: S3

17/6/2016

**Location**

General County Road 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732243 Township CHANDOS  
 Northing 4959843 Lot / Concession C / 4  
 Source/Acc GPS 5m

**Observation Details**

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

*Cardellina canadensis* Canada Warbler  
 Provincially Tracked?: Track all extant and selected historical EOs  
 SARO Status: SC  
 S Rank: S4B

17/6/2016

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 731571 Township BURLEIGH  
 Northing 4954836 Lot / Concession 15 / 15  
 Source/Acc GPS 25 m

**Observation Details**

male singing

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven





<i>Cardellina canadensis</i>	Canada Warbler
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	54B

**19/6/2016**

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732083 Township BURLEIGH  
 Northing 4955005 Lot / Concession 15 / 16  
 Source/Acc GPS 25m

**Observation Details**

1 singing male

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

**18/6/2016**

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 733045 Township METHUEN  
 Northing 4954725 Lot / Concession 29 / 11  
 Source/Acc GPS 5m

**Observation Details**

male calling

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



<i>Cardellina canadensis</i>	Canada Warbler
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S4B

18/6/2016

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732891 Township BURLEIGH  
 Northing 4954505 Lot / Concession 12 / 16  
 Source/Acc GPS 5m

**Observation Details**

male singing

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

<i>Chelydra serpentina</i>	Snapping Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S3

17/6/2016

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732427 Township BURLEIGH  
 Northing 4955211 Lot / Concession 15 / 16  
 Source/Acc GPS 5m



**Observation Details**

Depredated nest from 2016, white, round

**Observer Details**

Observer Paul Heaven  
 Observer 2



<i>Chelydra serpentina</i>	Snapping Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S3

**17/6/2016**

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732043 Township METHUEN  
 Northing 4956734 Lot / Concession 32 / 12  
 Source/Acc GPS 5m



**Observation Details**

depredated nest from 2016, white, round

**Observer Details**

Observer Paul Heaven  
 Observer 2

**17/6/2016**

**Location**

General County Road 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732243 Township ANSTRUTHER  
 Northing 4959825 Lot / Concession C / 4  
 Source/Acc GPS 5m



**Observation Details**

Freshly depredated nest, round, white

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



<i>Chelydra serpentina</i>	Snapping Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S3

**17/6/2016**

**Location**

General County Road 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732258 Township CHANDOS  
 Northing 4959818 Lot / Concession C / 4  
 Source/Acc GPS 5m



**Observation Details**

Freshly depredated nest, eggs round and white

**Observer Details**

Observer Paul Heaven  
 Observer 2

**18/6/2016**

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 733851 Township METHUEN  
 Northing 4954499 Lot / Concession 28 / 10  
 Source/Acc GPS 5m

**Observation Details**

swimming in wetland

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven





<i>Chelydra serpentina</i>	Snapping Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S3

19/6/2016

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732284 Township CHANDOS  
 Northing 4959824 Lot / Concession C / 4  
 Source/Acc GPS 5m



**Observation Details**

recently depredated nest, eggs round and white (fresh)

**Observer Details**

Observer Paul Heaven  
 Observer 2 Ed Poropat

19/6/2016

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 734461 Township CHANDOS  
 Northing 4960461 Lot / Concession 4 / 4  
 Source/Acc GPS 5m



**Observation Details**

recently depredated nest, eggs round and white (fresh)

**Observer Details**

Observer Paul Heaven  
 Observer 2 Ed Poropat





<i>Contopus cooperi</i>	Olive-sided Flycatcher
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	54B

19/6/2016

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 730594 Township BURLEIGH  
 Northing 4955225 Lot / Concession 16 / 15  
 Source/Acc GPS 25m

**Observation Details**

single male singing

**Observer Details**

Observer Paul Heaven  
 Observer 2 Ed Poropat

18/6/2016

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 731975 Township CHANDOS  
 Northing 4957396 Lot / Concession A / 2  
 Source/Acc GPS 5m

**Observation Details**

1 singing male

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



<i>Emydoidea blandingii</i>	Blanding's Turtle		
Provincially Tracked?:	Track all extant and selected historical EOs		
SARO Status:	THR		
S Rank:	S3		

**18/6/2016**

**Location**

General County Road 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 733471 Township CHANDOS  
 Northing 4959909 Lot / Concession 2 / 4  
 Source/Acc GPS 5m



**Observation Details**

Dead on road, female with destroyed eggs beside carapace fragments

**Observer Details**

Observer Paul Heaven  
 Observer 2 Ed Poropat

**19/6/2016**

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 734855 Township CHANDOS  
 Northing 4960519 Lot / Concession 5 / 4  
 Source/Acc GPS 5m



**Observation Details**

Dead on Road, 15cm carapace

**Observer Details**

Observer Paul Heaven  
 Observer 2 Ed Poropat



<i>Hirundo rustica</i>	Barn Swallow
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	THR
S Rank:	54B

18/6/2016

**Location**

General County Road 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732272 Township CHANDOS  
 Northing 4959858 Lot / Concession C / 4  
 Source/Acc GPS 5m

**Observation Details**

foraging over wetland

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

18/6/2016

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732663 Township BURLEIGH  
 Northing 4955077 Lot / Concession 15 / 16  
 Source/Acc GPS 5m

**Observation Details**

Foraging

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



<i>Hirundo rustica</i>	Barn Swallow		
Provincially Tracked?:	Track all extant and selected historical EOs		
SARO Status:	THR		
S Rank:	54B		

17/6/2016

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732511 Township BURLEIGH  
 Northing 4955017 Lot / Concession 14 / 16  
 Source/Acc GPS 25m

**Observation Details**

Foraging over water

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

17/6/2016

**Location**

General County Road 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732235 Township ANSTRUTHER  
 Northing 4959874 Lot / Concession 38 / 1  
 Source/Acc GPS 5m

**Observation Details**

Foraging over wetland

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



***Hylocichla mustelina*** Wood Thrush

Provincially Tracked?: Do not track

SARO Status:

S Rank: 54B

**19/6/2016****Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732667 Township METHUEN  
 Northing 4955525 Lot / Concession 30 / 11  
 Source/Acc GPS 25m

**Observation Details**

single male singing

Threatened Federally

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

**19/6/2016****Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732424 Township METHUEN  
 Northing 4955970 Lot / Concession 31 / 12  
 Source/Acc GPS 25m

**Observation Details**

1 singing male

Threatened Federally

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



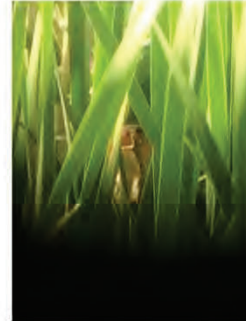


<i>Ixobrychus exilis</i>	Least Bittern
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	THR
S Rank:	54B

18/6/2016

**Location**

General	County Road 504		
Datum	NAD83	Upper Tier	PETERBOROUGH
Zone	17	Lower Tier	
Easting	732302	Township	CHANDOS
Northing	4959793	Lot / Concession	C / 4
Source/Acc	GPS	5m	

**Observation Details**

Flushed female from Typha. Female landed 5m to the northeast. Investigated place of origin and located nest. Nest consisted of a platform of Typha approx, 24 inches above water with a partial Typha canopy approximately 12" above the nest platform.

Observation noted light yellow coloured legs and bill, buff colored heron-like body, with neck outstretched when it flew. Colouration of wings included large buffy patches on the upper surface of the wing. Much smaller than American Bittern with a body the size of a softball. No dark coloration of males. Returned to site and Least Bittern flushed again and Ed Poropat verified observation. Female flew 10m west and landed in Typha. Returned on 19/06/2016 with a scope and photographed Least Bittern on nest. Scope observations through Typha included bill, eye neck and head. Best photograph consists of a section of bill and head. Least Bittern observed pulling Typha down over nest.

**Observer Details**

Observer	Paul Heaven
Observer 2	Ed Poropat



*Nasiaeschna pentacantha*                      Cyano Darner  
 Provincially Tracked?: Track all extant and selected historical EOs  
 SARO Status:  
 S Rank:                                      S3

18/6/2016

**Location**

General      County Road 504  
 Datum      NAD83      Upper Tier      PETERBOROUGH  
 Zone      17      Lower Tier  
 Easting      732041      Township      ANSTRUTHER  
 Northing      4960070      Lot / Concession      38 / 1  
 Source/Acc      GPS      5m



**Observation Details**

12+, females ovipositing

**Observer Details**

Observer      Ed Poropat  
 Observer 2      Paul Heaven

*Pachydiplax longipennis*                      Blue Dasher  
 Provincially Tracked?: Do not track  
 SARO Status:  
 S Rank:                                      S5

17/6/2016

**Location**

General      County Road 504  
 Datum      NAD83      Upper Tier      PETERBOROUGH  
 Zone      17      Lower Tier  
 Easting      732235      Township      CHANDOS  
 Northing      4959845      Lot / Concession      C / 4  
 Source/Acc      GPS      5m



**Observation Details**

Resting on emergent vegetation

Restricted to richer wetlands south of the Shield - Jones et al, 2008.  
 Therefore regionally rare on Shield

**Observer Details**

Observer      Ed Poropat  
 Observer 2      Paul Heaven



*Pandion haliaetus* Osprey  
 Provincially Tracked?: Do not track  
 SARO Status:  
 S Rank: S5B

18/6/2016

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732200 Township BURLEIGH  
 Northing 4954699 Lot / Concession 14 / 16  
 Source/Acc GPS 5m

**Observation Details**

perched in tree beside wetland

**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven

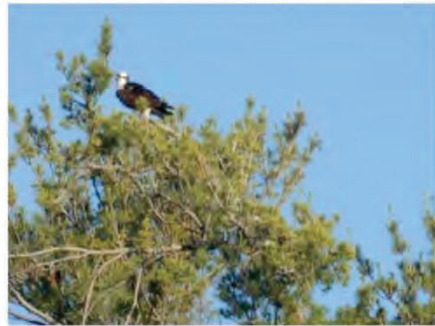
18/6/2016

**Location**

General Jack Lake  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732862 Township METHUEN  
 Northing 4954688 Lot / Concession 29 / 12  
 Source/Acc GPS 5m

**Observation Details**

perched on tree near wetland



**Observer Details**

Observer Ed Poropat  
 Observer 2 Paul Heaven



<b>SOURCE: Jack Lake Association - 06/2016</b>	
<i>Chelydra serpentina</i>	Snapping Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S3

**7/6/2015**

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 731463 Township  
 Northing 4959744 Lot / Concession /  
 Source/Acc GPS 6m

**Observation Details**

looking for nest site

**Observer Details**

Observer Bob Bowles  
 Observer 2 Neill Lanz

**7/6/2015**

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 737476 Township  
 Northing 4955289 Lot / Concession /  
 Source/Acc GPS 9m

**Observation Details**

**Observer Details**

Observer Bob Bowles  
 Observer 2 Neill Lanz



<i>Chelydra serpentina</i>	Snapping Turtle		
Provincially Tracked?:	Track all extant and selected historical EOs		
SARO Status:	SC		
S Rank:	S3		

6/7/2015

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732058 Township  
 Northing 4956736 Lot / Concession /  
 Source/Acc GPS

**Observation Details**

laying eggs

**Observer Details**

Observer Sheelagh Hysenaj  
 Observer 2

6/7/2015

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732056 Township  
 Northing 4955023 Lot / Concession /  
 Source/Acc GPS

**Observation Details**

laying eggs

**Observer Details**

Observer Sheelagh Hysenaj  
 Observer 2





<i>Chelydra serpentina</i>	Snapping Turtle		
Provincially Tracked?:	Track all extant and selected historical EOs		
SARO Status:	SC		
S Rank:	S3		

6/7/2015

**Location**

General Jack Lake Road  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 732058 Township  
 Northing 4956736 Lot / Concession /  
 Source/Acc GPS

**Observation Details**

two snapping turtles laying eggs

**Observer Details**

Observer Sheelagh Hysenaj  
 Observer 2

7/6/2015

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 733872 Township  
 Northing 4959966 Lot / Concession /  
 Source/Acc GPS 7m

**Observation Details**

Large female snapping turtle

**Observer Details**

Observer Bob Bowles  
 Observer 2 Neill Lanz



<i>Chelydra serpentina</i>	Snapping Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	S3

**7/6/2015**

**Location**

General HWY 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 733941 Township  
 Northing 49600025 Lot / Concession /  
 Source/Acc GPS 11m

**Observation Details**

looking for nest site near driveway

**Observer Details**

Observer Bob Bowles  
 Observer 2 Neill Lanz

**7/6/2016**

**Location**

General Hwy 504  
 Datum NAD83 Upper Tier PETERBOROUGH  
 Zone 17 Lower Tier  
 Easting 733872 Township  
 Northing 4959966 Lot / Concession /  
 Source/Acc GPS 5m

**Observation Details**

by lane #840

**Observer Details**

Observer Bob Bowles  
 Observer 2 Neill Lanz



<i>Chelydra serpentina</i>	Snapping Turtle		
Provincially Tracked?:	Track all extant and selected historical EOs		
SARO Status:	SC		
S Rank:	S3		

7/6/2015

**Location**

General	Hwy 504		
Datum	NAD83	Upper Tier	PETERBOROUGH
Zone	17	Lower Tier	
Easting	732260	Township	
Northing	4959818	Lot / Concession	/
Source/Acc	GPS	5m	

**Observation Details**

still alive but with cracked carapace. There were about 5 predated nests in this area as well

**Observer Details**

Observer: Bob Bowles  
Observer 2: Neill Lanz

<i>Emydoidea blandingii</i>	Blanding's Turtle		
Provincially Tracked?:	Track all extant and selected historical EOs		
SARO Status:	THR		
S Rank:	S3		

//

**Location**

General			
Datum	NAD83	Upper Tier	PETERBOROUGH
Zone	17	Lower Tier	
Easting	732082	Township	
Northing	4956750	Lot / Concession	/
Source/Acc			

**Observation Details**

used to see them at this location

**Observer Details**

Observer: Sheelagh Hysenaj  
Observer 2:



<i>Emydoidea blandingii</i>	Blanding's Turtle
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	THR
S Rank:	S3

//

**Location**

General  
Datum      NAD83      Upper Tier    PETERBOROUGH  
Zone        17            Lower Tier  
Easting     731606      Township  
Northing    4957527    Lot / Concession      /  
Source/Acc

**Observation Details**

Seen several over the years at this location

**Observer Details**

Observer    Sheelagh Hysenaj  
Observer 2



**SOURCE:** Nature Counts/Ontario Breeding Bird Atlas - 02/06/2016

*Cardellina canadensis*

Canada Warbler

Provincially Tracked?: Track all extant and selected historical EOs

SARO Status: SC

S Rank: S4B

**19/5/2002**

**Location**

General

Datum NAD83 Upper Tier PETERBOROUGH

Zone 17 Lower Tier

Easting 732485 Township

Northing 4958338 Lot / Concession /

Source/Acc

**Observation Details**

**Observer Details**

Observer

Observer 2

**19/6/2002**

**Location**

General

Datum NAD83 Upper Tier PETERBOROUGH

Zone 17 Lower Tier

Easting 732063 Township

Northing 4958619 Lot / Concession /

Source/Acc

**Observation Details**

**Observer Details**

Observer OBBA Point Count Data

Observer 2





<i>Cardellina canadensis</i>	Canada Warbler
Provincially Tracked?:	Track all extant and selected historical EOs
SARO Status:	SC
S Rank:	54B

**19/6/2002**

**Location**

General  
 Datum      NAD83      Upper Tier    PETERBOROUGH  
 Zone        17            Lower Tier  
 Easting     733382      Township  
 Northing    4958292    Lot / Concession      /  
 Source/Acc

**Observation Details**

**Observer Details**

Observer    OBBA Point Count Data  
 Observer 2

**18/6/2002**

**Location**

General  
 Datum      NAD83      Upper Tier    PETERBOROUGH  
 Zone        17            Lower Tier  
 Easting     731492      Township  
 Northing    4958316    Lot / Concession      /  
 Source/Acc

**Observation Details**

**Observer Details**

Observer    OBBA Point Count Data  
 Observer 2



## APPENDIX 4: SPECIES LIST

CLASS	SCI_NAME	COM_NAME	FAMILY	MNR	S_RANK
Amphibia					
	<i>Anaxyrus americanus</i>	American Toad	Bufo		S5
	<i>Hyla versicolor</i>	Gray Treefrog	Hyla		S5
	<i>Lithobates catesbeianus</i>	American Bullfrog	Rana		S4
	<i>Lithobates clamitans</i>	Green Frog	Rana		S5
	<i>Lithobates pipiens</i>	Northern Leopard Frog	Rana	NAR	S5
	<i>Lithobates septentrionalis</i>	Mink Frog	Rana		S5
Aves					
	<i>Agelaius phoeniceus</i>	Red-winged Blackbird	Icterus		S4
	<i>Aix sponsa</i>	Wood Duck	Anas		S5
	<i>Anas platyrhynchos</i>	Mallard	Anas		S5
	<i>Archilochus colubris</i>	Ruby-throated Hummingbird	Trochilidae		S5B
	<i>Ardea herodias</i>	Great Blue Heron	Ardea		S4
	<i>Aythya collaris</i>	Ring-necked Duck	Anas		S5
	<i>Bombycilla cedrorum</i>	Cedar Waxwing	Bombycillidae		S5B
	<i>Bonasa umbellus</i>	Ruffed Grouse	Phasianidae		S4
	<i>Botaurus lentiginosus</i>	American Bittern	Ardeidae		S4B
	<i>Branta canadensis</i>	Canada Goose	Anatidae		S5
	<i>Buteo lineatus</i>	Red-shouldered Hawk	Accipitridae	NAR	S4B
	<i>Buteo platypterus</i>	Broad-winged Hawk	Accipitridae		S5B
	<i>Butorides virescens</i>	Green Heron	Ardeidae		S4B
	<i>Cardellina pusilla</i>	Wilson's Warbler	Parulidae		S4B
	<i>Carduelis tristis</i>	American Goldfinch	Fringillidae		S5B
	<i>Carpodacus purpureus</i>	Purple Finch	Fringillidae		S4B
	<i>Cathartes aura</i>	Turkey Vulture	Cathartidae		S5B
	<i>Catharus fuscescens</i>	Veery	Turdidae		S4B
	<i>Catharus guttatus</i>	Hermit Thrush	Turdidae		S5B
	<i>Certhia americana</i>	Brown Creeper	Certhiidae		S5B
	<i>Cistothorus palustris</i>	Marsh Wren	Troglodytidae		S4B
	<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	Cuculidae		S5B
	<i>Colaptes auratus</i>	Northern Flicker	Picidae		S4B
	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Tyrannidae	SC	S4B
	<i>Contopus virens</i>	Eastern Wood-pewee	Tyrannidae		S4B
	<i>Corvus brachyrhynchos</i>	American Crow	Corvidae		S5B
	<i>Corvus corax</i>	Common Raven	Corvidae		S5
	<i>Cyanocitta cristata</i>	Blue Jay	Corvidae		S5
	<i>Dryocopus pileatus</i>	Pileated Woodpecker	Picidae		S5
	<i>Dumetella carolinensis</i>	Gray Catbird	Mimidae		S4B
	<i>Empidonax alnorum</i>	Alder Flycatcher	Tyrannidae		S5B
	<i>Empidonax minimus</i>	Least Flycatcher	Tyrannidae		S4B
	<i>Gavia immer</i>	Common Loon	Gaviidae	NAR	S5B,S5N
	<i>Geothlypis philadelphia</i>	Mourning Warbler	Parulidae		S4B
	<i>Geothlypis trichas</i>	Common Yellowthroat	Parulidae		S5B
	<i>Grus canadensis</i>	Sandhill Crane	Gruidae		S5B
	<i>Hirundo rustica</i>	Barn Swallow	Hirundinidae	THR	S4B
	<i>Hylocichla mustelina</i>	Wood Thrush	Turdidae		S4B
	<i>Icterus galbula</i>	Baltimore Oriole	Icterus		S4B
	<i>Ixobrychus exilis</i>	Least Bittern	Ardeidae	THR	S4B
	<i>Larus argentatus</i>	Herring Gull	Laridae		S5B,S5N
	<i>Lophodytes cucullatus</i>	Hooded Merganser	Anatidae		S5B,S5N
	<i>Megaceryle alcyon</i>	Belted Kingfisher	Alcedinidae		S4B
	<i>Meleagris gallopavo</i>	Wild Turkey	Phasianidae		S5
	<i>Melospiza georgiana</i>	Swamp Sparrow	Emberizidae		S5B
	<i>Melospiza melodia</i>	Song Sparrow	Emberizidae		S5B
	<i>Mniotilta varia</i>	Black-and-white Warbler	Parulidae		S5B



CLASS	SCI_NAME	COM_NAME	FAMILY	MNR	S_RANK
	<i>Myiarchus crinitus</i>	Great Crested Flycatcher	Tyrannidae		S4B
	<i>Oreothlypis ruficapilla</i>	Nashville Warbler	Parulidae		S5B
	<i>Pandion haliaetus</i>	Osprey	Pandionidae		S5B
	<i>Parkesia noveboracensis</i>	Northern Waterthrush	Parulidae		S5B
	<i>Passerina cyanea</i>	Indigo Bunting	Cardinalidae		S4B
	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	Cardinalidae		S4B
	<i>Picoides pubescens</i>	Downy Woodpecker	Picidae		S5
	<i>Picoides villosus</i>	Hairy Woodpecker	Picidae		S5
	<i>Piranga olivacea</i>	Scarlet Tanager	Cardinalidae		S4B
	<i>Podilymbus podiceps</i>	Pied-billed Grebe	Podicipedidae		S4B,S4N
	<i>Poecile atricapillus</i>	Black-capped Chickadee	Paridae		S5
	<i>Quiscalus quiscula</i>	Common Grackle	Icteridae		S5B
	<i>Rallus limicola</i>	Virginia Rail	Rallidae		S5B
	<i>Sayornis phoebe</i>	Eastern Phoebe	Tyrannidae		S5B
	<i>Scolopax minor</i>	American Woodcock	Scolopacidae		S4B
	<i>Seiurus aurocapilla</i>	Ovenbird	Parulidae		S4B
	<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	Parulidae		S5B
	<i>Setophaga coronata</i>	Yellow-rumped Warbler	Parulidae		S5B
	<i>Setophaga fusca</i>	Blackburnian Warbler	Parulidae		S5B
	<i>Setophaga magnolia</i>	Magnolia Warbler	Parulidae		S5B
	<i>Setophaga pensylvanica</i>	Chestnut-sided Warbler	Parulidae		S5B
	<i>Setophaga petechia</i>	Yellow Warbler	Parulidae		S5B
	<i>Setophaga pinus</i>	Pine Warbler	Parulidae		S5B
	<i>Setophaga ruticilla</i>	American Redstart	Parulidae		S5B
	<i>Setophaga virens</i>	Black-throated Green Warbler	Parulidae		S5B
	<i>Sitta canadensis</i>	Red-breasted Nuthatch	Sittidae		S5
	<i>Sitta carolinensis</i>	White-breasted Nuthatch	Sittidae		S5
	<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	Picidae		S5B
	<i>Spizella passerina</i>	Chipping Sparrow	Emberizidae		S5B
	<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow	Hirundinidae		S4B
	<i>Tachycineta bicolor</i>	Tree Swallow	Hirundinidae		S4B
	<i>Toxostoma rufum</i>	Brown Thrasher	Mimidae		S4B
	<i>Troglodytes aedon</i>	House Wren	Troglodytidae		S5B
	<i>Troglodytes troglodytes</i>	Winter Wren	Troglodytidae		S5B
	<i>Turdus migratorius</i>	American Robin	Turdidae		S5B
	<i>Tyrannus tyrannus</i>	Eastern Kingbird	Tyrannidae		S4B
	<i>Vireo gilvus</i>	Warbling Vireo	Vireonidae		S5B
	<i>Vireo olivaceus</i>	Red-eyed Vireo	Vireonidae		S5B
	<i>Vireo solitarius</i>	Blue-headed Vireo	Vireonidae		S5B
	<i>Zenaidura macroura</i>	Mourning Dove	Columbidae		S5
	<i>Zonotrichia albicollis</i>	White-throated Sparrow	Emberizidae		S5B
Chelonia					
	<i>Chelydra serpentina</i>	Snapping Turtle	Chelydridae	SC	S3
	<i>Chrysemys picta marginata</i>	Midland Painted Turtle	Emydidae		S4
	<i>Emydoidea blandingii</i>	Blanding's Turtle	Emydidae	THR	S3
Mammalia					
	<i>Alces americanus</i>	Moose	Cervidae		S5
	<i>Castor canadensis</i>	Beaver	Castoridae		S5
	<i>Lepus americanus</i>	Snowshoe Hare	Leporidae		S5
	<i>Odocoileus virginianus</i>	White-tailed Deer	Cervidae		S5
	<i>Ondatra zibethicus</i>	Muskrat	Cricetidae		S5
	<i>Procyon lotor</i>	Northern Raccoon	Procyonidae		S5
	<i>Tamias striatus</i>	Eastern Chipmunk	Sciuridae		S5
	<i>Tamiasciurus hudsonicus</i>	Red Squirrel	Sciuridae		S5
	<i>Ursus americanus</i>	American Black Bear	Ursidae	NAR	S5
Reptilia					





CLASS	SCI_NAME	COM_NAME	FAMILY	MNR	S_RANK
	<i>Nerodia sipedon sipedon</i>	Northern Watersnake	Colubridae	NAR	S5
	<i>Thamnophis sirtalis sirtalis</i>	Eastern Gartersnake	Colubridae		S5

## Insecta

	<i>Aeshna canadensis</i>	Canada Darner	Aeshnidae		S5
	<i>Anax junius</i>	Common Green Darner	Aeshnidae		S5
	<i>Arigomphus cornutus</i>	Horned Clubtail	Gomphidae		S3
	<i>Arigomphus furcifer</i>	Lilypad Clubtail	Gomphidae		S3
	<i>Calopteryx maculata</i>	Ebony Jewelwing	Calopterygidae		S5
	<i>Celithemis elisa</i>	Calico Pennant	Libellulidae		S5
	<i>Chlosyne nycteis</i>	Silvery Checkerspot	Nymphalidae		S5
	<i>Chromagrion conditum</i>	Aurora Damselfly	Coenagrionidae		S5
	<i>Coenonympha tullia</i>	Common Ringlet	Nymphalidae		S5
	<i>Cordulegaster diastatops</i>	Delta-spotted Spiketail	Cordulegastridae		S4
	<i>Cordulegaster maculata</i>	Twin-spotted Spiketail	Cordulegastridae		S4
	<i>Cordulia shurtleffii</i>	American Emerald	Corduliidae		S5
	<i>Dorocordulia libera</i>	Racket-tailed Emerald	Corduliidae		S5
	<i>Enallagma ebrium</i>	Marsh Bluet	Coenagrionidae		S5
	<i>Enallagma hageni</i>	Hagen's Bluet	Coenagrionidae		S5
	<i>Enallagma vesperum</i>	Vesper Bluet	Coenagrionidae		S4
	<i>Epithea canis</i>	Beaverpond Baskettail	Corduliidae		S5
	<i>Epithea cynosura</i>	Common Baskettail	Corduliidae		S5
	<i>Epithea princeps</i>	Prince Baskettail	Corduliidae		S5
	<i>Epithea spinigera</i>	Spiny Baskettail	Corduliidae		S5
	<i>Erynnis juvenalis</i>	Juvenal's Duskywing	Hesperiidae		S5
	<i>Glaucopteryx lygdamus</i>	Silvery Blue	Lycaenidae		S5
	<i>Gomphus exilis</i>	Lancet Clubtail	Gomphidae		S5
	<i>Gomphus spicatus</i>	Dusky Clubtail	Gomphidae		S5
	<i>Ischnura posita</i>	Fragile Forktail	Coenagrionidae		S4
	<i>Ischnura verticalis</i>	Eastern Forktail	Coenagrionidae		S5
	<i>Ladona julia</i>	Chalk-fronted Corporal	Libellulidae		S5
	<i>Leucorrhinia frigida</i>	Frosted Whiteface	Libellulidae		S5
	<i>Leucorrhinia intacta</i>	Dot-tailed Whiteface	Libellulidae		S5
	<i>Leucorrhinia proxima</i>	Red-waisted Whiteface	Libellulidae		S5
	<i>Libellula incesta</i>	Slaty Skimmer	Libellulidae		S4
	<i>Libellula pulchella</i>	Twelve-spotted Skimmer	Libellulidae		S5
	<i>Libellula quadrimaculata</i>	Four-spotted Skimmer	Libellulidae		S5
	<i>Limnitis archippus</i>	Viceroy	Nymphalidae		S5
	<i>Nasiaeschna pentacantha</i>	Cyrano Darner	Aeshnidae		S3
	<i>Nehalennia irene</i>	Sedge Sprite	Coenagrionidae		S5
	<i>Pachydiplax longipennis</i>	Blue Dasher	Libellulidae		S5
	<i>Papilio canadensis</i>	Canadian Tiger Swallowtail	Papilionidae		S5
	<i>Phyciodes cocyta</i>	Northern Crescent	Nymphalidae		S5
	<i>Plathemis lydia</i>	Common Whitetail	Libellulidae		S5
	<i>Poanes hobomok</i>	Hobomok Skipper	Hesperiidae		S5
	<i>Polites mystic</i>	Long Dash Skipper	Hesperiidae		S5
	<i>Thymelicus lineola</i>	European Skipper	Hesperiidae		SNA
	<i>Vanessa virginiensis</i>	American Lady	Nymphalidae		S5

## Dicotyledoneae

	<i>Acer rubrum</i>	Red Maple	Aceraceae		S5
	<i>Alnus incana</i>	Speckled Alder	Betulaceae		S5
	<i>Andromeda polifolia var. latifolia</i>	Glaucous-leaved Bog Rosemary	Ericaceae		S5
	<i>Asclepias incarnata</i>	Swamp Milkweed	Asclepiadaceae		S5
	<i>Asclepias syriaca</i>	Common Milkweed	Asclepiadaceae		S5
	<i>Betula alleghaniensis</i>	Yellow Birch	Betulaceae		S5
	<i>Betula papyrifera</i>	Paper Birch	Betulaceae		S5



CLASS	SCI_NAME	COM_NAME	FAMILY	MNR	S_RANK
	<i>Brasenia schreberi</i>	Watershield	Cabombaceae		S5
	<i>Ceratophyllum demersum</i>	Common Hornwort	Ceratophyllaceae		S5
	<i>Chamaedaphne calyculata</i>	Leatherleaf	Ericaceae		S5
	<i>Cicuta maculata</i> var. <i>maculata</i>	Spotted Water-hemlock	Apiaceae		S5
	<i>Clematis virginiana</i>	Virginia Virgin's-bower	Ranunculaceae		S5
	<i>Comarum palustre</i>	Marsh Cinquefoil	Rosaceae		S5
	<i>Coptis trifolia</i>	Goldthread	Ranunculaceae		S5
	<i>Cornus canadensis</i>	Bunchberry	Cornaceae		S5
	<i>Cornus stolonifera</i>	Red-osier Dogwood	Cornaceae		S5
	<i>Echium vulgare</i>	Common Viper's-bugloss	Boraginaceae		SNA
	<i>Eupatorium perfoliatum</i>	Common Boneset	Asteraceae		S5
	<i>Eutrochium maculatum</i> var. <i>maculatum</i>	Spotted Joe Pye Weed	Asteraceae		S5
	<i>Fraxinus nigra</i>	Black Ash	Oleaceae		S4
	<i>Galium asprellum</i>	Rough Bedstraw	Rubiaceae		S5
	<i>Galium palustre</i>	Marsh Bedstraw	Rubiaceae		S5
	<i>Galium trifidum</i>	Three-petalled Bedstraw	Rubiaceae		S5
	<i>Gaultheria procumbens</i>	Eastern Teaberry	Ericaceae		S5
	<i>Ilex mucronata</i>	Mountain Holly	Aquifoliaceae		S5
	<i>Ilex verticillata</i>	Black Holly	Aquifoliaceae		S5
	<i>Impatiens capensis</i>	Spotted Jewelweed	Balsaminaceae		S5
	<i>Laportea canadensis</i>	Wood Nettle	Urticaceae		S5
	<i>Linnaea borealis</i>	Twinflower	Caprifoliaceae		S5
	<i>Lonicera canadensis</i>	Canada Fly Honeysuckle	Caprifoliaceae		S5
	<i>Lycopus uniflorus</i>	Northern Water-horehound	Lamiaceae		S5
	<i>Lysimachia thyrsiflora</i>	Water Loosestrife	Primulaceae		S5
	<i>Mitella nuda</i>	Naked Bishop's-cap	Saxifragaceae		S5
	<i>Myrica gale</i>	Sweet Bayberry	Myricaceae		S5
	<i>Myriophyllum sibiricum</i>	Siberian Water-milfoil	Haloragaceae		S5
	<i>Nuphar variegata</i>	Variiegated Pond-lily	Nymphaeaceae		S5
	<i>Nymphaea odorata</i> ssp. <i>odorata</i>	Fragrant Water-lily	Nymphaeaceae		S5?
	<i>Parthenocissus inserta</i>	Thicket Creeper	Vitaceae		S5
	<i>Persicaria amphibia</i> var. <i>stipulacea</i>	Flanged Smartweed	Polygonaceae		S5?
	<i>Populus balsamifera</i>	Balsam Poplar	Salicaceae		S5
	<i>Rhododendron groenlandicum</i>	Common Labrador Tea	Ericaceae		S5
	<i>Rubus idaeus</i> ssp. <i>idaeus</i>	Common Red Raspberry	Rosaceae		SNA
	<i>Rubus pubescens</i>	Dewberry	Rosaceae		S5
	<i>Rumex orbiculatus</i>	Water Dock	Polygonaceae		S4S5
	<i>Salix bebbiana</i>	Bebb's Willow	Salicaceae		S5
	<i>Salix candida</i>	Hoary Willow	Salicaceae		S5
	<i>Salix discolor</i>	Pussy Willow	Salicaceae		S5
	<i>Salix petiolaris</i>	Meadow Willow	Salicaceae		S5
	<i>Silene vulgaris</i>	Maiden's Tears	Caryophyllaceae		SNA
	<i>Spiraea alba</i>	White Meadowsweet	Rosaceae		S5
	<i>Thalictrum pubescens</i>	Tall Meadow-rue	Ranunculaceae		S5
	<i>Tiarella cordifolia</i>	Heart-leaved Foam-flower	Saxifragaceae		S5
	<i>Triadenum fraseri</i>	Fraser's St. John's-wort	Clusiaceae		S5
	<i>Trientalis borealis</i>	Northern Starflower	Primulaceae		S5
	<i>Ulmus americana</i>	American Elm	Ulmaceae		S5
	<i>Utricularia intermedia</i>	Flatleaf Bladderwort	Lentibulariaceae		S5
	<i>Utricularia vulgaris</i>	Greater Bladderwort	Lentibulariaceae		S5
	<i>Vaccinium myrtilloides</i>	Velvetleaf Blueberry	Ericaceae		S5
Monocotyledoneae					
	<i>Calamagrostis canadensis</i>	Bluejoint Reedgrass	Poaceae		S5
	<i>Calla palustris</i>	Wild Calla	Araceae		S5
	<i>Carex aquatilis</i> var. <i>aquatilis</i>	Water Sedge	Cyperaceae		S5
	<i>Carex crinita</i>	Fringed Sedge	Cyperaceae		S5





CLASS	SCI_NAME	COM_NAME	FAMILY	MNR	S_RANK
	<i>Carex diandra</i>	Lesser Panicked Sedge	Cyperaceae		S5
	<i>Carex interior</i>	Inland Sedge	Cyperaceae		S5
	<i>Carex lacustris</i>	Lake-bank Sedge	Cyperaceae		S5
	<i>Carex lasiocarpa</i>	Slender Sedge	Cyperaceae		S5
	<i>Carex livida</i>	Livid Sedge	Cyperaceae		S5
	<i>Carex stipata</i>	Awl-fruited Sedge	Cyperaceae		S5
	<i>Carex stricta</i>	Tussock Sedge	Cyperaceae		S5
	<i>Carex utriculata</i>	Bladder Sedge	Cyperaceae		S5
	<i>Carex viridula</i>	Greenish Sedge	Cyperaceae		S5
	<i>Dulichium arundinaceum</i>	Three-way Sedge	Cyperaceae		S5
	<i>Eleocharis palustris</i>	Creeping Spike-rush	Cyperaceae		S5
	<i>Eriophorum virginicum</i>	Tawny Cottongrass	Cyperaceae		S5
	<i>Iris versicolor</i>	Harlequin Blue Flag	Iridaceae		S5
	<i>Juncus canadensis</i>	Canada Rush	Juncaceae		S5
	<i>Maianthemum trifolium</i>	Three-leaved Solomon's-seal	Liliaceae		S5
	<i>Phalaris arundinacea</i>	Reed Canary Grass	Poaceae		S5
	<i>Poa palustris</i>	Fowl Bluegrass	Poaceae		S5
	<i>Pontederia cordata</i>	Pickerel Weed	Pontederiaceae		S5
	<i>Potamogeton natans</i>	Floating Pondweed	Potamogetonaceae		S5
	<i>Potamogeton pusillus ssp. pusillus</i>	Slender Pondweed	Potamogetonaceae		SU
	<i>Potamogeton richardsonii</i>	Richardson's Pondweed	Potamogetonaceae		S5
	<i>Potamogeton robbinsii</i>	Robbins' Pondweed	Potamogetonaceae		S4S5
	<i>Schoenoplectus acutus</i>	Hard-stemmed Bulrush	Cyperaceae		S5
	<i>Scirpus cyperinus</i>	Cottongrass Bulrush	Cyperaceae		S5
	<i>Sparganium eurycarpum</i>	Broad-fruited Burreed	Sparganiaceae		S5
	<i>Spirodela polyrrhiza</i>	Great Duckweed	Lemnaceae		S5
	<i>Typha angustifolia</i>	Narrow-leaved Cattail	Typhaceae		SNA
	<i>Typha latifolia</i>	Broad-leaved Cattail	Typhaceae		S5
Bryopsida					
	<i>Ptilium crista-castrensis</i>	Knight's Plume	Hypnaceae		S5
Sphagnopsida					
	<i>Sphagnum wulfianum</i>	Wulf's Peat Moss	Sphagnaceae		S5
Pinopsida					
	<i>Abies balsamea</i>	Balsam Fir	Pinaceae		S5
	<i>Larix laricina</i>	American Larch	Pinaceae		S5
	<i>Picea glauca</i>	White Spruce	Pinaceae		S5
	<i>Picea mariana</i>	Black Spruce	Pinaceae		S5
	<i>Thuja occidentalis</i>	Eastern White Cedar	Cupressaceae		S5
Filicopsida					
	<i>Gymnocarpium dryopteris</i>	Common Oak Fern	Dryopteridaceae		S5
	<i>Matteuccia struthiopteris</i>	Ostrich Fern	Dryopteridaceae		S5
	<i>Onoclea sensibilis</i>	Sensitive Fern	Dryopteridaceae		S5
Equisetopsida					
	<i>Equisetum arvense</i>	Field Horsetail	Equisetaceae		S5
	<i>Equisetum fluviatile</i>	Water Horsetail	Equisetaceae		S5
	<i>Equisetum pratense</i>	Meadow Horsetail	Equisetaceae		S5



**From:** Berube, Margaret (MNRF)  
**To:** [Lauren Cymbaly](mailto:Lauren.Cymbaly)  
**Cc:** [Bal, Tanjot \(Tbal@county.peterborough.on.ca\)](mailto:Tbal@county.peterborough.on.ca); [Bird, Terrah \(MNRF\)](mailto:Bird_Terrah)  
**Subject:** FW: Request for Information\_Part of Lots 30 and 31, Con. 11 Township of Havelock-Belmont-Methuen  
**Date:** December-19-16 11:20:48 AM  
**Attachments:** [image001.jpg](#)  
[Assessment Area Map 2.docx](#)  
[20161214\\_97FR88\\_JackLake\\_Lots30&31\\_Con11\(Methuen\).pdf](#)

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Hi Lauren,

It is our understanding that a Preliminary Severance Review has been submitted to the County to sever the pre-developed, waterfront lot at 97 FireRoute 88 (roll number 1531-010-007-70202) from the retained/remnant parcel (roll number 1531-010-007-70300).

It is also our understanding that a residential building is proposed on the retained/remnant parcel in the general area shown on the attached 'Assessment Area Map 2' (exact location TBD).

Below and attached you will find Species at Risk and other natural heritage information for the retained/remnant parcel.

Margaret

Wetlands – the property contains portions of the Brooks and Sheep's Bay Wetland Complex, Jack Lake Provincially Significant Wetland. We are in the process of entering this wetland into LIO.

Woodlands – there are woodlands on the property that may be significant.

Significant Wildlife Habitat – the property contains a Stratum 1 Deer Yard (core wintering area). See attached SAR screening letter for Special Concern species. Habitat for Species of Conservation Concern (Special Concern and Rare Wildlife Species) – the property may also contain Ebony Boghaunter (S2) habitat.

Fish Habitat – the property contains two permanent streams and is adjacent to Jack Lake which contains a population of Lake Trout. The wetlands would likely contain fish habitat also.

Species At Risk (SAR) – see attached SAR screening letter.

Other - the property also abuts the Peterborough Crown Game Preserve.

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**From:** Lauren Cymbaly [<mailto:LCymbaly@dmwills.com>]  
**Sent:** October-17-16 12:46 PM  
**To:** Van Allen, Jesse (MNRF)  
**Subject:** Request for Information\_Part of Lots 30 and 31, Con. 11 Township of Havelock-Belmont-Methuen

Good morning,

We are conducting preliminary natural heritage and SAR habitat screening evaluation works on a parcel of land located off of Fire Route 88 in the Township of Havelock-Belmont-Methune (Part of Lots 30 and 31, Concession 11, Township of Havelock-Belmont-Methuen), please see attached for details. As such, we are requesting any information regarding Species at Risk (SAR) data records or otherwise natural heritage information you may have on file for this area, or for any areas located directly adjacent to the subject site which may have implications the property (e.g. wetland evaluation/delineation works, stream assessment works, etc.).

Publicly available records indicate the following with respect to species occurrences as applicable to the subject area:

Northern Map Turtle, Eastern Ribbonsnake, Smith's bulrush, Restricted Sp. (EO\_ID 4844),

Furthermore, if you have any documents, information or otherwise data specifically associated with the Peterborough Crown Game Preserve (Natural Areas) as identified via a review of the MNR Natural Heritage Areas geospatial data (NHIC Atlas Grid 17QK3255, EO\_ID 10743), if you could please send them our way if possible, that would be greatly appreciated.

If you have any questions regarding the above request, please don't hesitate to contact me anytime.

Best regards,

Lauren



**Lauren Cymbaly, M.E.S., Dip. ERR**  
**Senior Biologist**

**D.M. Wills Associates Ltd.**

150 Jameson Drive · Peterborough, ON · K9J 0B9  
Tel: (705) 742-2297 ext. 315 · Fax: (705) 741-3568

*Please consider the environment before printing this email!*

## **Appendix D**

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### **Photographic Log**



<p><b>Client Name:</b> Roland and Linda Harvey</p>	<p><b>Site Location:</b> Part of Lots 30 and 31, Con. 11 Township of Havelock-Belmont-Methuen</p>
--	---

<p>Photo Number: 1</p>
<p>Date: October 14, 2016</p>
<p>Direction Photo Taken: South-west</p>
<p>Description:  Road that goes into the site.</p>



<p>Photo Number: 2</p>
<p>Date: October 14, 2016</p>
<p>Direction Photo Taken: East</p>
<p>Description:  Small dwelling situated on island on the Subject Property.</p>





Photo Number: 3
Date: October 13, 2017
Direction Photo Taken: East
Description:  Creek that flows across the road at the south end of the Proposed Development.



Photo Number: 4
Date: October 13, 2017
Direction Photo Taken: East
Description:  Ditch full of water.





Photo Number: 5
Date: October 14, 2016
Direction Photo Taken: Northeast
Description:  Herpetofauna habitat in wetland.



Photo Number: 6
Date: October 14, 2016
Direction Photo Taken: East
Description:  Standing water around island where small dwelling is situated.





Photo Number: 7
Date: October 14, 2016
Direction Photo Taken: East
Description:  Shed located across bridge on the eastern portion of the property



Photo Number: 8
Date: October 13, 2017
Direction Photo Taken: East
Description:  Small area of upland located northwest of Proposed Development





Photo Number: 9
Date: October 13, 2017
Direction Photo Taken: South
Description:  Water run-off channel located approximately 15 m west of the tent/trailers.



Photo Number: 9
Date: October 13, 2017
Direction Photo Taken: South
Description:  Large creek to the west of the tent/trailers.





Photo Number: 10
Date: October 14, 2016
Direction Photo Taken: North
Description:  Tents and trailers situated on cleared/filled area north of the Proposed Development.



Photo Number: 11
Date: October 14, 2016
Direction Photo Taken: Northwest
Description:  Photo taken from the island where small dwelling is located.





Photo Number: 12
Date: October 14, 2016
Direction Photo Taken: West
Description:  Area where Proposed Development is located.



Photo Number: 14
Date: October 14, 2016
Direction Photo Taken: South
Description:  Area where Proposed Development is located.





Photo Number: 14
Date: October 14, 2016
Direction Photo Taken: N/A
Description:  Soil auger taken west of Proposed Development.



Photo Number: 15
Date: October 14, 2016
Direction Photo Taken: N/A
Description:  Full profile of soil auger.



# **Appendix E**

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## **Biological Inventory Lists**

Table B3 - Herpetofauna List  
Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Species Group	Common Name	Scientific Name	Number of Individuals	Year of Observation	Month of Observation	Calendar Day of Observation	Observation ID	S_Rank	G_Rank	N_Rank	ESA 2007	SARA 2002	COSEWIC		
Frog/Toad	American Toad	<i>Anaxyrus americanus</i>	3	2011	July	21	159905	S5	G5	N5					
			1	2008	June	9	155497	S5	G5	N5					
			1	2008	June	2	155496	S5	G5	N5					
			1	2008	May	31	155498	S5	G5	N5					
			1	2003	June	6	159371	S5	G5	N5					
			3	1997	May	27	159329	S5	G5	N5					
			4	1997	May	13	159299	S5	G5	N5					
			3	1997	May	9	159298	S5	G5	N5					
			1	1991	July	22	155508	S5	G5	N5					
			1	1991	July	4	157131	S5	G5	N5					
			1	1984	August	26	159971	S5	G5	N5					
			1	1982	May	13	155457	S5	G5	N5					
			1	1976	August	3	160326	S5	G5	N5					
			1	1975	July	23	155456	S5	G5	N5					
			1	2012	June	20	161126	S5	G5	N5					
			Gray Treefrog	<i>Hyla versicolor</i>	10	2010	May	25	154443	S5	G5	N5			
					1	2002	May	29	154454	S5	G5	N5			
	1	1999			May	1	159972	S5	G5	N5					
	4	1995					160933	S5	G5	N5					
	1	1995					160934	S5	G5	N5					
	1	1995					160935	S5	G5	N5					
	1	1995					160936	S5	G5	N5					
	10	1995					160937	S5	G5	N5					
	1	1995					160938	S5	G5	N5					
	6	1995					160939	S5	G5	N5					
	10	1995					160940	S5	G5	N5					
	1	1984			August	26	159970	S5	G5	N5					
	1	1982			May	11	155459	S5	G5	N5					
	1	1978			May	20	155473	S5	G5	N5					
	1	1978			May	20	159985	S5	G5	N5					
	American Bullfrog	<i>Lithobates catesbeianus</i>			1	2013	June	4	155636	S4	G5	N5			
					1	1991	July	11	155558	S4	G5	N5			
			1	1991	June	24	160441	S4	G5	N5					
			1	1991	May	23	155559	S4	G5	N5					
			1	1987	August	25	153252	S4	G5	N5					
	Pickereel Frog	<i>Lithobates palustris</i>	1	1987	September	25	153365	S4	G5	N5			NAR		
			1	1987	August	25	153265	S4	G5	N5			NAR		
			1	1978	September		155471	S4	G5	N5			NAR		
	Northern Leopard Frog	<i>Lithobates pipiens</i>	1	2017	April	11	366013	S5	G5	N5	SC		NAR		
			1	2014	June	8	155059	S5	G5	N5	SC		NAR		
			1	2014	May	24	160281	S5	G5	N5	SC		NAR		
			1	2014	April	18	160295	S5	G5	N5	SC		NAR		
			2	2012	June	15	161127	S5	G5	N5	SC		NAR		
			1	1999	September	27	154494	S5	G5	N5	SC		NAR		
			1	1999	July	18	154449	S5	G5	N5	SC		NAR		
			3	1998	April	10	159327	S5	G5	N5	SC		NAR		
			1	1997	April	22	159324	S5	G5	N5	SC		NAR		
			1	1996	April	28	154603	S5	G5	N5	SC		NAR		
			1	1996	April	26	159234	S5	G5	N5	SC		NAR		
			1	1996	April	20	153568	S5	G5	N5	SC		NAR		
			1	1996	April	20	153897	S5	G5	N5	SC		NAR		
			1	1996	April	20	155150	S5	G5	N5	SC		NAR		
			1	1994	July	27	159792	S5	G5	N5	SC		NAR		
			1	1989	April	15	160388	S5	G5	N5	SC		NAR		
			1	1988	September	15	155462	S5	G5	N5	SC		NAR		
			1	1988	September	13	155461	S5	G5	N5	SC		NAR		
			1	1988	September	7	155466	S5	G5	N5	SC		NAR		
			1	1988	August	23	155465	S5	G5	N5	SC		NAR		
			1	1987	September	2	155061	S5	G5	N5	SC		NAR		
			1	1987	August	25	153253	S5	G5	N5	SC		NAR		
			1	1987	August	18	159783	S5	G5	N5	SC		NAR		
			1	1982	September	18	159788	S5	G5	N5	SC		NAR		
			1	1934	September	15	155470	S5	G5	N5	SC		NAR		
			Wood Frog	<i>Lithobates sylvaticus</i>	3	2017	April	11	366015	S5	G5	N5			
					1	2017	April	11	366092	S5	G5	N5			
	1	2008			August	17	159807	S5	G5	N5					
	5	1998			April	19	159328	S5	G5	N5					
	7	1997			April	22	159325	S5	G5	N5					
	1	1996			May	9	160926	S5	G5	N5					
	1	1996			May	9	160927	S5	G5	N5					
	1	1996			May	9	160928	S5	G5	N5					
	2	1996			May	9	160930	S5	G5	N5					
	4	1996			May	9	160931	S5	G5	N5					
	1	1996			April	28	154543	S5	G5	N5					
	1	1996			April	28	154601	S5	G5	N5					
	1	1996			April	28	154602	S5	G5	N5					
	1	1996			April	28	155360	S5	G5	N5					
	1	1996			April	20	155231	S5	G5	N5					
	1	1996			April	20	155232	S5	G5	N5					
	1	1996			April	20	159571	S5	G5	N5					
	1	1996			April	20	159690	S5	G5	N5					
	1	1995					160924	S5	G5	N5					
	1	1995					160925	S5	G5	N5					
	2	1995					160929	S5	G5	N5					
	8	1995					160932	S5	G5	N5					
	1	1994			September	5	160208	S5	G5	N5					
	1	1994			April	15	159742	S5	G5	N5					
	1	1984			August	26	159968	S5	G5	N5					
	1	1975			July	23	155452	S5	G5	N5					
	1	1934			September	15	155468	S5	G5	N5					
	Spring Peeper	<i>Pseudacris crucifer</i>	1	2012	April	7	159748	S5	G5	N5					
			1	2008	August	17	159806	S5	G5	N5					
			1	2004	May	1	153315	S5	G5	N5					
			1	2002	April	19	154549	S5	G5	N5					
			1	2001	April	23	159330	S5	G5	N5					
			1	1999	April	5	159975	S5	G5	N5					
			10	1999			154280	S5	G5	N5					
			1	1998	April	8	159719	S5	G5	N5					
			1	1997	May	19	159303	S5	G5	N5					
			5	1997	May	13	159302	S5	G5	N5					
6			1997	May	10	159301	S5	G5	N5						
1			1997	May	9	159300	S5	G5	N5						
1			1997	April	22	159326	S5	G5	N5						
1			1996	May	29	160941	S5	G5	N5						
1			1996	May	29	160942	S5	G5	N5						
1			1996	May	29	160943	S5	G5	N5						
1			1996	May	29	160944	S5	G5	N5						
1			1996	May	29	160954	S5	G5	N5						
6			1996	May	9	160945	S5	G5	N5						
8			1996	May	9	160946	S5	G5	N5						
11			1996	May	9	160947	S5	G5	N5						
14			1996	May	9	160948	S5	G5	N5						
1			1996	May	9	160949	S5	G5	N5						
1			1996	May	9	160950	S5	G5	N5						
1			1996	May	9	160951	S5	G5	N5						
1			1996	May	9	160952	S5	G5	N5						
1			1996	May	9	160953	S5	G5	N5						

Table B3 - Herpetofauna List  
Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

			1	1996	April	20	159572	S5	G5	N5									
			1	1996	April	20	159689	S5	G5	N5									
			1	1995	April	22	160206	S5	G5	N5									
			1	1995	April	1	159489	S5	G5	N5									
			1	1995			160955	S5	G5	N5									
			1	1995			160956	S5	G5	N5									
			1	1995			160957	S5	G5	N5									
			2	1995			160958	S5	G5	N5									
			3	1995			160959	S5	G5	N5									
			3	1995			160960	S5	G5	N5									
			4	1995			160961	S5	G5	N5									
			6	1995			160962	S5	G5	N5									
			10	1995			160963	S5	G5	N5									
			1	1995			160964	S5	G5	N5									
			1	1995			160965	S5	G5	N5									
			1	1995			160966	S5	G5	N5									
			1	1995			160967	S5	G5	N5									
			1	1995			160968	S5	G5	N5									
			1	1995			160969	S5	G5	N5									
			1	1994	September	5	160207	S5	G5	N5									
			1	1994	April	15	159741	S5	G5	N5									
			1	1985	April	18	160333	S5	G5	N5									
			1	1982	September	18	159787	S5	G5	N5									
			1	1982	May	10	155455	S5	G5	N5									
			1	1935	June	8	155474	S5	G5	N5									
	Western Chorus Frog	<i>Pseudacris triseriata</i>	1	2011	November	5	438208	S3	G5TNR	N4				THR		THR			
			1	2003	May	3	437715	S3	G5TNR	N4				THR		THR			
			1	2003	April	27	437713	S3	G5TNR	N4				THR		THR			
			2	2017	April	26	366506	S5	G5	N5									
			5	2017	April	24	366474	S5	G5	N5									
			1	2016	September	22	360213	S5	G5	N5									
			1	2014	April	18	160293	S5	G5	N5									
			7	2012	May	22	161054	S5	G5	N5									
			7	2010	May	25	154444	S5	G5	N5									
			5	2001	June	26	159323	S5	G5	N5									
			1	1999	September	27	154495	S5	G5	N5									
			1	1991	July	16	155651	S5	G5	N5									
			1	1991	July	2	161110	S5	G5	N5									
			1	1991	May	22	157112	S5	G5	N5									
			1	1987	September	25	153364	S5	G5	N5									
			1	1987	August	25	153250	S5	G5	N5									
			1	1987	August	25	153264	S5	G5	N5									
			1	1987	August	18	159784	S5	G5	N5									
			1	1982	September	18	159789	S5	G5	N5									
			1	1982	May	11	155460	S5	G5	N5									
			1	1934	September	15	155469	S5	G5	N5									
			1	0	January		160290	S5	G5	N5									
	Lizard	Five-lined Skink	1	1934			415232	S2	G5T2	N2	SC		SC	SC		END			
			1	1934			421194	S2	G5T2	N2	SC		SC	SC		END			
	Newt	Eastern Newt	1	1996	April	20	153888	S5	G5T5	N5									
			1	1982	May	11	155458	S5	G5T5	N5									
			1	2017	April	22	366390	S5	G5	N5									
			1	2012	June	13	160105	S5	G5	N5									
			1	2012	April	22	159802	S5	G5	N5									
			2	2012	April	22	160242	S5	G5	N5									
			4	2012	April	22	160292	S5	G5	N5									
			4	2008	August	17	159805	S5	G5	N5									
			1	1994	May	11	160156	S5	G5	N5									
			1	1994	May	11	160209	S5	G5	N5									
			1	1984	August	26	159969	S5	G5	N5									
			1	1982	May	11	155453	S5	G5	N5									
			1	1978	May	20	155472	S5	G5	N5									
			1	1978	May	20	159986	S5	G5	N5									
			1	1977			155454	S5	G5	N5									
			2	2008	April	13	160143	S4	G5	N3N4	SC		SC	SC		SC			
			1	2008	April	13	433056	S4	G5	N3N4	SC		SC	SC		SC			
			1	1996	June	9	161049	S4	G5	N3N4	SC		SC	SC		SC			
			1	1996	June	9	432945	S4	G5	N3N4	SC		SC	SC		SC			
			1	2016	July	20	359643	S5	G5	N5									
			1	2016	June	28	359489	S5	G5	N5									
			1	2016	June	28	360490	S5	G5	N5									
			5	2013	June	4	155809	S5	G5	N5									
			1	1978	May	20	159983	S5	G5	N5									
			1	1976	May	17	160381	S5	G5	N5									
			1	1976	April	27	160380	S5	G5	N5									
			1	1972	October	12	160365	S5	G5	N5									
			8	2017	April	23	366455	S5	G5T5	N5									
			1	2017	April	13	366082	S5	G5T5	N5									
			1	2016	July	25	360331	S5	G5T5	N5									
			1	2014	June	10	160321	S5	G5T5	N5									
			1	2013	June	4	155764	S5	G5T5	N5									
			2	2013	June	4	155808	S5	G5T5	N5									
			2	2012	October	19	160193	S5	G5T5	N5									
			1	2008	August	17	159804	S5	G5T5	N5									
			1	1999	September	27	154493	S5	G5T5	N5									
			1	1999	July	18	154450	S5	G5T5	N5									
			1	1999	May	1	159973	S5	G5T5	N5									
			1	1999	April	5	159974	S5	G5T5	N5									
			1	1998	April	13	160157	S5	G5T5	N5									
			1	1991	August	14	159982	S5	G5T5	N5									
			1	1988	September	7	155463	S5	G5T5	N5									
			1	1988	August	23	155467	S5	G5T5	N5									
			1	1988	August	17	155464	S5	G5T5	N5									
			1	1988	April	9	155475	S5	G5T5	N5									
			1	1987	August	25	153251	S5	G5T5	N5									
			1	1987	August	18	159987	S5	G5T5	N5									
			1	1986	September	30	160205	S5	G5T5	N5									
			1	1978	May	20	155451	S5	G5T5	N5									
			1	1978	May	20	159984	S5	G5T5	N5									
			1	2016	June	17	359578	S3	G5	N5				SC		SC			
			1	2010	September	7	160338	S3	G5	N5				SC		SC			
			1	2005	June	30	444350	S3	G5	N5				SC		SC			
			1	1996	July	5	444000	S3	G5	N5				SC		SC			
			1	1996	July	2	443998	S3	G5	N5				SC		SC			
			1	1996	June	11	154786	S3	G5	N5				SC		SC			
			1	1996	June	11	159168	S3	G5	N5				SC		SC			
			1	1996	June	11	443960	S3	G5	N5				SC		SC			
			1	1996	June	11	443961	S3	G5	N5				SC		SC			
			1	1992	July	16	443377	S3	G5	N5				SC		SC			
			1	1992	July	6	443357	S3	G5	N5				SC		SC			
			1	1952	July		439334	S3	G5	N5				SC		SC			
			1	1952	July		440220	S3	G5	N5				SC		SC			
			1	1952	July		440320	S3	G5	N5			</						



Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Turtle	Midland Painted Turtle	<i>Chrysemys picta</i>	1	1952	July		440971	S3	G5	N5		SC	SC
			1	1952	July		440975	S3	G5	N5		SC	SC
			1	2014	October	16	155578	S4	G5T5	N4			
			3	2014	May	11	159395	S4	G5T5	N4			
			1	2014	May	11	159482	S4	G5T5	N4			
			2	2012	May	19	159237	S4	G5T5	N4			
			3	2012	April	16	159779	S4	G5T5	N4			
			12	2011	May	20	159780	S4	G5T5	N4			
			1	2010	May	3	155406	S4	G5T5	N4			
			1	1999	April	5	159791	S4	G5T5	N4			
			3	1999	April	4	154825	S4	G5T5	N4			
			1	1996	May	8	159786	S4	G5T5	N4			
			11	1996	May	8	159796	S4	G5T5	N4			
			1	1996	May	8	160265	S4	G5T5	N4			
			3	1996	May	8	160278	S4	G5T5	N4			
			1	1996	May	2	155417	S4	G5T5	N4			
			1	1994	August	3	155367	S4	G5T5	N4			
			1	1994	June		159794	S4	G5T5	N4			
			1	1994	May	19	159795	S4	G5T5	N4			
			1	1994	April	11	159581	S4	G5T5	N4			
			1	1993	September	16	156923	S4	G5T5	N4			
			1	1993	July	15	160327	S4	G5T5	N4			
			1	1993	June	24	160276	S4	G5T5	N4			
			1	1993	June	24	160328	S4	G5T5	N4			
			1	1992	July	6	160224	S4	G5T5	N4			
			1	1992	July	6	160329	S4	G5T5	N4			
			1	1992	July	6	160414	S4	G5T5	N4			
			1	1991	July	24	159313	S4	G5T5	N4			
			1	1987	August	25	153266	S4	G5T5	N4			
			1	1987	August	18	159785	S4	G5T5	N4			
1	1987	April	25	159223	S4	G5T5	N4						
1	1976	May	17	160382	S4	G5T5	N4						
Turtle	Northern Map Turtle	<i>Graptemys geographica</i>	1	2005	July	19	433625	S3	G5	N3	SC	SC	SC
			1	2005	July	4	433563	S3	G5	N3	SC	SC	SC
			1	2005	June	28	433557	S3	G5	N3	SC	SC	SC
			1	2005	June	27	433555	S3	G5	N3	SC	SC	SC
			1	2005	June	24	433553	S3	G5	N3	SC	SC	SC
			1	2005	June	7	433545	S3	G5	N3	SC	SC	SC

Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Common Name	Number of Individuals	Year of Observation	Month of Observation	Calendar Day of Observation
Snapping Turtle	1	2017	August	24
Snapping Turtle	1	2017	June	17
Snapping Turtle	25	2016	October	2
Gray Treefrog	1	2014	July	19
Northern Leopard Frog	1	2014	July	19
American Toad	8	2014	July	19
Blanding's Turtle	1	2014	June	15
Mink Frog	10	2013	June	23
Blanding's Turtle	1	2013	June	23
Midland Painted Turtle	11	2013	June	23
Gray Treefrog	1	2013	June	23
Midland Painted Turtle	3	2013	June	23
Five-lined Skink	1	2012	July	20
Five-lined Skink	1	2012	July	20
Blanding's Turtle	1	2011	July	17
Jefferson/Blue-spotted Salamander Complex	1	2011	May	22
Spring Peeper	100	2011	May	22
American Bullfrog	1	2011	May	22
Spring Peeper	1	2011	May	22
Snapping Turtle	1	2011	May	18
Snapping Turtle	1	2009	August	2
Midland Painted Turtle	1	2009	August	2
Western Chorus Frog	7	2008	April	26

Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Spring Peeper	4	2008	April	26
Western Chorus Frog	7	2008	April	26
Gray Treefrog	2	2008	April	26
Western Chorus Frog	1	2008	April	26
Western Chorus Frog	6	2008	April	26
Gray Treefrog	1	2008	April	26
Western Chorus Frog	4	2008	April	26
Wood Frog	4	2008	April	26
Spring Peeper	6	2008	April	26
Western Chorus Frog	7	2008	April	26
Western Chorus Frog	7	2008	April	26
Gray Treefrog	1	2008	April	26
Western Chorus Frog	4	2008	April	26
Western Chorus Frog	7	2008	April	26
Spring Peeper	2	2008	April	26
Western Chorus Frog	5	2008	April	26
Western Chorus Frog	8	2008	April	26
Western Chorus Frog	15	2008	April	26
Western Chorus Frog	15	2008	April	26
Western Chorus Frog	20	2008	April	26
Wood Frog	6	2008	April	26

Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Western Chorus Frog	4	2008	April	26
Gray Treefrog	1	2008	April	26
Midland Painted Turtle	1	2008	April	26
Western Chorus Frog	7	2008	April	26
Northern Leopard Frog	20	2008	April	26
Western Chorus Frog	4	2008	April	26
Western Chorus Frog	7	2008	April	26
Western Chorus Frog	6	2008	April	26
Western Chorus Frog	10	2008	April	26
Wood Frog	3	2008	April	26
Northern Leopard Frog	3	2008	April	26
Western Chorus Frog	5	2008	April	26
Western Chorus Frog	3	2008	April	26
Spring Peeper	3	2008	April	26
Spring Peeper	5	2008	April	26
Northern Leopard Frog	2	2008	April	26
Western Chorus Frog	2	2008	April	26
Spring Peeper	5	2008	April	26
Snapping Turtle	1	2007	September	9
Snapping Turtle	1	2007	July	1
Blanding's Turtle	1	2007	June	3
Wood Frog	1	2004	April	12

Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Western Chorus Frog	1	2004	April	12
American Bullfrog	1	2002	June	18
Western Chorus Frog	1	2002	June	18
Mink Frog	1	2002	June	10
American Bullfrog	2	2002	June	10
Milksnake	1	2002	June	10
Wood Frog	1	2002	April	16
Spring Peeper	1	2002	April	16
Wood Frog	1	2002	April	16
Spring Peeper	10	2002	April	16
Wood Frog	1	2002	April	16
Spring Peeper	1	2002	April	16
Wood Frog	1	2002	April	16
Spring Peeper	2	2002	April	16
Wood Frog	1	2002	April	16
Spring Peeper	1	2002	April	16
Spring Peeper	2	2002	April	16
Spring Peeper	1	2002	April	16
Spring Peeper	1	2002	April	16
Wood Frog	3	2002	April	16
Spring Peeper	2	2002	April	16
Spring Peeper	6	2002	April	16
Northern Watersnake	1	2002	April	16
Eastern Gartersnake	1	2002	April	16
Spring Peeper	1	2002	April	16
Western Chorus Frog	1	2002	April	16
Western Chorus Frog	1	2002	April	16



Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Western Chorus Frog	1	2002	April	16
Western Chorus Frog	1	2002	April	16
Western Chorus Frog	1	2002	April	16
Western Chorus Frog	1	2002	April	16
Western Chorus Frog	1	2002	April	16
Spotted Salamander	1	1996	May	9
Gray Treefrog	1	1996	May	9
Green Frog	1	1996	May	9
Jefferson/Blue-spotted Salamander Complex	1	1996	May	9
Wood Frog	1	1996	May	9
American Toad	1	1996	May	9
American Bullfrog	1	1996	May	9
Northern Leopard Frog	1	1996	May	9
Snapping Turtle	1	1994	May	7
Mink Frog	1	1994	April	30
Eastern Red-backed Salamander	3	1994	April	30
Ring-necked Snake	1	1994	April	30
Western Chorus Frog	1	1994	April	30
Spring Peeper	1	1994	April	27
Pickerel Frog	1	1992	August	18
Eastern Ribbonsnake	1	1989	August	18
Northern Leopard Frog	1	1989	August	4

Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Eastern Gartersnake	1	1988	September	27
American Toad	1	1988	June	21
Eastern Gartersnake	1	1988	June	21
Midland Painted Turtle	1	1988	June	21
Northern Leopard Frog	1	1988	June	21
Northern Watersnake	1	1988	June	21
American Bullfrog	1	1988	June	21
Green Frog	1	1988	June	21
Snapping Turtle	1	1988	June	21
Spring Peeper	1	1988	May	22
Green Frog	1	1988	May	22
Gray Treefrog	1	1988	May	22
Green Frog	1	1987	May	18
Eastern Red-backed Salamander	1	1987	May	17
Jefferson/Blue-spotted Salamander Complex	1	1987	May	17
Spotted Salamander	1	1987	May	17
American Toad	1	1987	May	17
Spring Peeper	1	1987	May	17
Five-lined Skink	1	1986	August	17
Five-lined Skink	1	1986	August	17
Northern Watersnake	1	1986	August	3
Smooth Greensnake	1	1986	August	
Northern Leopard Frog	1	1986	August	

Table B3 - Herpetofauna List  
 Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

Dekay's Brownsnake	1	1986	August	
Eastern Gartersnake	1	1986	August	
Eastern Hognosed Snake	1	1979		
Eastern Hognosed Snake	1	1962	June	8
Eastern Hognosed Snake	1	1962	June	8
Northern Watersnake	1	1958	August	12
Blanding's Turtle	1	1952	July	
Eastern Hognosed Snake	1	1952	July	
Eastern Hognosed Snake	1	1952	July	
Northern Map Turtle	1	1952	July	
Snapping Turtle	1	1952	July	

**Table B2 - E - Bird Atlas Summary**  
**Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township**

E-birds Canada - Observations by most recent observation		
Apsley - Jack Lake Road Bog, Ontario, CA		
Species Name	Count	Date
Alder Flycatcher	2	23-Jun-13
American Crow	1	30-Dec-14
American Goldfinch	40	18-Dec-15
American Redstart	X	30-May-13
American Robin	X	30-May-13
Barred Owl	1	24-Jan-15
Belted Kingfisher	X	30-May-13
Black-backed Woodpecker	1	22-Jan-15
Black-capped Chickadee	6	18-Dec-15
Black-throated Green Warbler	X	30-May-13
Blue Jay	3	18-Dec-15
Brown Creeper	1	18-Dec-15
Canada Goose	X	30-May-13
Cedar Waxwing	2	23-Jun-13
Common Grackle	X	30-May-13
Common Raven	1	18-Dec-15
Common Redpoll	18	18-Dec-15
Common Yellowthroat	2	23-Jun-13
Dark-eyed Junco	3	22-Jan-15
Downy Woodpecker	1	18-Dec-15
Downy/Hairy Woodpecker	1	16-Jan-15
Eastern Bluebird	1	30-May-13
Eastern Phoebe	X	30-May-13
European Starling	X	30-May-13
finch sp.	10	18-Dec-15
Golden-crowned Kinglet	1	18-Dec-15
Gray Jay	1	22-Jan-15
Great Blue Heron	X	30-May-13
Great Crested Flycatcher	X	30-May-13
Hairy Woodpecker	3	18-Dec-15
Hermit Thrush	X	30-May-13
Larus sp.	1	18-Dec-15
Lincoln's Sparrow	1	23-Jun-13
Magnolia Warbler	1	04-Jun-12
Mallard	X	30-May-13
Mourning Dove	X	30-May-13
Nashville Warbler	3	23-Jun-13
Northern Flicker	2	23-Jun-13
nuthatch sp.	2	18-Dec-15
Ovenbird	1	10-Jun-13
passerine sp.	1	10-Jan-15
Pileated Woodpecker	1	24-Jan-15
Pine Siskin	1	18-Feb-12
Purple Finch	1	18-Dec-15

Located approx 3km north of the study site

**Table B2 - E - Bird Atlas Summary**  
**Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township**

Red-eyed Vireo	X	30-May-13
Red-tailed Hawk	1	30-Dec-14
Red-winged Blackbird	X	30-May-13
Ruffed Grouse	1	18-Dec-15
Song Sparrow	X	30-May-13
Swamp Sparrow	1	10-Jun-13
Veery	X	30-May-13
White-breasted Nuthatch	1	18-Dec-15
White-throated Sparrow	2	23-Jun-13
White-winged Crossbill	4	18-Feb-12
Wilson's Snipe	X	30-May-13
Yellow Warbler	X	30-May-13
Yellow-rumped Warbler	1	23-Jun-13



Table B2 - OBBA Summary  
Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

SCIENTIFIC NAME	ENGLISH COMMON NAME	S RANK	G Rank	SARA 2002 STATUS	N RANK	ESA 2007 STATUS	COSEWIC STATUS	EXOTIC STATUS	C, Po, Pr
<i>Accipiter cooperii</i>	Cooper's Hawk	S4	G5	NAR			NAR	N5B,N4N	
<i>Accipiter gentilis</i>	Northern Goshawk	S4	G5	NAR	THR		NAR	N5	Po
<i>Accipiter striatus</i>	Sharp-shinned Hawk	S5	G5				NAR	N5B,N5N	Po
<i>Actitis macularia</i>	Spotted Sandpiper	S5	G5				N5B		Co
<i>Aegolius acadicus</i>	Northern Saw-whet Owl	S4	G5		THR		N5B,N5N		Po
<i>Agelaius phoeniceus</i>	Red-winged Blackbird	S4	G5				N5B,N5N		Co
<i>Aix sponsa</i>	Wood Duck	S5	G5				N5B,N5N		Co
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	S4B	G5	SC			N4B		
<i>Anas acuta</i>	Northern Pintail	S5	G5				N5B,N5N		
<i>Anas clypeata</i>	Northern Shoveler	S4	G5				N5B,N5N		
<i>Anas crecca</i>	Green-winged Teal	S4	G5				N5B,N5N		
<i>Anas discors</i>	Blue-winged Teal	S4	G5				N5B		Po
<i>Anas platyrhynchos</i>	Mallard	S5	G5				N5B,N5N		Co
<i>Anas rubripes</i>	American Black Duck	S4	G5				N5B,N5N		Co
<i>Anas strepera</i>	Gadwall	S4	G5				N5B,N4N		
<i>Anstroctomus vociferus</i>	Eastern Whip-poor-will	S4B	G5	THR		THR	N4B		Pr
<i>Archilochus colubris</i>	Ruby-throated Hummingbird	S5B	G5				N5B		Co
<i>Ardea herodias</i>	Great Blue Heron	S4	G5		SC		N5B		Po
<i>Asio otus</i>	Long-eared Owl	S4	G5				N5B,N5N		
<i>Aythya collaris</i>	Ring-necked Duck	S5	G5				N5B,N5N		Pr
<i>Bartramia longicauda</i>	Upland Sandpiper	S4B	G5				N5B		
<i>Bombycilla cedrorum</i>	Cedar Waxwing	S5B	G5				N5		Pr
<i>Bonasa umbellus</i>	Ruffed Grouse	S4	G5				N5		Co
<i>Botaurus lentiginosus</i>	American Bittern	S4B	G4				N5B,N3N		Pr
<i>Branta canadensis</i>	Canada Goose	S5	G5				N5B,N5N		Co
<i>Bubo virginianus</i>	Great Horned Owl	S4	G5				N5		Pr
<i>Buteo jamaicensis</i>	Red-tailed Hawk	S5	G5	NAR		NAR	N5B		Po
<i>Buteo lineatus</i>	Red-shouldered Hawk	S4B	G5	NAR	SC	NAR	N4B		Co
<i>Buteo platyterus</i>	Broad-winged Hawk	S5B	G5				N5B		Co
<i>Butorides virescens</i>	Green Heron	S4B	G5				N4B		
<i>Cardellina canadensis</i>	Canada Warbler	S4B	G5	THR	THR	SC	N5B		Po
<i>Cardinalis cardinalis</i>	Northern Cardinal	S5	G5				N5		Pr
<i>Cathartes aura</i>	Turkey Vulture	S5B	G5				N5B		Po
<i>Catharus fuscescens</i>	Veery	S4B	G5				N5B		Pr
<i>Catharus guttatus</i>	Hermit Thrush	S5B	G5				N5B		Co
<i>Catharus ustulatus</i>	Swainson's Thrush	S4B	G5				N5B		
<i>Certhia americana</i>	Brown Creeper	S5B	G5				N5		Po
<i>Chaetura pelagica</i>	Chimney Swift	S4B,S4N	G5	THR	THR	THR	N4B		Pr
<i>Charadrius vociferus</i>	Killdeer	S5B,S5N	G5				N5B		Co
<i>Chlidonias niger</i>	Black Tern	S3B	G4	NAR		SC	N4N5B		
<i>Chordeiles minor</i>	Common Nighthawk	S4B	G5	THR	THR		N4B		Po
<i>Circus cyaneus</i>	Northern Harrier	S4B	G5	NAR		NAR	N5B,N4N		
<i>Cistothorus palustris</i>	Marsh Wren	S4B	G5				N5B		
<i>Cistothorus platensis</i>	Sedge Wren	S4B	G5	NAR		NAR	N5B		
<i>Coccythraustes vesperinus</i>	Evening Grosbeak	S4B	G5				N5		Pr
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	S5B	G5				N5B		Po
<i>Colaptes auratus</i>	Northern Flicker	S4B	G5				N5		Co
<i>Columba livia</i>	Rock Pigeon	SNA	G5				NNA	SE	Co
<i>Contopus cooperi</i>	Olive-sided Flycatcher	S4B	G4	THR	THR	SC	N4B		Po
<i>Contopus virens</i>	Eastern Wood-pewee	S4B	G5	SC		SC	N4N5B		Co
<i>Corvus brachyrhynchos</i>	American Crow	S5B	G5				N5B,N5N		Co
<i>Corvus corax</i>	Common Raven	S5	G5				N5		Co
<i>Cyanocitta cristata</i>	Blue Jay	S5	G5				N5		Co
<i>Cygnus olor</i>	Mute Swan	SNA	G5				NNA	SE	
<i>Dolichonyx oryzivorus</i>	Bobolink	S4B	G5	THR		THR	N4N5B		
<i>Dryocopus pileatus</i>	Pileated Woodpecker	S5	G5				N5		Pr
<i>Dumetella carolinensis</i>	Gray Catbird	S4B	G5				N5B		Co
<i>Empidonax alorum</i>	Alder Flycatcher	S5B	G5				N5B		Po
<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	S5B	G5				N5B		Co
<i>Empidonax minimus</i>	Least Flycatcher	S4B	G5				N5B		Po
<i>Empidonax traillii</i>	Willow Flycatcher	S5B	G5				N5B		Po
<i>Empidonax virescens</i>	Acadian Flycatcher	S2S3B	G5	END		END	N2N3B		Po
<i>Eremophila alpestris</i>	Horned Lark	S5B	G5		END		N5B,N5N		
<i>Falco columbarius</i>	Merlin	S5B	G5	NAR			NAR	N5B,N5N	
<i>Falco sparverius</i>	American Kestrel	S4	G5				N5B		Po
<i>Fulica americana</i>	American Coot	S4B	G5	NAR			NAR	N5B	
<i>Gallinula chloropus</i>	Common Gallinule	S4B	G5				NNR		
<i>Gavia immer</i>	Common Loon	S5B,S5N	G5	NAR			NAR	N5B,N5N	Co
<i>Geothlypis philadelphia</i>	Mourning Warbler	S4B	G5				N5B		Po
<i>Geothlypis trichas</i>	Common Yellowthroat	S5B	G5				N5B		Co
<i>Haemorhous mexicanus</i>	House Finch	SNA	G5				N5	SE	
<i>Haemorhous purpureus</i>	Purple Finch	S4B	G5				N5B,N5N		Co
<i>Haliaeetus leucocephalus</i>	Bald Eagle	S2N,S4B	G5	NAR		SC	N5B,N5N		Pr
<i>Hirundo rustica</i>	Barn Swallow	S4B	G5	THR		THR	N4N5B		Co
<i>Hydroprogne caspia</i>	Caspian Tern	S3B	G5	NAR		NAR	N3N4B		
<i>Hyalocichla mustelina</i>	Wood Thrush	S4B	G4	THR		SC	N4B		Po
<i>Icterus galbula</i>	Baltimore Oriole	S4B	G5				N5B		Po
<i>Icterus spurius</i>	Orchard Oriole	S4B	G5				N4N5B		
<i>Ixobrychus exilis</i>	Least Bittern	S4B	G5	THR	THR	THR	N4B		
<i>Junco hyemalis</i>	Dark-eyed Junco	S5B	G5				N5B,N5N		Pr
<i>Lanius ludovicianus</i>	Loggerhead Shrike	S2B	G4	END	END	END	N3N4B		
<i>Larus argentatus</i>	Herring Gull	S5B,S5N	G5				N5B,N5N		Po
<i>Larus delawarensis</i>	Ring-billed Gull	S5B,S4N	G5				N5B,N5N		
<i>Lophodytes cucullatus</i>	Hooded Merganser	S5B,S5N	G5				N5B		Co
<i>Loxia curvirostra</i>	Red Crossbill	S4B	G5		END		N5		
<i>Loxia leucoptera</i>	White-winged Crossbill	S5B	G5				N5		Pr
<i>Megasceryle alcyon</i>	Belted Kingfisher	S4B	G5				N5B		Po
<i>Megascops asio</i>	Eastern Screech-Owl	S4	G5	NAR		NAR	N4N5		
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	S4B	G5	THR	THR	SC	N4B		Pr
<i>Melospiza gallopavo</i>	Wild Turkey	S5	G5				N5		
<i>Melospiza georgiana</i>	Swamp Sparrow	S5B	G5				N5B		Pr
<i>Melospiza lincolni</i>	Lincoln's Sparrow	S5B	G5				N5B		Pr
<i>Melospiza melodia</i>	Song Sparrow	S5B	G5				N5B,N5N		Co
<i>Mergus merganser</i>	Common Merganser	S5B,S5N	G5				N5B,N5N		Co
<i>Mergus serrator</i>	Red-breasted Merganser	S4B,S5N	G5				N5B,N5N		
<i>Mimus polyglottos</i>	Northern Mockingbird	S4	G5				N4		

Confirmed	52
Probable	32
Possible	34
No Code	52
Total	170

Table B2 - OBBA Summary  
Parts of Lots 30 and 31, Concession 11, Havelock-Belmont-Methuen Township

<i>Mniotilta varia</i>	Black-and-white Warbler	S5B	G5				N5B		Pr
<i>Malothrus ater</i>	Brown-headed Cowbird	S4B	G5				N5B		Pr
<i>Myiarchus crinitus</i>	Great Crested Flycatcher	S4B	G5				N5B		Co
<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	S3B,S3N	G5				N4N5B		
<i>Oreothlypis peregrina</i>	Tennessee Warbler	S5B	G5				N5B		
<i>Oreothlypis ruficapilla</i>	Nashville Warbler	S5B	G5				N5B		Co
<i>Pandion haliaetus</i>	Osprey	S5B	G5				N5B		Co
<i>Parkesia motacilla</i>	Louisiana Waterthrush	S3B	G5	THR		SC	N3B		
<i>Parkesia noveboracensis</i>	Northern Waterthrush	S5B	G5				N5B		Po
<i>Passer domesticus</i>	House Sparrow	SNA	G5				NNA	SE	Co
<i>Passerculus sandwichensis</i>	Savannah Sparrow	S4B	G5				N5B		Po
<i>Passerina cyanea</i>	Indigo Bunting	S4B	G5				N5B		Pr
<i>Perisoreus canadensis</i>	Gray Jay	S5	G5				N5		Po
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	S4B	G5				N5B		Co
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	S5B	G5	NAR		NAR	N5B		
<i>Phalaropus tricolor</i>	Wilson's Phalarope	S3B	G5				N5B		
<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	S4B	G5				N5B		Pr
<i>Picoides arcticus</i>	Black-backed Woodpecker	S4	G5				N5		
<i>Picoides pubescens</i>	Downy Woodpecker	S5	G5				N5		Co
<i>Picoides villosus</i>	Hairy Woodpecker	S5	G5				N5		Co
<i>Pipilo erythrophthalmus</i>	Eastern Towhee	S4B	G5				N4N5B		Po
<i>Piranga olivacea</i>	Scarlet Tanager	S4B	G5				N5B		Pr
<i>Podilymbus podiceps</i>	Pied-billed Grebe	S4B,S4N	G5				N5B		
<i>Poecile atricapillus</i>	Black-capped Chickadee	S5	G5				N5		Co
<i>Poliptila caerulea</i>	Blue-gray Gnatcatcher	S4B	G5				N4B		
<i>Poocetes gramineus</i>	Vesper Sparrow	S4B	G5		END		N5B		Pr
<i>Porzana carolina</i>	Sora	S4B	G5				N5B		
<i>Progne subis</i>	Purple Martin	S4B	G5				N5B		
<i>Quiscalus quiscula</i>	Common Grackle	S5B	G5				N5B		Co
<i>Rallus limicola</i>	Virginia Rail	S5B	G5				N5B		Po
<i>Regulus calendula</i>	Ruby-crowned Kinglet	S4B	G5				N5B		
<i>Regulus satrapa</i>	Golden-crowned Kinglet	S5B	G5				N5		Po
<i>Riparia riparia</i>	Bank Swallow	S4B	G5	THR		THR	N5B		Co
<i>Sayornis phoebe</i>	Eastern Phoebe	S5B	G5				N5B		Co
<i>Scolopax minor</i>	American Woodcock	S4B	G5				N5B		Po
<i>Seiurus aurocapilla</i>	Ovenbird	S4B	G5				N5B		Pr
<i>Setophaga americana</i>	Northern Parula	S4B	G5				N5B		
<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	S5B	G5				N5B		Po
<i>Setophaga cerulea</i>	Cerulean Warbler	S3B	G4	END	SC	THR	N3B		
<i>Setophaga coronata</i>	Yellow-rumped Warbler	S5B	G5				N5B		Pr
<i>Setophaga discolor</i>	Prairie Warbler	S3B	G5	NAR		NAR	N3B		
<i>Setophaga fusca</i>	Blackburnian Warbler	S5B	G5				N5B		Co
<i>Setophaga magnolia</i>	Magnolia Warbler	S5B	G5				N5B		Po
<i>Setophaga nigrescens</i>	Black-throated Gray Warbler	SNA	G5				N4N5B		Po
<i>Setophaga pensylvanica</i>	Chestnut-sided Warbler	S5B	G5				N5B		Po
<i>Setophaga petechia</i>	Yellow Warbler	S5B	G5				N5B		Pr
<i>Setophaga pinus</i>	Pine Warbler	S5B	G5				N5B		Pr
<i>Setophaga ruticilla</i>	American Redstart	S5B	G5				N5B		Co
<i>Setophaga tigrina</i>	Cape May Warbler	S5B	G5				N5B		
<i>Sialia sialis</i>	Eastern Bluebird	S5B	G5	NAR		NAR	N5B		Co
<i>Sitta canadensis</i>	Red-breasted Nuthatch	S5	G5				N5		Co
<i>Sitta carolinensis</i>	White-breasted Nuthatch	S5	G5				N5		Co
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	S5B	G5				N5B		Co
<i>Spinus pinus</i>	Pine Siskin	S4B	G5				N5		Pr
<i>Spinus tristis</i>	American Goldfinch	S5B	G5				N5B,N5N		Co
<i>Spizella pallida</i>	Clay-colored Sparrow	S4B	G5				N5B		
<i>Spizella passerina</i>	Chipping Sparrow	S5B	G5				N5B		Co
<i>Spizella pusilla</i>	Field Sparrow	S4B	G5				N4B		
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow	S4B	G5				N5B		Pr
<i>Sterna hirundo</i>	Common Tern	S4B	G5	NAR		NAR	N5B		
<i>Strix varia</i>	Barred Owl	S5	G5				N5		Pr
<i>Sturnella magna</i>	Eastern Meadowlark	S4B	G5	THR		THR	N4B		
<i>Sturnella neglecta</i>	Western Meadowlark	S3B	G5				N5B		
<i>Sturnus vulgaris</i>	European Starling	SNA	G5				NNA	SE	Co
<i>Tachycineta bicolor</i>	Tree Swallow	S4B	G5				N5B		Co
<i>Toxostoma rufum</i>	Brown Thrasher	S4B	G5				N5B		Po
<i>Troglodytes aedon</i>	House Wren	S5B	G5				N5B		Co
<i>Troglodytes hiemalis</i>	Winter Wren	S5B	G5				N5B		Pr
<i>Turdus migratorius</i>	American Robin	S5B	G5				N5B,N5N		Co
<i>Tyrannus tyrannus</i>	Eastern Kingbird	S4B	G5				N5B		Pr
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	S4B	G4	THR	THR	SC	N4B		
<i>Vireo flavifrons</i>	Yellow-throated Vireo	S4B	G5				N4B		Po
<i>Vireo gilvus</i>	Warbling Vireo	S5B	G5				N5B		Po
<i>Vireo olivaceus</i>	Red-eyed Vireo	S5B	G5				N5B		Co
<i>Vireo philadelphicus</i>	Philadelphia Vireo	S5B	G5				N5B		
<i>Vireo solitarius</i>	Blue-headed Vireo	S5B	G5				N5B		Po
<i>Zenaidura macroura</i>	Mourning Dove	S5	G5				N5		Pr
<i>Zonotrichia albicollis</i>	White-throated Sparrow	S5B	G5				N5B		Pr

**Table B1 - Vascular Plant List**  
**Parts of Lots 30 and 31, Concession 11 Township of**  
**Havelock-Belmont-Methuen, County of Peterborough, Ontario**

Common Name	Scientific Name
Balsam Fir	<i>Abies balsamea</i>
Striped Maple	<i>Acer pensylvanicum</i>
Mountain Maple	<i>Acer spicatum</i>
European Alder	<i>Alnus glutinosa</i>
Speckled Alder	<i>Alnus incana</i>
Wild Sarporilla	<i>Aralia nudicaulis</i>
Yellow Birch	<i>Betula alleghaniensis</i>
Water Sedge	<i>Carex aquatilis</i>
Bunchberry	<i>Cornus canadensis</i>
Sedge sp.	Cyperaceae
Fern spp.	<i>Dryopteris sp.</i>
Wild Strawberry	<i>Fragaria vesca</i>
Purple Loosestrife	<i>Lythrum salicaria</i>
Sensitive Fern	<i>Onoclea sensibilis</i>
Reed Canary Grass	<i>Phalaris arundinacea</i>
White Spruce	<i>Picea glauca</i>
Choke Cherry	<i>Prunus virginiana</i>
Common Blackberry	<i>Rubus allegheniensis</i>
Swamp Dewberry	<i>Rubus hispidus</i>
Willow sp.	<i>Salix sp.</i>
Bittersweet Nightshade	<i>Solanum dulcamara</i>
Goldenrod	<i>Solidago</i>
Early Meadowrue	<i>Thalictrum dioicum</i>
American Basswood	<i>Tilia americana</i>
Starflower	<i>Trientalis borealis</i>
Colt's Foot	<i>Tussilago farfara</i>

TOWNSHIP OF HAVELock-BELMONT-METHUEN

COMMITTEE OF ADJUSTMENT

Date of Hearing: June 16, 1998  
File No: A-5-98-010-007-703-00  
Applicant: Charles & Linda Harvey  
Address: [Redacted]

The Committee of Adjustment for the Township of Havelock-Belmont-Methuen has reached the following decision:

Approved   
Approval with conditions   
Denied   
Cancelled

Conditions if any to the Decision:

Submit new plan moving bldg back as per MNR recommendations

The above decision was made for the following reasons:

Members of the Committee present who concur with the above decision

Members of the Committee present who oppose the above decision

R. T. Waters  
B. Spangue  
D. Merow  
B. Mathews  
Evy Blon

[Empty lines for opposing members]

Certified to be a true copy of the Decision of the Committee of Adjustment in respect to Application A-5-98-010-007-703-00 passed at a meeting of the said Committee duly held on the 16th day of June, 1998.

Deanne Hill  
Secretary Treasurer



# The Corporation of the Township of Havelock-Belmont-Methuen

Ronald Gerow Reeve

Dianne Hill CAO, Treasurer  
Donald Kelloway Clerk

PO BOX 10  
Havelock, Ontario, KOL 1Z0

Office 705-778-2308  
Fax 705-778-5248

Date: June 17, 1998  
File No: A-5-98-010-007-703 00

COMMITTEE OF ADJUSTMENT  
NOTICE OF DECISION AND RIGHT TO APPEAL

Charles & Linda Harvey

Dear Mr & Mrs

TAKE NOTICE that the enclosed is a certified copy of the Decision of the Committee in the matter of an application pursuant to the Planning Act, 1990, Section 44, in respect of Land which is located on Lot 30 A Concession 11 in the Township of Methuen in the County of Peterborough.

The Applicant, the Minister or any other person to whom notice of the decision was sent, may within TWENTY days of the making of the decision appeal to the Municipal Board against the decision of the Committee by filing with the Secretary-Treasurer of the Committee a notice of appeal setting out written reasons in support of the appeal prescribed by the Board under the Ontario Municipal Board Act. This fee is \$125.00 and is to be made payable to the TREASURER OF ONTARIO.

On an appeal to the Municipal Board under Section 45(12) the Board shall hold a hearing of which notice shall be given to such agencies or persons and in such manner as the Board may determine.

The Municipal Board may, where it is of the opinion that the reasons in support of an appeal under Section 45(17) are insufficient, may dismiss the appeal without holding a full hearing, but before so dismissing the appeal, shall notify the appellant and afford him an opportunity to make representations as to the merits of the appeal.

Following the hearing on an appeal under Section 45(12), the Municipal Board may make any decision that the Committee could have made on the original application.

Where the decision of the Committee of Adjustment on an application is to give a consent and there has been no appeal under Section 45(12), the consent shall be given, except that where conditions have been imposed the consent shall not be given until the Committee is satisfied that the conditions have been fulfilled.

Dianne Hill  
Secretary-Treasurer  
Committee of Adjustment



Committee of Adjustment

NOTICE OF PUBLIC HEARING  
OF APPLICATION FOR MINOR VARIANCE

Planning Act, 1983, c. 1, ss. 44 (5). R.R.O. 1980, Reg. 787

(a) Name of committee ..... Township of Havelock-Belmont-Methuen Committee of Adjustment

(b) Name of applicant ..... RE AN APPLICATION BY (b) Charles + Linda Hawes, 41 Weckskill Dr. Scarborough Ont.

(c) Brief description ..... LOCATION OF PROPERTY (c) Concession 11, Lot 30, Methuen twp.

(d) As set out in application ..... PURPOSE OF APPLICATION (d) To build a storage shed on abutting land locked property.

TAKE NOTICE that an application under the above file number will be heard by the committee on the date, and at the time and place shown below.

DATE ..... April 21st, 1998 ..... TIME ..... 7:00 P.M.

PLACE AND ADDRESS ..... Township of Havelock-Belmont-Methuen Council Chambers, R.R.#3 Havelock Ont. (Former Belmont + Methuen Township Hall)

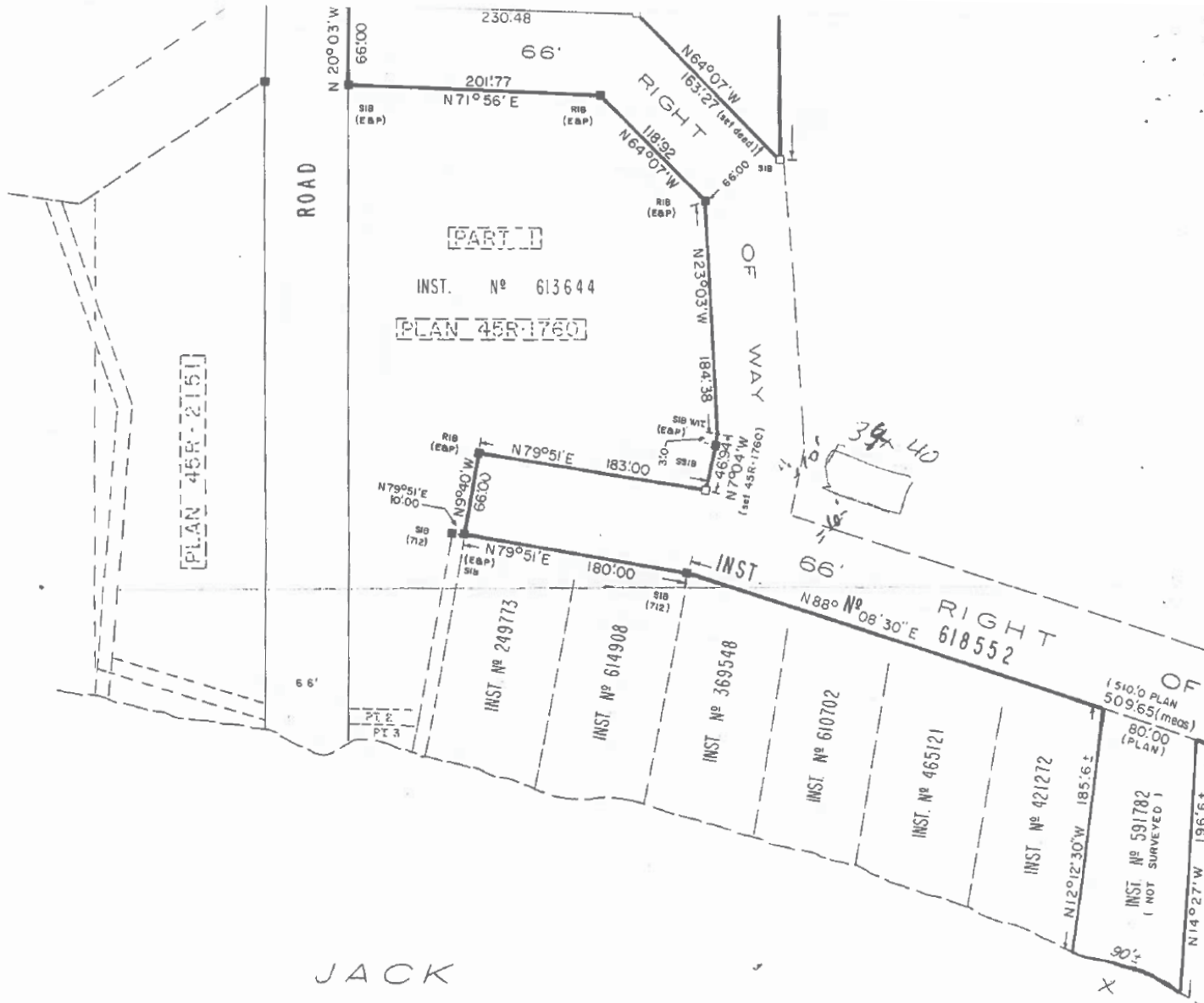
**PUBLIC HEARING** — You are entitled to attend this public hearing in person to express your views about this application or you may be represented by counsel for that purpose. If you are aware of any person interested in or affected by this application who has not received a copy of this notice you are requested to inform that person of this hearing. If you wish to make written comments on this application they may be forwarded to the secretary-treasurer of the committee at the address shown below.

**FAILURE TO ATTEND HEARING** — If you do not attend at the hearing it may proceed in your absence and, except as otherwise provided in the *Planning Act*, you will not be entitled to any further notice in the proceedings.

**NOTICE OF DECISION** — A copy of the decision of the committee will be sent to the applicant and to each person who appeared in person or by counsel at the hearing and who has filed with the secretary-treasurer a written request for notice of the decision.

Dated this ..... 9th ..... day  
of ..... April ..... 1998

.....  
Signature of Secretary-Treasurer  
Township of Havelock Belmont-Methuen Committee of Adjustment  
.....  
Name of Committee  
.....  
P.O. Box 10  
.....  
Address  
Havelock, Ont. K0L 1Z0



[PLAN 45R-216]

PART I

INST. No 613644

PLAN 45R-1760

ROAD

RIGHT

OF WAY

INST

RIGHT

OF

JACK

LAKE

X



COMMITTEE OF ADJUSTMENT

RECEIVED APR 1 1998

FOR OFFICE USE ONLY

Date Received 10-7-703-00  
Roll No.

P.O. Box 10,  
Havelock, Ontario  
K0L 1Z0  
Phone (705) 778-2308

APPLICATION FOR A MINOR VARIANCE

- 1. Name of Applicant CHARLES ROLAND HARVEY (LINDA EVA HARVEY)  
Address \_\_\_\_\_  
Telephone No. \_\_\_\_\_
- 2. Name of Owner (if other than applicant) \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone No. \_\_\_\_\_
- 3. Name of Agent (if any) \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone No. \_\_\_\_\_

4. Location of Subject Property:  
Concession 11 Lot 30 Township BELMONT METHUEN

Reason why a minor variance is requested  
TO BUILD A STORAGE GARAGE ON LAND LOCKED PIECE OF PROPERTY.

- 5. Date of acquisition of subject land JAN 10, 1996
- 6. Existing uses of the subject property NOT BEING USED FOR ANYTHING

7. Has the owner previously applied for a variance in respect of the subject property?  
YES \_\_\_\_\_ NO X  
If the answer is yes, describe briefly: \_\_\_\_\_

INSTRUCTIONS

- 1. One copy of the application form is to be completed. Plans and other supporting documents are required as indicated.
- 2. The application shall be accompanied by a site plan indicating the following:
  - 1) Property dimensions and related street lines, including reference to the nearest intersecting street.
  - 11) Location, dimension and size of all existing and proposed buildings and accessory facilities.
  - 111) Dimensions of front, side and rear yards and distances between adjacent buildings.
  - 1V) Directions to property
- 3. Submission of Application:  
Must submit in writing at least two weeks prior to the Committee of Adjustment Meeting (third Thursday of each month) to: Stephen Kzezi, Clerk Treasurer  
Townships of Belmont & Methuen  
P.O. Box 10, Havelock, Ont. K0L 1Z0
- 4. Fee Schedule: Reference By-Law No. 1995-09  
A fee of \$300.00 must be paid by the applicant and submitted with the application to cover administration costs for processing your application. If any additional costs shall occur while processing your application other than administration, these costs shall be paid by the applicant upon notification of such by the Clerk Treasurer.

I do solemnly declare that all the statements contained in this application are true and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Charles Roland Harvey  
Signature of applicant or  
Authorized Agent.  
Linda Eva Harvey

April 1, 1998  
Date

4:20 P.M.

# IMPORTANT

April 16, 1998

**TO:** Dianne Hill (Secretary-Treasurer) **Fax<sup>™</sup> 1-706-778-5248**  
Township of Havelock-Belmont-Methuen

**FROM:** Mr. John Barker (Toronto phone [REDACTED])  
Toronto address (see last page)

**MEETING :** April 21st, 1998 7:00pm meeting at Council  
Chambers, Havelock, Ontario.  
Committee of Adjustment

**SUBJECT:** Notice of Public Hearing of Application for  
Minor Variance

**FILE #** A-5-98-010-007-703

**3 PAGES TOTAL (SEE 2 PAGES FOLLOWING)**

3 pages total.

April 16, 1998

**Attn:** Dianne Hill (Secretary-Treasurer TWP. Havelock-Belmont Methuen)

**Subject:** File # A-5-98-010-007-703      **Received:** April 14, 1998

**RE:** application by:

Charles & Linda Harvey, Concession 11 pt Lot 30, Methuen Twp.

**RE:** Notice of Public Hearing of Application for Minor Variance  
Township of Havelock-Belmont Methuen Committee of Adjustment

**From:** Mr. John Barker (Lot # 9 Con 11 Part of lot 30 Methuen Township)

On April 14, 1998 I received this notice of the Public Hearing regarding the Variance Application by the applicants, for the purpose of building a STORAGE SHED on their (land locked) property, along with a photo copy diagram of a proposed building 34' x 40' in size, indicating that it would be located 10' East of the Easterly 66' right of way, and 10' North of the North side of the 66' right of way.

My concerns regarding this application are as follows:

a/ That this land is unsuitable compared to, the applicants property on the North side of his acreage abutting Shady Lane which is accessible property by county road.

b/The proposed site, is located off a private road, serviced & maintained by individual cottage owners, residing on Brooks Bay, Jack Lake, Lots # 1 through to Lot # 9.

c/This proposed lot site is the end of a dug out canal abutting the road and is open to the lake. Flowing into the West end of the canal is a fresh water stream running through the applicants property. The water level in the lake is maintained in this canal until the lake is lowered in the late fall of the year. Therefore, there is always water present and drainage also comes from the private road, abutting hills and adjoining properties. There is a minimum of 6 foot difference between the level of the road and the bottom of the canal when it is dry.

d/Every Spring a family of Beavers dam up the Easterly end of the canal thus increasing the level of water to this site and along the shore line of the canal. As you would expect this site is frequented by wildlife, Beavers, Muskrat, Mink and Otters and other inhabitants of the land.

cont...page 2/



2/

e/ There are better sites for a SHED of this SIZE esthetically and geographically. Due to the proposed location, this structure would create a visual obstruction for those using this road, due to the 90 degree turn and a double curve leading out to the county road. This double curve in the road is hazardous enough due to the growth of trees and shrubs (which must be cut and trimmed many times during the growth season). Both directions, coming and going to and from the cottages on this single lane road, would be put in a more precarious position due to this obstruction. There are also numerous culverts in the road which flow into the road right of way and then onto the applicants' property and into the canal eventually.

f/ Speaking environmentally, as this is lake water, does the Ministry of Environment have to be informed as to the possibility of having to fill this site with rock and sand, etc. ?

g/ This proposed building would block the view of the existing cottage owners and esthetically be an eye sore due to it's immense size.

h/ The only way to visualize this scenario, is to have an onsite investigation by the township, prior to any decision being made on this proposal.

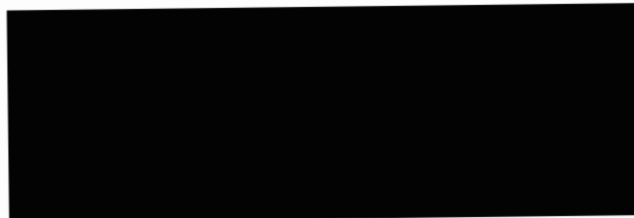
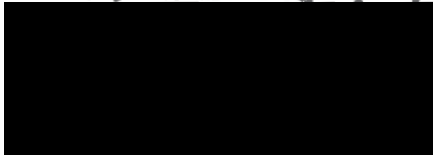
i/ Further, I question why this proposal is considered a MINOR VARIANCE APPLICATION, as based on the photocopy forwarded along with the application, I find the MINIMAL land footage butting onto both road right of ways and the massive size of the proposed building, to be MAJOR.

- \* As we oppose application and are not able to attend the meeting on April 21 st/98 at 7:00 pm at the Township of Havelock-Belmont-Methuen, Council Chambers, we are faxing our concerns to be read into the meeting and directed to Dianne Hill, Secretary Treasurer of Havelock-Belmont-Methuen.

In closing, I would like to suggest, that a meeting regarding this proposal, which effects so many cottage owners on this single lane cottage road, could be re-convened in approximately 1 to 2 months down the road, in order that all would be available to express their concerns.

Regards,

  
Mr. John Barker (property owner)



*copy to Perry*

April 19, 98.

Townships Belmont-Methuen  
Box 10  
Havelock, Ontario.

Committee of Adjustment  
Attention: Diane Hill.

It has been brought to my attention that a building permit to construct a 34 x 40 building directly behind the access road presently being used by cottagers and year round residents has been applied for by Charles & Linda Harvey.  
FILE # AS 98-010-007-703.


My understanding is that this structure would be erected directly to the North or behind the Leslie and Clarke properties?

I feel I must object strongly to this for a number of reasons.

- 1. Uncertain of exact site location.
- 2. Uses for which this unit will be used? Mr. Harvey is in the automotive & tire business !
- 3. There is a natural and very important drainage culvert immediately to the north of this road and cannot be blocked off. This being all wetland a tremendous amount of fill would have to be put in.
- 4. Type and appearance of structure.

We will not be returning from Florida until the 4th of May. I sincerely would hope that a very serious study would be made by the Township into this matter before any permits are issued.

Respectfully submitted,

  
George Long

[REDACTED]

Part Lot 30 Conc.11 Part 1





Box 500  
Bancroft Ontario  
K0L 1C0

Telephone: (613) 332-3940  
Fax: (613) 332-0608

June 2, 1998

Reeve  
Municipality of the United Twps of  
Belmont & Methuen  
R.R. #3, Box 10  
Havelock, Ontario  
K0L 1Z0

Subject: **Proposed Building on Lot 30, Concession XI, Methuen Township, Shady Lane**

Dear Reeve:

A site inspection was done at the above location by this office on June 2, 1998 with Barry Alimune from the Municipality of Belmont & Methuen. As a result of this inspection, this office has determined that if the proponent builds on the area proposed, a small amount of filling would be required on shorelands, (Fish Habitat), which is connected to Jacks Lake.

This would require approval from the Department of Fisheries and Oceans before any filling could take place. The proponent may wish to consider moving his building location to the North onto higher ground, in which case no shorelands, (Fish Habitat) exists and therefore no approval would be required from DFO or this office.

...2

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June 2, 1998

Municipality of the United Twps of  
Belmont & Methuen

If the proponent wishes to pursue approval from the Department of Fisheries and Oceans to fill shorelands, please have him contact George Oram at this office for an application form.

Yours truly,

A handwritten signature in blue ink, appearing to read "B. Vermeersch", with a long horizontal flourish extending to the right.

Brian Vermeersch  
Bancroft Area Supervisor  
Bancroft District

G. Oram

7-703-00

**THE CORPORATION of the TOWNSHIP Of HAVELOCK-BELMONT-METHUEN**

**Ronald Gerow Reeve**  
**Dianne Hill CAO, Clerk Treasurer**

**Office 705-778-2308**  
**Fax 705-778-5248**

**PO BOX 10**  
**Havelock, Ontario, K0L 1Z0**

July 20th, 1998.

Mr. & Mrs. Charles Harvey,



Dear Mr. & Mrs. Harvey:

Please find enclosed, a copy of the minutes from the meeting of Council held May 19th, 1998, at which your minor variance was discussed.

I wish to advise you, that the condition of joining the two lots as one, also applies to your minor variance as per the attached minutes.

Unfortunately, due to the delay and numerous discussions this condition was not placed on the approval form of the minor variance, which you received.

Sincerely yours,

A handwritten signature in cursive script that reads "D. Hill".

Dianne Hill,  
CAO, Clerk Treasurer.

dh





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R-228-98 Moved by: Councillor Bloor  
Seconded by: Councillor Mathews

That application A-7-98-4-066-00 be deferred until the next meeting of the Planning Advisory Committee for further recommendations. Carried.

Mr. Ken Williams came forward and stated that the shed would be moved and thereby allowing Mr. Shrubbs adequate parking space.

Application A-5-98-7-703-00, Charles and Linda Harvey

Deputy Reeve Watson asked if notice had been given and by what manner. Clerk informed that notice had been sent by first class prepaid mail to all abutting landowners and that five letters of objection had been received. Deputy Reeve Watson asked if there was anyone present who wished to speak against the application to come forward and state their name. Mr. John Barker came forward and stated he was opposing the variance along with the four other persons present with him. This property is landlocked and the only access is by water and is under 3 or 4 feet of water. Not a suitable position because the private road has a double curve in it. It also backs onto four cottages and this would obstruct traffic and would be dangerous for children. Councillor Bloor stated the drawing Council had seen was a good 10 feet if not more from the road and were of the opinion he had permission of the MNR for the fill. Mr. Barker still felt inappropriate spot for a structure, and would obstruct the view. Mr. Gerow clarified Mr. Barker's concerns. Informed Council had been out and did an inspection of the site and discussed where the structure would be. Mr. Harvey was prepared to meet with the requirements of the MNR and that is out of Council's jurisdiction, they can only deal with the building issues.

Mr. Don Clark was present, and lives directly behind Mr. Harvey. His concern is his seven grandchildren and the concern of the naturalness of the area.

Marion Leslie behind Mr. Harvey feels they shouldn't build there because she thought they couldn't build on the other side of the road.

Reeve Gerow stated that another condition of the permit would be that his cottage property and this parcel would combine as one parcel of land.

R-229-98 Moved by: Reeve Gerow  
Seconded by: Councillor Grainger

That application A-5-98-7-703-00 be deferred until such time as Council has received the comments from the MNR, as to what they allow Mr. Harvey to do on the parcel of land under their requirements. Carried.

R-230-98 Moved by: Councillor Bloor  
Seconded by: Councillor Mathews

That Council come out of Committee of Adjustment with Reeve Gerow in the chair. Carried.

Delegations

Alice White was present to ask when Council were going to fix the sidewalk on Ottawa St., that had been removed due to a water repair, as she has been declared visually disabled and her husband is wheelchair confined. Finds it very difficult to push his chair across the broken piece of sidewalk. And questioned the fact of graduated curves.

Reeve Gerow informed Mrs. White, that he understands she had brought this forward to the previous Council for the Village of Havelock and the Supt. of Works would be checking into it and has brought forward recommendations to Council at this time. He assured Mrs. White it would be dealt with as soon as possible.



TOWNSHIP OF HAVELOCK-BELMONT-METHUEN JACKS LK

BUILDING INSPECTOR'S OFFICE

Application for Building Permit

No. 98-042

To the Building Inspector: July 16 19 98

I hereby apply for a Building Permit to BUILD A RES GARAGE/STORAGE BLDG.

to be constructed according to plans and specifications submitted and filed in this office, and subject to the provisions of the Building By-Laws or other By-Laws imposing any restrictions on type of location of buildings or businesses in the said Municipality according to the following particulars:

Lot No. AT 30 Con. 11 Twp. METHUEN Roll No. 10-7-703-00

Owner LINDA & CHARLES R. ROLAND Residence [REDACTED]

Phone Contractor NORTHY CONCRETE

Frontage of Lot on which building is to be located Depth Acres 36+

Size of building on ground: Length 40' Width 34' No. of Storeys 1 1/2

Type of Foundation CONCRETE SLAB Thickness 6"±

Style of Roof MANSARD TRUSS Floors CONCRETE Hydro

Insulation Heating No. of Rooms 1

Chimney Fireplace Plumbing

Exterior Walls Constructed of 2x6 @ 16" + 7/16" ASPINITE; WOODWORK & STEEL

Interior Walls Constructed of

Height of Building by storeys: Basement 1st Floor

2nd Floor

Porches Size Construction

Roof to be covered with SHRAPPING & STEEL

Distance of Building from AS PER M.I. OR VARIANCE

Estimated cost of building 30,000.00

SQUARE FOOTAGE 1360sq Permit Fee \$ 287.00

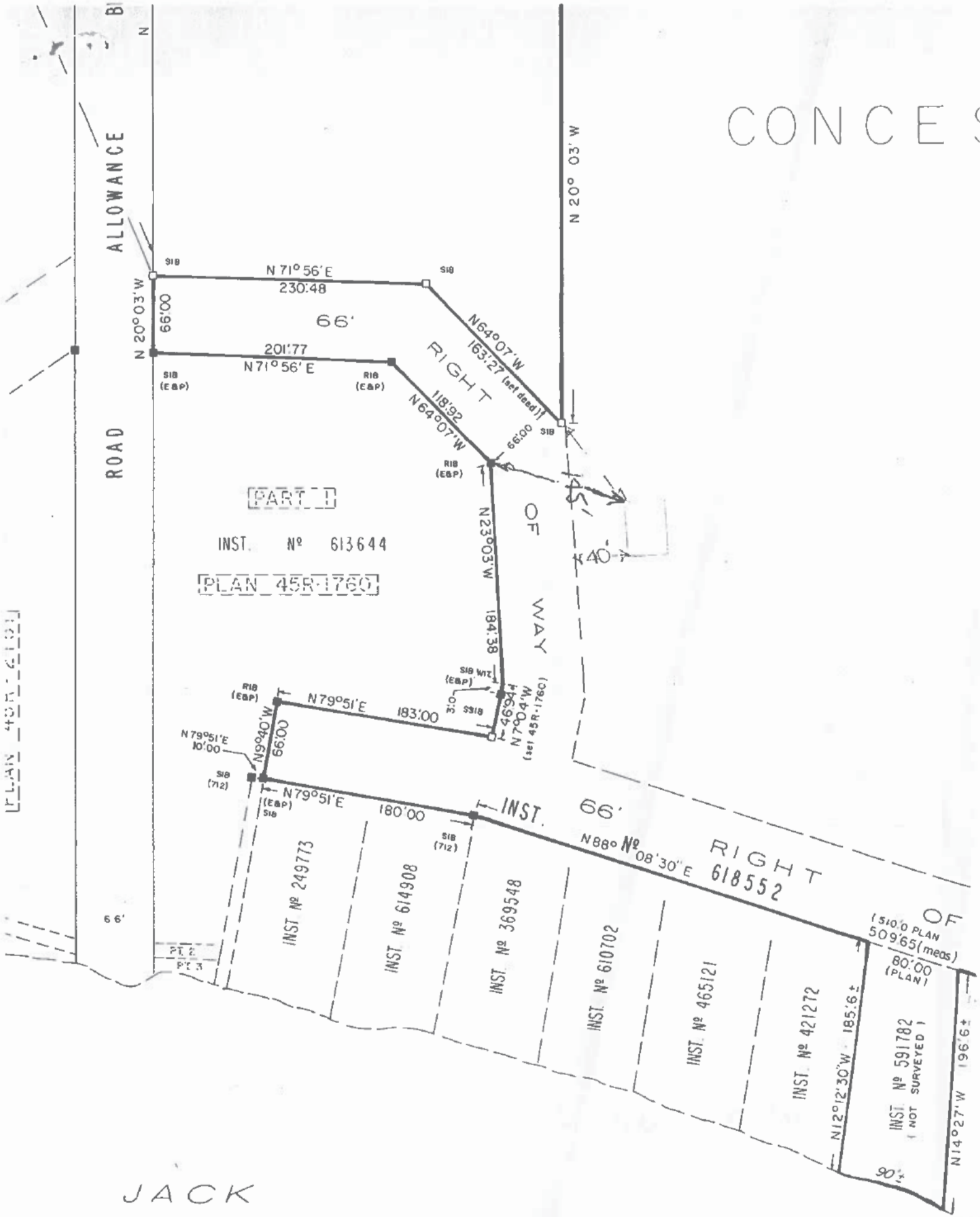
Remarks: THIS BUILDING IS TO BE AN ACCESSORY USE TO THE COTTAGE THAT IS ON LOT OF JACKS LAKE MAXIMUM HEIGHT 15'

Complete Sept 25/98

The applicant hereby acknowledges that full responsibility for conformity to all existing by-laws rest with the owner. I hereby agree to install a driveway culvert, where necessary, at my expense and under the supervision of the Township Road Superintendent.

Signed by Owner or Agent Jay Wilkey

CONCE



PART I

INST. No 613644

PLAN 45R-1760

PLAN 45R-1760

JACK

LAKE