

7 June 2017
Attention: Anthony Leaning
CSV Architects
1066 Somerset Street West
Ottawa Ontario K1Y 4T3

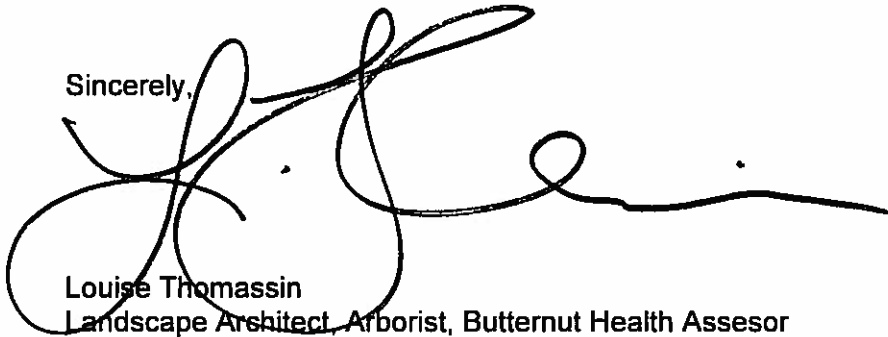
File No. 17664-1

Dear Anthony,

On behalf of cadhco we have undertaken a Butternut Health Assessment as per O.Reg.242/08 and have mailed the required documentation to the Kemptville Ministry of Natural Resources and Forestry district manager. We will confirm receipt of the files with the district office and notify you when the 30 day period expires, afterwhich the Butternut tree may be harmed or killed.

If you have any questions or concerns please do not hesitate to contact me at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read 'Louise Thomassin', with a long horizontal line extending to the right.

Louise Thomassin
Landscape Architect, Arborist, Butternut Health Assesor

Enclosures:

1. Information from the Ministry of Natural Resources and Forestry about Butternut and the *Endangered Species Act, 2007*
2. Butternut Health Assessor's Report
3. Original data forms
4. Electronic and printed copies of the Excel data spreadsheet (BHA Tree Analysis)

Ministry of Natural
Resources and Forestry

Species At Risk
P.O. Box 7000, 300 Water Street
Peterborough ON K9J 8M5

Ministère des Richesses
naturelles et des Forêts

Espèces en péril
C.P. 7000, 300, rue Water
Peterborough ON K9J 8M5



The enclosed Butternut Health Assessor's Report documents the results of the Butternut health assessment that was conducted by the designated Butternut Health Assessor (BHA) identified in the top section of the report. If there are other Butternut trees (of any size or age) at the site that may be affected by the activity and they are not identified in the enclosed BHA Report, they too must be assessed by a designated BHA.

Butternut is listed as an endangered species on the Species at Risk in Ontario List, and as such, it is protected under the *Endangered Species Act, 2007* (ESA) from being killed, harmed, or removed. If you are planning to undertake an activity that may affect Butternut, you may be eligible to follow the requirements set out in section 23.7 of Ontario Regulation 242/08 under the ESA, or you may need to seek an authorization under the ESA (e.g., a permit).

Please visit e-laws at the link provided below for the legal requirements of eligible activities under section 23.7 of Ontario Regulation 242/08 and conditions that must be fulfilled. Information about Butternut is also available at: <http://www.ontario.ca/environment-and-energy/butternut-trees-your-property>.

If you are eligible to kill, harm or take Butternut under section 23.7 of the regulation, your first step is to submit the BHA Report and the original data forms enclosed in this package to the local Ministry of Natural Resources and Forestry (MNR) District Manager. Note that MNR cannot accept photocopies or scanned electronic copies of the data forms.

Note regarding changes:

If the enclosed BHA Report does not identify which Butternut tree(s) are proposed to be killed, harmed, or taken in Table 1 (i.e., if "unknown" is indicated in the second last column of Table 1), or, if the information in the last two columns of Table 1 has changed since the date this BHA Report was produced, **do not make any edits to the BHA Report**. Instead, please attach a cover letter that identifies which Butternut tree(s) are proposed to be killed, harmed, or taken (by referencing the tree identification numbers) when you submit the enclosed BHA Report to the local MNR District Manager.

The BHA Report must be submitted at least 30 days prior to registering an eligible activity to kill, harm, or remove a Butternut tree. During this 30 day period, no Butternut trees (of any category) may be killed, harmed, or removed, and MNR may contact you for an opportunity to examine the trees. If MNR chooses to examine the trees, a representative of MNR will contact you using the information you supplied when you submitted the BHA Report.

If you are eligible to follow the rules in regulation under section 23.7, you may register your activity using the “Notice of Butternut Impact” form on the [MNRF Registry](#) after the 30 day period has elapsed.

If you are **not** eligible to follow the rules in regulation under section 23.7, please contact the local MNRF district office to determine whether you will need to seek an authorization (e.g., a permit). A link to the directory of MNRF offices is provided below.

Note that municipal by-laws and legislation other than the ESA may also be applicable to the removal or harming of trees.

Please retain this information and a copy of the BHA Report (including copies of all data forms) for your records, along with any other documentation you may receive from MNRF should an examination of the trees occur. If you have any questions, please contact your local MNRF district office.

Links:

Endangered Species Act, 2007:

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_07e06_e.htm

Ontario Regulation 242/08 (refer to section 23.7):

http://www.e-laws.gov.on.ca/html/regs/english/elaws_regs_080242_e.htm

MNRF Office Locations:

<https://www.ontario.ca/government/ministry-natural-resources-and-forestry-regional-and-district-offices>

Butternut Health Assessor's Report Number: 515-002

Louise Thomassin, #515
 950 Gladstone Avenue, Unit 202
 Ottawa, ON
 K1Y 3E6
 613-233-8579
 lthomassin@lashleyla.com

CSV Architect ATTN: Anthony Leaning
 1066 Somerset Street West
 Ottawa, ON
 K1Y 4T3
 613-564-8118
 leaning@csv.ca

Site location: 567 Cambridge Street South, Ottawa ON K1S 4J5

Date(s) of Butternut health assessment: June 7th, 2017
 Date BHA Report prepared: June 7th, 2017

Map datum used: NAD83 WGS84

Total number of trees assessed in this BHA Report: 01

The assessed trees were numbered on site using pink safety tape. The numbers at the site correspond to the tree numbers referenced in this report.

This BHA Report includes the following tables:

- Table 1: Butternut Trees Assessed
- Table 2: Trees Determined by BHA to be Butternut Hybrids
- Table 3: Summary of Assessment Results

Table 1: Butternut Trees Assessed

Tree #	UTM coordinates	Category ¹ (1, 2, or 3 ²)	dbh ³ (cm)	Cultivated? (Y/N)	Proposed to be: (enter one: unknown, killed, harmd or taken)	If tree is proposed to be killed, harmed, or taken, indicate reason tree is proposed to be killed, harmed or taken:
01	Zone 18N Easting 445237, Northing 5027532	1	23	N	Killed	The tree is a safety hazard for residents and may be further impacted by

¹ The extent to which the tree is affected by Butternut Canker is presented in the Excel document titled, "BHA Tree Analysis" that accompanies this BHA Report.

² Category 3 trees are not eligible to be killed, harmed or taken under section 23.7 of Ontario Regulation 242/08.

³ dbh: diameter at breast height, rounded to nearest cm (if tree is shorter than breast height, enter zero)

⁴ In this column, "unknown" indicates that at the time of assessment, there are no proposals to kill, harm or take this tree that are known to the BHA.

Tree #	UTM coordinates	Category ¹ (1, 2, or 3 ²)	dbh ³ (cm)	Cultivated? (Y/N)	Proposed to be: (enter one: unknown, killed, harmed or taken)	If tree is proposed to be killed, harmed, or taken, indicate reason tree is proposed to be killed, harmed or taken:
						development.

Table 2: Trees Determined by BHA to be Butternut Hybrids

Tree #	UTM coordinates	Method used (genetic testing or field identification):
	N/A	

Table 3: Summary of Assessment Results

Result:	Total #:	Important information for persons planning activities that may affect Butternut:
Category 1	1	<ul style="list-style-type: none"> A Category 1 tree is one that is affected by butternut canker to such an advanced degree that retaining the tree would not support the protection or recovery of butternut in the area in which the tree is located; and is considered "non-retainable". During the 30 day period that follows your submission of this BHA Report to the MNRF District Manager, no Butternut trees (of Category 1, 2, or 3) may be killed, harmed, or taken, and MNRF may contact you for an opportunity to examine the trees. Category 1 trees may be killed, harmed or taken after the 30 day period that follows submission of this BHA Report to the MNRF District Manager, unless the results of an MNRF examination indicate that the assessment has not been conducted in accordance with the document entitled "Butternut Assessment Guidelines: Assessment of Butternut Tree Health for the Purposes of the <i>Endangered Species Act, 2007</i>".
Category 2	0	<ul style="list-style-type: none"> A Category 2 tree is one that is not affected by Butternut Canker, or is affected by Butternut Canker but the degree to which it is affected is not too advanced and retaining the tree could support the protection or recovery of butternut in the area in which the tree is located, and is considered "retainable". During the 30 day period that follows your submission of this BHA Report to the MNRF District Manager, no Butternut trees (of Category 1, 2, or 3) may be killed, harmed, or taken, and MNRF may contact you for an opportunity to examine the trees. Activities that may kill, harm or take up to a maximum of ten (10) Category 2 trees may be

Result:	Total #:	Important information for persons planning activities that may affect Butternut:
		<p>eligible to follow the rules in section 23.7 of Ontario Regulation 242/08, in accordance with the conditions and requirements set out in the regulation.</p> <ul style="list-style-type: none"> Refer to e-Laws for the legal requirements of eligible activities under section 23.7 of Ontario Regulation 242/08 and conditions that must be fulfilled: http://www.e-laws.gov.on.ca/html/regs/english/elaws_regs_080242_e.htm Activities that may kill, harm or take more than ten (10) Category 2 trees are not eligible to follow the rules in section 23.7 of Ontario Regulation 242/08. Contact the local MNRF district office for information on how to seek an ESA authorization (e.g., a permit) or consider an alternative that would be eligible for the regulation.
Category 3	0	<ul style="list-style-type: none"> A Category 3 tree is one that may be useful in determining sources of resistance to Butternut Canker, and is considered "archivable". Category 3 trees are not eligible to be killed, harmed or taken under section 23.7 of Ontario Regulation 242/08. Contact the local MNRF district office for information on how to seek an ESA authorization, or consider an alternative that will avoid killing, harming or taking any Category 3 trees.
Cultivated	0	<ul style="list-style-type: none"> An activity that involves killing, harming, or taking a cultivated Butternut tree that was not required to be planted to fulfill a condition of an ESA permit or a condition of a regulation, may be eligible for the exemption provided by subsection 23.7 (11) of O. Reg. 242/08. Prior to undertaking the activity, the owner or occupier of the land on which the Butternut is located (or person acting on their behalf) will need to determine whether the exemption for cultivated trees is applicable by determining whether or not the tree was cultivated as a result of the requirements for an exemption under O. Reg. 242/08 or a condition of a permit issued under the ESA. This information can be accessed by contacting the local MNRF district office. The owner or occupier of the land on which the Butternut is located (or person acting on their behalf) is encouraged to append the details regarding whether the tree was planted to satisfy a requirement (e.g., the permit number or registration number) to this BHA Report for their records.
Hybrid	0	<ul style="list-style-type: none"> Hybrid Butternut trees are not protected under the ESA, but their removal may be subject to municipal by-laws and other legislation.

Butternut Health Assessor's Comments:

The tree is located in an urban parking lot and is in poor condition. The limbs are a safety hazard to residents using the parking lot and could damage property.

This concludes the summary of the BHA Report. A complete BHA Report must also include:

1. All original (hard copy) data forms (i.e., all completed sets of Form 1 and Form 2), and
2. Electronic and printed copies of the Excel data analysis spreadsheet.

BHA Tree Analysis (version: December 2013)

This table is to be completed by a designated Butternut Health Assessor (BHA).

BHA Report #	2	Assessment Date(s)	07-Jun-17				Total # Butternut Trees in BHA Report	1												
BHA ID #	515	BHA Name	Louise Thomassin																	
Landowner / Client Name		Centretown Affordable Housing Development Corporation Ottawa (cahdco)																		
Property Location		567 Cambridge Street South, Ottawa ON K1S 4J5																		
input field data										automatic calculations from field data						Categories: 1: non-retainable, 2: retainable, 3: archivable				
Tree #	Live Crown %	Tree dbh (cm)	# bole cankers				# root flare (RF) cankers		<40 m from cankered tree? (Y or N)	Circ. (cm) = Pi x dbh	total bole canker width (sooty x 2.5 + open x 5)	total RF canker width (sooty x 2.5 + open x 5)	bole canker % of circ.	RF canker % of circ.	total bole & root canker % of 2xCirc	LC% >= 50 & BC% = 0	LC% >70 & BRC% <20	LC% >70 & BC% <20	Preliminary tree call	FINAL TREE CALL a Cat 2, dbh>20cm <40m from a Cat 1
			sooty (S) (will be assigned 2.5 cm per canker)		open (O) (will be assigned 5 cm per canker)		RF S	RF O												
			S <2 m	S >2 m	O <2 m	O >2 m														
1	20	23	2	0	2	0	0	0	N	72.22	15.0	0.0	20.8	0.0	10.4	1	1	1	1	1

Surveyor ID or BHA # **0515**

(PLEASE USE BLOCK LETTERS)

Date (dd/mm/yyyy) **07-06-2017**

Shaded fields are mandatory for Butternut Health Assessments

Surveyor Contact
 First **LOUISE** Last **THOMASSIN**
 Email **THOMASSIN.LOUISE@YAHOO.COM**
 Telephone **(514) 588-7798** Telephone Other **(613) 233-8579** x

Property Owner
 First Last
 or Company **CENTRETOWN AFFORDABLE HOUSING**
 Email
 Telephone **(613) 695-6922** Telephone Other x

Property Owner's Mailing address
 Address **415 GILMOUR ST SUITE 200** Postal Code **K2P2M8** Prov. **ON**
 City **OTTAWA**

Tree Location (if different from mailing address)
 Address/(911#) **567 CAMBRIDGE STREET SOUTH**
 Township Lot **32** Con
 City **OTTAWA**

Directions

- Yes No Can Share Location Information with other Butternut Recovery Organizations?
- Yes No Site visits OK? (prior arrangements will always be made for a site visit)

Butternut Trees Tally by Diameter Class
 (Do a dot tally in blank space; write total# in box for each)

Tree Condition	< 3 cm	3-15 cm	16-30cm	>30 cm
Vigorous: > 50% Live Crown Minor or no cankers				
Poor Vigor: <50% Live Crown or >50% Live Crown + heavily cankered stem			01	
Dead				

- Overall Property Description (area(s) containing Butternut)**
- Rolling Upland Bottomland
 - Valley Slope Variable
 - Tableland Unknown

- Vegetation Community/ies**
- Open Fencerow
 - Shrubland Roadside
 - DeciduousForest Quarry
 - ConiferForest UrbanYard
 - MixedForest UrbanPark

Other

- Soil Drainage**
- Well Drained
 - Moderately Drained
 - Poorly Drained
 - Unknown
- Soil Depth**
- > 1metre
 - 30 - 99cm
 - < 30cm
 - Variable
 - Unknown

- Soil Texture**
- Clay Sand
 - Clay Loam Variable
 - Loam Unknown
 - Loamy Sand

Historically, do some trees produce seeds? Y N Unknown

Estimated area containing butternut for properties > 1 acre (0.4 hectares): Acres Hectares

Large empty box for notes or additional information.

Please enter matching numerical page link code on forms 1 and 2

Page Link **445237**

(Contact information follows all applicable privacy policies and guidelines)

Please return forms to:
 Forest Gene Conservation Association
 Suite 233, 268 Charlotte St.
 Peterborough, ON, K9J 2V4
 www.fgca.net

49731

Butternut Data Collection FORM 2 (2010 Edition)

(PLEASE USE BLOCK LETTERS)

Fill when Form 1 indicates canker is well established. The information on Form 2 must be filled out for all trees when doing a Butternut Health Assessment

Shaded fields are mandatory for Butternut Health Assessments

Site Code(A,B,...Z, AA...) **00A** Surveyor ID or BHA # **0515**

Date (dd/mm/yyyy) **07-06-2017**

Surveyor Last Name **THOMASSIN**

Tree ID Numbering: 1,2,3,... Starting from 1 for each site

Tree # **001** Zone **1** Easting **184452375** Northing **027532**

Crown Class Live Crown % **20** Main Stem Length(m) Below crown **05** Seed Signs
 Twig Dieback Branch Dieback Defoliation Discolouration **023** DBH(cm)
 Butternut Origin Natural Planted Unknown
 Male Flowers Female Flowers Seed Set None

Assess below live crown
 #Epic-Live #Epic-Dead
 Bark Type **S**
 # Callused Wounds **00**
 #Open #Sooty
 Root = <2m **00 00**
 >2m **00 00**

Metres from badly cankered tree < 40 > 40 None Found
 Competing Species

Tree # Zone **1** Easting Northing

Crown Class Live Crown % Main Stem Length(m) Below crown Seed Signs
 Twig Dieback Branch Dieback Defoliation Discolouration DBH(cm)
 Butternut Origin Natural Planted Unknown
 Male Flowers Female Flowers Seed Set None

Assess below live crown
 #Epic-Live #Epic-Dead
 Bark Type
 # Callused Wounds
 #Open #Sooty
 Root = <2m
 >2m

Metres from badly cankered tree < 40 > 40 None Found
 Competing Species

Tree # Zone **1** Easting Northing

Crown Class Live Crown % Main Stem Length(m) Below crown Seed Signs
 Twig Dieback Branch Dieback Defoliation Discolouration DBH(cm)
 Butternut Origin Natural Planted Unknown
 Male Flowers Female Flowers Seed Set None

Assess below live crown
 #Epic-Live #Epic-Dead
 Bark Type
 # Callused Wounds
 #Open #Sooty
 Root = <2m
 >2m

Metres from badly cankered tree < 40 > 40 None Found
 Competing Species

Tree # Zone **1** Easting Northing

Crown Class Live Crown % Main Stem Length(m) Below crown Seed Signs
 Twig Dieback Branch Dieback Defoliation Discolouration DBH(cm)
 Butternut Origin Natural Planted Unknown
 Male Flowers Female Flowers Seed Set None

Assess below live crown
 #Epic-Live #Epic-Dead
 Bark Type
 # Callused Wounds
 #Open #Sooty
 Root = <2m
 >2m

Metres from badly cankered tree < 40 > 40 None Found
 Competing Species

Tree # Zone **1** Easting Northing

Crown Class Live Crown % Main Stem Length(m) Below crown Seed Signs
 Twig Dieback Branch Dieback Defoliation Discolouration DBH(cm)
 Butternut Origin Natural Planted Unknown
 Male Flowers Female Flowers Seed Set None

Assess below live crown
 #Epic-Live #Epic-Dead
 Bark Type
 # Callused Wounds
 #Open #Sooty
 Root = <2m
 >2m

Metres from badly cankered tree < 40 > 40 None Found
 Competing Species

Please enter matching page link code on forms 1 and 2

Page Link **495237**

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