

Instructions to Butternut Health Experts (BHEs):

Please enter the 6-character BHE Report number: MCK251 _____

BHE Report numbering format:

BHE Report numbers are to be assigned by the BHE using the first 3 letters of BHE's last name, followed by BHE's own 3-digit report numbering system. If the BHE's last name has fewer than 3 letters, use the full last name and numbers for the remaining characters.

Cover letter to client:

Insert your cover letter to your client here and include the below list of enclosures.

Minto Communities
180 Kent Street, Suite 200
Ottawa, Ontario
K1P 0P6

Attn: Kevin Harper - Director, Infill Development

Re: Butternut Health Expert's Report - Barrhaven Town Centre Phase 2

Working on behalf of Minto Communities, McKinley Environmental Solutions prepared this Butternut Health Expert's (BHE) Report for the Barrhaven Town Centre Phase 2 development, which is located at 3265 Jockvale Road, Ottawa (Ontario) (the Site). The Site is approximately 10.3 hectares in size and is currently vacant. The Site will be developed in the future to accommodate a residential subdivision.

As described in greater detail below, the BHE Report documented the presence of one Category 1 (non-retainable) Butternut Tree. Category 1 Butternut Trees can be removed 30 days after the BHE Report has been received by the Ministry of Environment Conservation and Parks (MECP). Per the rules and regulations of the Ontario Endangered Species Act (ESA), the removal of Category 1 Butternut Trees does not require an authorization under the Ontario ESA and/or Butternut compensation.

The BHE Report also documented the presence of four Category 2 (retainable) Butternut Trees. The rules and regulations of the Ontario ESA require Minto Communities to obtain an authorization under the Ontario ESA prior to undertaking any activities that may harm and/or remove the Category 2 Butternut Trees. An authorization under the Ontario ESA can be obtained by completing the Ontario ESA Online Impact Registration Process. The Ontario ESA Online Impact Registration Process can be completed 30 days after the BHE Report has been received by the MECP.

No Category 3 (archiveable) Butternut Trees were found within the Site.

Please do not hesitate to contact the undersigned if you have any questions or comments.

Sincerely,

Dr. Andrew McKinley, EP, RP Bio.
Senior Biologist, McKinley Environmental Solutions

Enclosures:

1. Information from the Ministry of the Environment, Conservation and Parks about Butternut and the *Endangered Species Act, 2007*
2. Butternut Health Expert's Report, including the completed Butternut Data Collection Form

Species at Risk Branch
40 St. Clair Avenue West
14th Floor
Toronto ON M4V 1M2

Direction des espèces en péril
40, avenue St. Clair Ouest
14^e étage
Toronto ON M4V 1M2

Information for the Property Owner (or person(s) who requested the enclosed Butternut Health Expert's Report):

The enclosed Butternut Health Expert's Report (BHE Report) documents the results of the Butternut health assessment that was conducted by the Butternut Health Expert (BHE) 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 impacted by a proposed activity that are not identified in the enclosed BHE Report, they too must be assessed by a BHE before commencing any actions that may impact those Butternut trees or their habitat.

Butternut (*Juglans cinerea*) is listed as an endangered species in Schedule 2 of Ontario Regulation (O. Reg.) 230/08 "the Species at Risk in Ontario List". As an endangered species, the *Endangered Species Act, 2007* (ESA) prohibits adversely impacting Butternut and its habitat. A permit or agreement under the ESA is required before engaging in an activity that is otherwise prohibited under the ESA. The activity may be eligible for the Butternut conditional exemption in Part V of O. Reg. 830/21, provided the requirements of the regulation are met.

If the proposed activity is eligible for the conditional exemption in Part V of O. Reg. 830/21, the next step is to submit the BHE Report and the Butternut Data Collection Form enclosed in this package to the Ministry of the Environment, Conservation and Parks (MECP).

If the enclosed BHE Report does not identify which Butternut tree(s) are proposed to be killed, harmed or taken and the reasons for doing so (e.g., if "unknown" is indicated in Table 1) or if the information in the last two columns of Table 1 has changed since the date this BHE Report was produced, **do not edit the BHE Report to update this information**. Instead, the report must be submitted together with 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 BHE Report to MECP.

The BHE Report must be submitted to MECP at least 30 days before registering an activity in respect of the Butternut conditional exemption. MECP may need to examine the Butternut trees subject to the report during this 30-day period. **Adversely impacting Butternut trees during this 30-day period or before registration is completed is prohibited by the ESA**. Further, the conditional exemption for Butternut does not apply unless the requirements of Part V of O. Reg. 830/21 are being followed.

If the proposed activity is eligible for the Butternut conditional exemption, you may register the proposed activity using the “**Notice of Butternut Impact**” form after the 30-day period has elapsed.

If the proposed activity is not eligible for a regulatory exemption, please contact MECP to determine whether the proposed activity would require a permit or agreement under the ESA in order to proceed.

Please retain this information and a copy of the BHE Report for your records, along with any other documentation you may receive from MECP should an examination of the trees occur.

This information should not be relied upon to determine legal obligations. To determine your legal obligations, consult the *Endangered Species Act, 2007* and the relevant regulations made thereunder. These may be found at www.ontario.ca/laws. If legal advice is required, consult a legal professional. In the event of an error on this template or a conflict between this template and any applicable law, the law prevails.

If you have any questions, please contact MECP at SAROntario@ontario.ca.

Butternut Health Expert's Report (BHE Report)

BHE Report Number: MCK251

Butternut Health Expert Contact Information**Name of Butternut Health Expert**

Last Name McKinley	First Name Andrew
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Mailing Address

Unit Number	Street Number 304	Street Name Berrigan Drive	PO Box
City/Town Ottawa	Province Ontario		Postal Code K2J 5B5
Telephone Number 613-620-2255	Email Address mckinleyenvironmental@gmail.com		

Summary of qualifications as a Butternut Health Expert

a) expertise in relation to butternut

Dr. McKinley is the principal consultant and owner of McKinley Environmental Solutions. He completed the Ontario Ministry of Natural Resources and Forestry Butternut Health Assessor's Certification Course in both 2015 and 2019. Since 2015, he has worked on behalf of clients throughout Ontario to complete more than fifty Butternut Health Expert's Reports, Endangered Species Act Online Impact Registrations to authorize impacts to Butternut Trees, and applications for Overall Benefit Permits related to Butternut Trees. He has also completed hundreds of Tree Conservation Reports and Environmental Impact Studies. Dr. McKinley holds a PhD in Biological Science, he is a Certified Environmental Professional in four disciplines, and he is a Registered Professional Biologist (RP Bio).

b) expertise, education, training and experience necessary to assess the health of butternut trees
See above.**Property Owner Contact Information****Name of Property Owner (or representative)**

Last Name Harper	First Name Kevin
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Mailing Address

Unit Number 200	Street Number 180	Street Name Kent Street	PO Box
Lot Number	Concession	Township	Rural Route
City/Town Ottawa	Province Ontario		Postal Code K1P 0B6
Telephone Number 613-404-4235	Email Address KHarper@minto.com		

Site Location

Unit Number	Street Number 3265	Street Name Jockvale Road	PO Box
Lot Number	Concession	Township	Rural Route
City/Town Ottawa	Province Ontario		Postal Code

Additional Site Location Information

The Site is located at the municipal address 3265 Jockvale Road, Ottawa, Ontario.

Date(s) of Butternut health assessmentStart Date (yyyy/mm/dd) 2025/05/15End Date (yyyy/mm/dd) 2025/05/15Date BHE Report prepared (yyyy/mm/dd) 2025/05/15Map datum used: NAD83 WGS84Total number of trees assessed in this BHE Report 5

The assessed trees were numbered on site using White flagging tape.

The numbers at the site correspond to the tree identification numbers referenced in this report.

This BHE Report includes the following tables:

- Table 1: Butternut trees assessed by the BHE
- Table 2: Trees determined by the BHE to be Butternut hybrids
- Table 3: Summary of Butternut health assessment results

Table 1: Butternut trees assessed by the BHE

Tree ID #	UTM coordinates	Accuracy (+/-)	Category ¹ (1, 2 or 3)	Tree stem diameter ² (cm)	Is tree stem shorter than 1.37 m? (Yes/No)	Cultivated? (Yes/No)	Proposed to be: (killed, harmed, taken, or unknown ³)	If tree is proposed to be killed, harmed or taken, indicate reason tree is to be killed, harmed or taken, if known
12	E0441900 N5012772	1 m	1	6	No	No	unknown	
14	E0441891 N5012767	1 m	2	14	No	No	unknown	
15	E0441891 N5012766	1 m	2	11	No	No	unknown	
16	E0441883 N5012754	1 m	2	14	No	No	unknown	
18	E0441900 N5012774	1 m	2	13	No	No	unknown	

¹ Details regarding the extent to which the tree is affected by Butternut Canker is presented in the Butternut Data Collection Form that accompanies this BHE Report.

² Diameter of the tree stem rounded to nearest cm, measured in accordance with the Butternut Assessment Guidelines: Assessment of Butternut Tree Health for the Purposes of the *Endangered Species Act, 2007*

³ In this column, "unknown" indicates that at the time of assessment and reporting, there are no proposals to kill, harm or take this tree that are known to the BHE.

Table 2: Trees determined by the BHE to be Butternut hybrids

Tree ID #	UTM coordinates	Method used (genetic testing or field identification)	Additional Comments on Method Used

Table 3: Summary of Butternut health assessment results

Result	Total number of trees in this category	Information for persons planning activities that may impact Butternut
Category 1	1	<ul style="list-style-type: none"> Category 1 Butternut tree — the Butternut tree is affected by Butternut Canker to such an advanced degree that retaining the tree would not support the protection or recovery of Butternut trees in the area in which the tree is located.
		<ul style="list-style-type: none"> If the proposed activity will kill, harm or take one or more Butternut trees of any category (including Category 1), the BHE Report must be submitted to MECP at SARontario@ontario.ca.
Category 2	4	<ul style="list-style-type: none"> Category 2 Butternut tree — the Butternut tree is not affected by Butternut Canker or the Butternut tree is affected by Butternut Canker but the degree to which it is affected is not as advanced as a Category 1 Butternut tree and retaining the tree could support the protection or recovery of Butternut trees in the area in which the tree is located.
		<ul style="list-style-type: none"> Activities that may kill, harm or take up to a maximum of fifteen (15) Category 2 trees may be eligible for the conditional exemption in Part V of Ontario Regulation 830/21. Refer to the regulation for eligibility conditions and requirements that must be fulfilled.
		<ul style="list-style-type: none"> If the proposed activity will kill, harm or take more than fifteen (15) Category 2 trees, contact MECP for information on how to seek an ESA authorization (e.g., a permit).
Category 3	0	<ul style="list-style-type: none"> Category 3 Butternut tree — the Butternut tree may be useful in determining sources of resistance to Butternut Canker.
		<ul style="list-style-type: none"> Activities that may kill, harm or take up to a maximum of five (5) Category 3 trees may be eligible for the conditional exemption in Part V of Ontario Regulation 830/21. Refer to the regulation for eligibility conditions and requirements that must be fulfilled.
		<ul style="list-style-type: none"> If the proposed activity will kill, harm or take more than five (5) Category 3 trees, contact MECP for information on how to seek an ESA authorization (e.g., a permit).

Result	Total number of trees in this category	Information for persons planning activities that may impact Butternut
Cultivated	0	<ul style="list-style-type: none"> An activity that will kill, harm or take a cultivated Butternut tree that was required to be planted to fulfil a condition of an ESA permit or agreement, or a conditional exemption, is not eligible for the exemption for cultivated trees that is provided by subsection 25 (5) of O. Reg. 830/21. Refer to the regulation for eligibility conditions.
Hybrid	0	<ul style="list-style-type: none"> Hybrid Butternut trees are not protected under the ESA but impacts to these trees may be subject to local municipal by-laws and other legislation.

Additional Information on Cultivated Tree Determination

No evidence of tree cultivation - the Butternut Trees are assumed to be naturally occurring.

Please note:

- A BHE Report that is submitted to MECP must include the completed Butternut Data Collection Form. As appropriate, please also ensure additional relevant documentation to support the assessment (e.g., completed Data Sheets for Field Identification of Butternut Hybrids, evidence that the Butternut was cultivated) and all relevant maps and photographs are provided.
- During the 30-day period that follows the submission of this BHE Report to MECP, no Butternut trees (of any category) may be killed, harmed or taken. MECP may need to examine the Butternut trees subject to the report during this 30-day period.

Butternut Health Expert's Comments

Note: The Butternut Trees within the Site were originally assessed in 2021 (Refer to BHA Report #002-008-21). The removal of several of the Butternut Trees was previously authorized through the Ontario Endangered Species Act (ESA) Online Impact Registration Process (Confirmation #M-103-8427821390). The purpose of this Butternut Health Expert's Report is to re-assess the Category 2 (Retainable) Trees that have not previously been addressed through the Ontario ESA Online Impact Registration Process.

Butternut (*Juglans cinerea*) is listed as an endangered species in Schedule 2 of Ontario Regulation 230/08 “the Species at Risk in Ontario List”. As an endangered species, the *Endangered Species Act, 2007* (ESA) prohibits adversely impacting Butternut and its habitat. A permit or agreement under the ESA is required before engaging in an activity that is otherwise prohibited under the ESA. The activity may be eligible for the Butternut conditional exemption in Part V of Ontario Regulation 830/21, provided the requirements of the regulation are met. For more information please refer to the following links:

[Endangered Species Act, 2007](#)

[Ontario Regulation 830/21 \(Exemptions – Barn Swallow, Bobolink, Eastern Meadowlark and Butternut\)](#)

[Ontario Regulation 230/08 \(Species at Risk in Ontario List\)](#)

[Ontario Regulation 242/08 \(General Regulation\)](#)

[Information about ESA permits and authorizations](#)

[Butternut Assessment Guidelines: Assessment of Butternut Tree Health for the Purposes of the *Endangered Species Act, 2007*](#)

A Butternut Health Expert’s Report (BHE Report) completed by a “Butternut Health Expert” (BHE) as defined in section 21 of Ontario Regulation 830/21 is typically required as part of an application to the Ministry of the Environment, Conservation and Parks (MECP) for a permit or agreement under the ESA and is required in respect of the conditions of the Butternut conditional exemption in Part V of O. Reg. 830/21. **This Butternut Data Collection Form must be completed by the BHE and included in their BHE Report.**

This form should not be relied upon to determine your legal obligations. To determine your legal obligations, consult the *Endangered Species Act, 2007* and the relevant regulations made thereunder. These may be found at www.ontario.ca/laws. If legal advice is required, consult a legal professional. In the event of an error on this form or a conflict between this form and any applicable law, the law prevails.

Notice of Collection and Use

Personal information on this form is collected under the authority of Section 53 of the ESA and section 38 of the *Freedom of Information and Protection of Privacy Act*. Forms that have been submitted to MECP may be used by MECP staff to contact the property owner (or person acting on their behalf) to request permission to access the assessed trees for the purpose of examining the trees or to contact the BHE who prepared the BHE Report. Questions about the use of your personal information should be directed to the Administrative Assistant in the Species at Risk Branch, Ministry of the Environment, Conservation and Parks, 300 Water Street, Peterborough Ontario, K9J 3C7 at SARregistry@ontario.ca or 705-313-0942.

Fields marked with an asterisk (*) are mandatory.

Butternut Health Expert’s Report Number* MCK251	Start Date of Butternut Health Assessment (yyyy/mm/dd)* 2025/05/15	End Date of Butternut Health Assessment (yyyy/mm/dd)* 2025/05/15
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Butternut Health Expert (BHE) Contact Information

Last Name* McKinley	First Name* Andrew
Telephone Number* 613-620-2255	Alternate Telephone Number
	Email Address* mckinleyenvironmental@gmail.com

Summary of Qualifications as a Butternut Health Expert*

Dr. McKinley is the principal consultant and owner of McKinley Environmental Solutions. He completed the Ontario Ministry of Natural Resources and Forestry Butternut Health Assessor's Certification Course in both 2015 and 2019. Since 2015, he has worked on behalf of clients throughout Ontario to complete more than fifty Butternut Health Expert's Reports, Endangered Species Act Online Impact Registrations to authorize impacts to Butternut Trees, and applications for Overall Benefit Permits related to Butternut Trees. He has also completed hundreds of Tree Conservation Reports and Environmental Impact Studies. Dr. McKinley holds a PhD in Biological Science, he is a Certified Environmental Professional in four disciplines, and he is a Registered Professional Biologist (RP Bio).

Property Owner Contact Information

Last Name*	Harper	First Name*	Kevin
Company Name	Minto Communities		

Mailing Address*

Unit Number	Street Number	Street Name	PO Box
200	180	Kent Street	
Lot Number	Concession	Township	Rural Route
City/Town	Province	Postal Code	
Ottawa	Ontario	K1P 0B6	
Telephone Number *	Alternate Telephone Number	Email Address	
613-404-4235		KHarper@minto.com	

Butternut Tree(s) Location Information

Address*	<input type="checkbox"/> Select if location of Butternut is the same as the property owner's mailing address		
Unit Number	Street Number	Street Name	PO Box
	3265	Jockvale Road	
Lot Number	Concession	Township	Rural Route
City/Town	Province	Postal Code	
Ottawa	Ontario		

General description of area containing Butternut (select one)

 Natural Rural Urban - Suburban Industry / Resource Extraction Area

Soil drainage (select one)

 Well Drained Moderately Drained Poorly Drained Unknown

Have any of the Butternut at this site produced seeds?

 Yes No Unknown

General Comments

Note: The Butternut Trees within the Site were originally assessed in 2021 (Refer to BHA Report #002-008-21). The removal of several of the Butternut Trees was previously authorized through the Ontario Endangered Species Act (ESA) Online Impact Registration Process (Confirmation #M-103-8427821390). The purpose of this Butternut Health Expert's Report is to re-assess the Category 2 (Retainable) Trees that have not previously been addressed through the Ontario ESA Online Impact Registration Process.

Butternut Tree Data 1

Tree Identification Number* 1 Date of Assessment (yyyy/mm/dd)* _____

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #1 was previously assessed as a Category 1 Tree in BHA Report #002-008-21. As such, Tree #1 has not been re-assessed.

Butternut Tree Data 2

Tree Identification Number* 2 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

The removal of Tree #2 was previously authorized through the Ontario Endangered Species Act Online Impact Registration Process (Confirmation #M-103-8427821390). As such, Tree #2 has not been re-assessed.

Butternut Tree Data 3

Tree Identification Number* 3 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

The removal of Tree #3 was previously authorized through the Ontario Endangered Species Act Online Impact Registration Process (Confirmation #M-103-8427821390). As such, Tree #3 has not been re-assessed.

Butternut Tree Data 4

Tree Identification Number* 4 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #4 was previously assessed as a Category 1 Tree in BHA Report #002-008-21. As such, Tree #4 has not been re-assessed.

Butternut Tree Data 5

Tree Identification Number* **5** Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #5 was previously assessed as a Category 1 Tree in BHA Report #002-008-21. As such, Tree #5 has not been re-assessed.

Butternut Tree Data 6

Tree Identification Number* **6** Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #6 was previously assessed as a Category 1 Tree in BHA Report #002-008-21. As such, Tree #6 has not been re-assessed.

Butternut Tree Data 7

Tree Identification Number* 7 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #7 was previously assessed as a Category 1 Tree in BHA Report #002-008-21. As such, Tree #7 has not been re-assessed.

Butternut Tree Data 8

Tree Identification Number* **8** Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

The removal of Tree #8 was previously authorized through the Ontario Endangered Species Act Online Impact Registration Process (Confirmation #M-103-8427821390). As such, Tree #8 has not been re-assessed.

Butternut Tree Data 9

Tree Identification Number* 9 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

The removal of Tree #9 was previously authorized through the Ontario Endangered Species Act Online Impact Registration Process (Confirmation #M-103-8427821390). As such, Tree #9 has not been re-assessed.

Butternut Tree Data 10Tree Identification Number* **10** Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative HybridIs the stem of this tree shorter than 1.37 m? * Yes NoIs this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None foundCrown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crownSigns of Stress Twig dieback Branch dieback Defoliation DiscolourationSeed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridgesTree Origin Naturally-occurring Planted (cultivated) UnknownIs this tree located in an area that is upland, wetland, or riparian? Upland Wetland RiparianVegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

 Deciduous Coniferous Mixed Climax RegeneratingDoes this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

 Road Trail Utility corridor Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

The removal of Tree #10 was previously authorized through the Ontario Endangered Species Act Online Impact Registration Process (Confirmation #M-103-8427821390). As such, Tree #10 has not been re-assessed.

Butternut Tree Data 11

Tree Identification Number* 11 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #11 was previously assessed as a Category 2 Tree in BHA Report #002-008-21. Tree #11 could not be located during the 2025 assessment, despite extensive surveying. As such, Tree #11 is assumed to have died of natural causes.

Butternut Tree Data 12Tree Identification Number* 12 Date of Assessment (yyyy/mm/dd)* 2025/05/15 Select if Date is same as tree aboveUTM Zone* 18T Northing* 012772 Easting* 441900Is this tree a Butternut tree or a putative hybrid? * Butternut Putative HybridIs the stem of this tree shorter than 1.37 m? * Yes NoIs this a single or multi-stemmed tree? * Single Stem Multiple StemsLive Crown %* 100 Tree Stem Diameter (cm)* 6Number of sooty cankers* At or below 2m (the lower stem) 2 Above 2m 0 At the root (root flares) 2Number of open cankers* At or below 2m (the lower stem) 2 Above 2m 0 At the root (root flares) 0Metres from badly cankered tree* 40 metres or less Greater than 40 metres None foundCrown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crownSigns of Stress Twig dieback Branch dieback Defoliation DiscolourationSeed Signs Mature stamens or pollen Receptive pistils Seed set None UnknownBelow Crown Number of stems 1 Main stem length (m) below crown 2Number of epic-live 0 Number of epic-dead 0 Number of callused wounds 0Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridgesTree Origin Naturally-occurring Planted (cultivated) UnknownIs this tree located in an area that is upland, wetland, or riparian? Upland Wetland RiparianVegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

 Deciduous Coniferous Mixed Climax RegeneratingDoes this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

 Road Trail Utility corridor Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

(Use this space to provide comments about this tree, or to record the file numbers of photos of this tree)

Butternut Tree Data 13

Tree Identification Number* **13** Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #13 was previously assessed as a Category 1 Tree in BHA Report #002-008-21. As such, Tree #13 has not been re-assessed.

Butternut Tree Data 14Tree Identification Number* 14 Date of Assessment (yyyy/mm/dd)* 2025/05/15 Select if Date is same as tree aboveUTM Zone* 18TNorthing* 012767Easting* 441891Is this tree a Butternut tree or a putative hybrid? * Butternut Putative HybridIs the stem of this tree shorter than 1.37 m? * Yes NoIs this a single or multi-stemmed tree? * Single Stem Multiple StemsLive Crown %* 100Tree Stem Diameter (cm)* 14Number of sooty cankers* At or below 2m (the lower stem) 1 Above 2m 0 At the root (root flares) 0Number of open cankers* At or below 2m (the lower stem) 1 Above 2m 0 At the root (root flares) 0Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class

 Dominant, full sun Co-dominant, two sides in the sun Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress

 Twig dieback Branch dieback Defoliation Discolouration

Seed Signs

 Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown

Number of stems 1Main stem length (m) below crown 1Number of epic-live 0Number of epic-dead 0Number of callused wounds 0Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin

 Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian?

 Upland Wetland Riparian

Vegetation Community

 Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

 Deciduous Coniferous Mixed Climax Regenerating

Does this tree occupy edge habitat?

 Yes No

If "Yes", select which edge habitat:

 Road Trail Utility corridor Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species

1. _____

2. _____

3. _____

Comments about this tree

(Use this space to provide comments about this tree, or to record the file numbers of photos of this tree)

Butternut Tree Data 15Tree Identification Number* 15 Date of Assessment (yyyy/mm/dd)* 2025/05/15 Select if Date is same as tree aboveUTM Zone* 18T Northing* 012766 Easting* 441891Is this tree a Butternut tree or a putative hybrid? * Butternut Putative HybridIs the stem of this tree shorter than 1.37 m? * Yes NoIs this a single or multi-stemmed tree? * Single Stem Multiple StemsLive Crown %* 100 Tree Stem Diameter (cm)* 11Number of sooty cankers* At or below 2m (the lower stem) 0 Above 2m 0 At the root (root flares) 0Number of open cankers* At or below 2m (the lower stem) 0 Above 2m 0 At the root (root flares) 0Metres from badly cankered tree* 40 metres or less Greater than 40 metres None foundCrown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crownSigns of Stress Twig dieback Branch dieback Defoliation DiscolourationSeed Signs Mature stamens or pollen Receptive pistils Seed set None UnknownBelow Crown Number of stems 1 Main stem length (m) below crown 1Number of epic-live 0 Number of epic-dead 0 Number of callused wounds 0Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridgesTree Origin Naturally-occurring Planted (cultivated) UnknownIs this tree located in an area that is upland, wetland, or riparian? Upland Wetland RiparianVegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

 Deciduous Coniferous Mixed Climax RegeneratingDoes this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

 Road Trail Utility corridor Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

(Use this space to provide comments about this tree, or to record the file numbers of photos of this tree)

Butternut Tree Data 16Tree Identification Number* 16 Date of Assessment (yyyy/mm/dd)* 2025/05/15 Select if Date is same as tree aboveUTM Zone* 18T Northing* 012754 Easting* 441883Is this tree a Butternut tree or a putative hybrid? * Butternut Putative HybridIs the stem of this tree shorter than 1.37 m? * Yes NoIs this a single or multi-stemmed tree? * Single Stem Multiple StemsLive Crown %* 100 Tree Stem Diameter (cm)* 14Number of sooty cankers* At or below 2m (the lower stem) 0 Above 2m 0 At the root (root flares) 1Number of open cankers* At or below 2m (the lower stem) 1 Above 2m 1 At the root (root flares) 1Metres from badly cankered tree* 40 metres or less Greater than 40 metres None foundCrown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crownSigns of Stress Twig dieback Branch dieback Defoliation DiscolourationSeed Signs Mature stamens or pollen Receptive pistils Seed set None UnknownBelow Crown Number of stems 1 Main stem length (m) below crown 1Number of epic-live 0 Number of epic-dead 0 Number of callused wounds 0Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridgesTree Origin Naturally-occurring Planted (cultivated) UnknownIs this tree located in an area that is upland, wetland, or riparian? Upland Wetland RiparianVegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

 Deciduous Coniferous Mixed Climax RegeneratingDoes this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

 Road Trail Utility corridor Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

(Use this space to provide comments about this tree, or to record the file numbers of photos of this tree)

Butternut Tree Data 17

Tree Identification Number* 17 Date of Assessment (yyyy/mm/dd)* _____ Select if Date is same as tree above

UTM Zone* _____ Northing* _____ Easting* _____

Is this tree a Butternut tree or a putative hybrid? * Butternut Putative Hybrid

Is the stem of this tree shorter than 1.37 m? * Yes No

Is this a single or multi-stemmed tree? * Single Stem Multiple Stems

Live Crown %* _____ Tree Stem Diameter (cm)* _____

Number of sooty cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Number of open cankers* At or below 2m (the lower stem) _____ Above 2m _____ At the root (root flares) _____

Metres from badly cankered tree* 40 metres or less Greater than 40 metres None found

Crown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crown

Signs of Stress Twig dieback Branch dieback Defoliation Discolouration

Seed Signs Mature stamens or pollen Receptive pistils Seed set None Unknown

Below Crown Number of stems _____ Main stem length (m) below crown _____

Number of epic-live _____ Number of epic-dead _____ Number of callused wounds _____

Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridges

Tree Origin Naturally-occurring Planted (cultivated) Unknown

Is this tree located in an area that is upland, wetland, or riparian? Upland Wetland Riparian

Vegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

Deciduous Coniferous Mixed

Climax Regenerating

Does this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

Road Trail Utility corridor

Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

Tree #17 was previously assessed as a Category 2 Tree in BHA Report #002-008-21. Tree #17 could not be located during the 2025 assessment, despite extensive surveying. As such, Tree #17 is assumed to have died of natural causes.

Butternut Tree Data 18Tree Identification Number* 18 Date of Assessment (yyyy/mm/dd)* 2025/05/15 Select if Date is same as tree aboveUTM Zone* 18T Northing* 012774 Easting* 441900Is this tree a Butternut tree or a putative hybrid? * Butternut Putative HybridIs the stem of this tree shorter than 1.37 m? * Yes NoIs this a single or multi-stemmed tree? * Single Stem Multiple StemsLive Crown %* 100 Tree Stem Diameter (cm)* 13Number of sooty cankers* At or below 2m (the lower stem) 0 Above 2m 0 At the root (root flares) 0Number of open cankers* At or below 2m (the lower stem) 0 Above 2m 0 At the root (root flares) 0Metres from badly cankered tree* 40 metres or less Greater than 40 metres None foundCrown Class Dominant, full sun Co-dominant, two sides in the sun
 Intermediate, sun only from above Suppressed, shaded crownSigns of Stress Twig dieback Branch dieback Defoliation DiscolourationSeed Signs Mature stamens or pollen Receptive pistils Seed set None UnknownBelow Crown Number of stems 1 Main stem length (m) below crown 2Number of epic-live 0 Number of epic-dead 0 Number of callused wounds 0Bark type: Deep furrows/Narrow ridges Shallow furrows/Wide ridgesTree Origin Naturally-occurring Planted (cultivated) UnknownIs this tree located in an area that is upland, wetland, or riparian? Upland Wetland RiparianVegetation Community Open Shrub thicket Savannah - Woodland Forest

If Savannah-Woodland or Forest selected, select one option from both groups:

 Deciduous Coniferous Mixed Climax RegeneratingDoes this tree occupy edge habitat? Yes No

If "Yes", select which edge habitat:

 Road Trail Utility corridor Fencerow Forest/woodlot edge Watercourse/waterbody

Competing Species 1. _____ 2. _____ 3. _____

Comments about this tree

(Use this space to provide comments about this tree, or to record the file numbers of photos of this tree)

BHE Report Number MCK251		Start Date of Butternut Health Assessment (yyyy/mm/dd) 2025/05/15		End Date of Butternut Health Assessment (yyyy/mm/dd) 2025/05/15																			
Total Number Butternut Trees in BHE Report 18		Butternut Health Expert's Name McKinley, Andrew		Property Address 3265 Jockvale Road Ottawa Ontario																			
Property Owner/Client Name Harper, Kevin		Property Address 3265 Jockvale Road Ottawa Ontario																					
# Tree	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U		
																						Live Crown %	Tree stem diameter (cm)
1																							
2																							
3																							
4																							
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6																							
7																							
8																							
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10																							
11																							
12	100	6	2	0	2	0	2	0	0	N	18.84	15.0	5.0	79.62	26.54	53.08	1	1	1	1	1	1	
13																							
14	100	14	1	0	1	0	0	0	0	N	43.96	7.5	0.0	17.06	0	8.53	1	2	2	2	2	2	
15	100	11	0	0	0	0	0	0	0	N	34.54	0.0	0.0	0	0	0	2	2	2	2	2	2	
16	100	14	0	0	1	1	1	1	1	N	43.96	10.0	7.5	22.75	17.06	19.91	1	2	1	2	2	2	
17																							
18	100	13	0	0	0	0	0	0	0	N	40.82	0.0	0.0	0	0	0	2	2	2	2	2	2	