

Prepared By:



372 Grey Road 21 West Parcel

Town of the Blue Mountains Tree Inventory and Protection Plan

Project No. 04-010-2021

July 2025



23 Herrell Ave
Barrie, Ontario
L4N 6T5

July 17, 2025

Rhemm Properties, Ltd.
Box 87 Clarksburg, Ontario
N0H 1J0

Attention: John Rodgers

RE: Birks NHC File No. 04-010-2021
Tree Inventory and Protection Plan
372 Grey Rd 21 – West Parcel, Town of the Blue Mountains

Dear Mr. Rodgers,

Thank you for retaining Birks Natural Heritage Consultants, Inc. (Birks NHC) to prepare a Tree Inventory and Protection Plan for the west parcel of the property identified as 372 Grey Road 21 in the Town of the Blue Mountains. We understand that this plan is being requested in support of a development application comprised of an Official Plan Amendment, Zoning By-law Amendment and Plan of Subdivision application.

In preparation of the recommendations outlined herein, Birks NHC staff attended the property in spring 2025 to complete a tree inventory for the proposed development area. This report presents the findings of the inventory, tree protection plan, and a preliminary woodland compensation plan for those tree resources proposed for removal, in accordance with the requirements of the County of Grey and the Town of the Blue Mountains. This report has also been prepared in consideration of the tree removal requirements of the Town of Blue Mountains Municipal Tree By-Law 2010-68.

If you have any questions or concerns regarding this report, please do not hesitate to contact the undersigned.



372 Grey Road 21 – West Parcel
Tree Inventory and Protection Plan

BIRKS NHC 04-010-2021
July 2025

Birks Natural Heritage Consultants Inc.

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Reviewed by:

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Table of Contents

	page
Letter of transmittal.....	i
1 INTRODUCTION	1
2 POLICY OVERVIEW.....	1
2.1 County of Grey	1
2.2 Town of the Blue Mountains	2
3 GENERAL PROPERTY DESCRIPTION	3
4 PROPOSED DEVELOPMENT PLAN	3
5 TREE INVENTORY	4
5.1 Results	5
5.1.1 Forested Areas	5
5.1.2 Open Areas.....	5
6 TREE COMPENSATION AND REPLACEMENT	7
6.1 Tree Preservation and Protection plan.....	7
7 TREE REMOVALS TIMING	9
8 DUMPING POLICIES	9
9 CONCLUSION.....	10
10 REFERENCES	11



Tables

Table 1. Tree Size Representation within Forested Areas and Tree Groupings5

Table 2. Species Representation Within Forested Areas6

Table 3. Species Representation Along Property Limit and Open Grown Areas (Individually
Plotted Trees).....6

Table 4. Forest Compensation Calculations7

Appendices

Appendix A: Terms of Reference



1 INTRODUCTION

Birks Natural Heritage Consultants, Inc. (Birks NHC) was retained by Rhemm Properties, Ltd to undertake the preparation of a Tree Inventory and Protection Plan (TIPP) for the West Parcel of the property identified as 372 Grey Road 21 (the property) in the Town of the Blue Mountains (Town), County of Grey (County).

The West Parcel of the property is triangular-shaped and measures approximately 7.0 hectares (ha). The property contains natural heritage features including components of the Silver Creek Provincially Significant Wetland (PSW) Complex. The property also contains several unsanctioned recreational trails. A mapped watercourse is present along the eastern property limits, which flows north-northwest along the Georgian Trail, eventually crossing the Georgian Trail and flowing north to Georgian Bay. Seasonal drainage features were documented within the property which pass through the north-eastern vegetation communities and across the north-western corner of the property.

Birks NHC completed an Environmental Impact Study (EIS) for the property (Birks NHC, 2023) to assess for potential impacts of the development to the identified natural heritage features and functions. Following submission of the EIS and pre-application review, it was determined by the Town and County that a TIPP would be required in support of a Draft Plan of Subdivision application for the proposed residential development of the property. This report has been prepared to satisfy requirements under the Town's Municipal Tree By-law 2010-68.

2 POLICY OVERVIEW

The following municipal policies are related to the protection of the tree resources of the property at both the County and Town levels, and dictate requirements for compensation and offsetting where tree removals are proposed.

2.1 COUNTY OF GREY

The proposal calls for the removal and alteration of Significant Woodland, as identified within the EIS prepared by Birks NHC (2023, updated 2025). The introduction of Section 7 of the County's Official Plan (2025) states that

The County, local municipalities and/or conservation authorities having jurisdiction within Grey, may choose to develop and use ecological/ecosystem offsetting (also called biodiversity offsetting) policies or procedures for private land development proposals and/or public infrastructure undertakings. Consideration for offsetting may only be applicable where it is consistent with the appropriate legislation, regulations and supporting policies and guidelines



(Provincial Policy Statement, Provincial Plans, Official Plans, Forest Management Plans, Forest Management By-laws, Tree-Cutting By-laws, etc.).

Offsetting must follow the mitigation hierarchy of Avoid, Minimize, Mitigate, then Offset. It should only be applied after a detailed analysis has determined that avoidance, minimization, and mitigation of loss is not possible or feasible. This tool shall not replace or negate the requirements of other legislation applicable to impacts to species or ecosystems at the municipal, regional, provincial, or federal levels. Protection, and ideally restoration and improvements of existing natural systems remains the primary goal of natural heritage systems planning (as per Section 2.1 of the PPS).

Offsetting policies or procedures should target an ecological (net) gain. Where determined to not be feasible, they should ensure no-net-loss and fully replace the same level of lost ecosystem structure and function in proximity to where the loss occurs.

Where other compensation or offsetting programs exist (i.e., tree cutting by-laws that speak to tree replacement planting or funds), efforts shall be made to coordinate the separate processes to limit duplication. All programs of this nature should offer a comprehensive approach to restoring unavoidable losses.

Thus, ecological offsetting is a consideration for this development and the proposed removal of tree specimens within the area influenced by the development footprint.

2.2 TOWN OF THE BLUE MOUNTAINS

Section D8.2 of the Town's Official Plan (2016) states the following regarding the protection of tree canopy within the municipality:

Supporting the protection and enhancement of tree canopies can contribute to improvements to air and water quality, reductions in greenhouse gases, the support of biodiversity, and enhancement of natural features and systems. It is a policy of the Town to:

- a) encourage the planting of native or non-native non-invasive tree species and vegetation that are resilient to climate change and provide high levels of carbon sequestration, particularly through new development and on municipally-owned land;*
- b) implement measures to protect, enhance, and expand the tree canopy, including but not limited to:
 - i) requiring tree planting in areas of extensive surface parking; and,*
 - ii) promoting development that maximizes areas for tree planting.**
- c) consider the establishment of a forest resource stewardship strategy and plan;*
- d) require reimbursement, in the form of new trees or financial compensation, for all healthy trees proposed to be removed in development applications, based on the findings of a Tree Inventory and Preservation Plan; and,*



e) encourage tree planting by local residents and organizations, and educate residents about the benefits of planting trees on their property and the environmental impact of removing trees.

In additional, the Town's Tree Preservation By-law 2010-68 is applicable to the proposed application.

3 GENERAL PROPERTY DESCRIPTION

The property consists of wetlands, woodlands, thickets and several drainages. An unnamed permanent watercourse flows along the east side of the site along the Georgian Trail. No development or site alteration is proposed within the delineated limits of the wetland (Silver Creek Provincially Significant Wetland). After relocation of sanitary sewer services, a 30 m setback has been integrated into the Site Plan for both the wetland and the permanent fish habitat to protect the features from direct and indirect impacts of the residential development. An open space block of land encompasses the setback areas to the wetlands and the permanent watercourse (Figure 3). The open space is proposed to be naturalized with a trail connection to the Georgian Trail. Land uses associated with adjacent lands include woodlands to the east and south along with portions of the Silver Creek PSW. Residential development is present to the north and east of the property.

Several vegetation communities were identified on the property: cultural meadow, deciduous forest and swamp as well as deciduous shrub thicket (Figure 1). Vegetation communities were assessed using the Ecological Land Classification ('ELC') method described by Lee *et al.* (1998) as part of the Birks NHC EIS. Further details regarding the vegetation communities can be found in the November 2023 and July 2025 Birks NHC EIS reports prepared in support of the development application.

4 PROPOSED DEVELOPMENT PLAN

The proposal involves the creation and development of residential lots as part of a Draft Plan of Subdivision. The Draft Plan includes an access road from the adjacent Eden Oaks development that will cross through the property in a general north-west to south-east direction and a mix of single detached and semi-detached homes (Figure 3). An existing intermittent drainage feature (ID1) would be removed, and surface overland flow conveyed along the road to the SWM pond to the west, outleting to the unnamed permanent watercourse along Georgian Trail. Systems for quality control and quantity control prior to outleting will be in place prior to reaching the watercourse. Runoff from the northern lots will be directed towards the open space block and allowed to disperse through infiltration (Figure 3).

Servicing for the proposed development will be through public water and sewer systems, the infrastructure for which is already in place (in regard to water). Relocation of the main sanitary sewer will be required, which will occur between the proposed 30 m setbacks to Silver Creek PSW.



No development or site alteration is proposed within the delineated limits of Silver Creek PSW. After relocation of the sanitary sewer, a 30 m setback has been integrated into the Site Plan for both the PSW and permanent fish habitat to protect the features from direct and indirect impacts of the residential development. Hazard lands designation is present, associated with floodplain and wetland setbacks. Open Space/Park is proposed within the north-western corner of the property, outside of the hazard and wetland land designation. A 3 m wide allocation to Open Space/Park is provided along the length of the western property limit, to allow for the creation of a trail connection between Georgian Trail and The Town of the Blue Mountains Resort area, which will be an undertaking of the Town.

Compensation for the loss of 0.67 ha of woodland habitat, including invasive species management and tree planting, is provided within the retained lands in the northern portion of the property.

5 TREE INVENTORY

Birks NHC undertook a field inventory in the area of the proposed disturbance and extending a minimum of 6 metres (m) from the proposed limits of disturbance, as understood at the time of survey (April 10 and May 13, 2025). The surveyed area was densely forested and random plots (12.0 m diameter) within the forested areas were identified and inventoried to record:

- Species and species abundance;
- Condition of the trees; and,
- The number of trees within each of the plots. The trees were categorized into five different size categories, with minimum diameter at breast height ('DBH') recorded being 10 centimeters (cm). The size categories were assigned as follows:
 - 10 cm -15.9 cm DBH
 - 16 cm -20.9 cm DBH
 - 21 cm -25.9 cm DBH
 - >26 cm DBH

The location of the surveyed plots is provided in Figure 2.

Where individual tree specimens were identified within meadow communities, along the property limits and within the servicing easement, individual trees and/or tree groupings were documented where the following information was recorded:

- Location of the individual trees or groupings, as recorded with handheld GPS (3 m accuracy);
- Diameter of tree at 1.4m (DBH) above ground surface;
- Canopy size;
- Health, including but not limited to structural integrity, percent deadwood, crown vigor, pathogenical concerns, decay and potential for failure;
- Individual trees were assigned a unique identifier utilizing aluminum tags with an etched number.



The location of the inventoried trees and surveyed plots is provided in Figure 1.

The methodology outlined above was confirmed to be acceptable by the County, who will be reviewing this report on behalf of the Town. Confirmation of the accepted Terms of Reference is provided in Appendix A.

5.1 RESULTS

5.1.1 Forested Areas

The tree inventory was conducted on April 10 and May 13, 2025. In total, 24 plots were surveyed, with 373 trees recorded within the plots. In addition, 1 tree grouping was identified; all tree individuals within this small grouping was tallied as well. Trees within the plots and groupings were assigned to size categories based on DBH, with the majority (61%) of the trees being 10 cm – 15 cm DBH in size (Table 1).

Table 1. Tree Size Representation within Forested Areas and Tree Groupings

	DBH (cm)			
	10 – 15.9	16 – 20.9	21 – 25.9	> 26 – 30.9
Number of Trees	226 (61%)	83 (22%)	42 (11%)	22 (6%)

The majority of trees documented within forested communities and tree groupings were American Elm, with the species being present in 88% of the surveyed plots and representing 26% of the total trees inventoried (Table 2). Common Buckthorn (an invasive exotic) was also widely distributed through the property (present in 64% of the plots). Also widely distributed were American Basswood (52% of plots), Balsam Poplar (44%) and White Ash (40%). The remainder of the tree species were found in 32% of the surveyed plots or less, however the species were observed in low numbers, each only representing 12% or less of the trees found on the property, in forested areas. A full list of species observed within each of the survey plots and tree groupings is provided in Figure 1.

5.1.2 Open Areas

Within the open areas of the property, tree specimens were largely represented by White Birch and American Elm (Table 3). The remainder of the trees were primarily deciduous trees, with Balsam Poplar, American Basswood and Manitoba Maple representing the highest species presence. The full inventory and tree location is presented in Figure 1.

Overall, the trees were considered to be in good health, with the exception of Ash trees which were frequently dead and/or dying throughout the inventoried area, a result of Emerald Ash Borer activity.



Table 2. Species Representation Within Forested Areas

Species	Number of Plots Containing the Species	% of Plots and Tree Grouping	Total Number of trees recorded	% trees
Apple (<i>Malus</i> sp.)	8	32%	10	3%
Balsam poplar (<i>Populus balsamifera</i>)	10	44%	69	14%
American Basswood (<i>Tilia americana</i>)	13	52%	37	11%
Black Cherry (<i>Prunus serotina</i>)	3	12%	5	1%
Red Oak (<i>Quercus rubra</i>)	4	16%	8	2%
Common Buckthorn (<i>Rhamnus cathartica</i>)	16	64%	60	17%
Green Ash (<i>Fraxinus pennsylvanica</i>)	6	24%	5	1%
Paper Birch (<i>Betula papyrifera</i>)	2	8%	5	1%
Sugar Maple (<i>Acer saccharum</i>)	3	12%	5	1%
White Ash (<i>Fraxinus americana</i>)	10	40%	19	6%
American Elm (<i>Ulmus americana</i>)	22	88%	100	26%
Crack Willow (<i>Salix fragilis</i>)	3	12%	7	2%
Birch (<i>Betula</i> sp.)	1	4%	2	1%
Trembling Aspen (<i>Populus tremuloides</i>)	7	28%	41	12%
Yellow Birch (<i>Betula alleghaniensis</i>)	1	4%	1	0%
TOTAL	22		374	

Table 3. Species Representation Along Property Limit and Open Grown Areas (Individually Plotted Trees)

Species	Number of Trees	Percentage
Apple (<i>Malus</i> sp.)	3	2.94%
American Elm (<i>Ulmus americana</i>)	24	23.53%
Manitoba Maple (<i>Acer negundo</i>)	8	7.84%
Eastern White Cedar (<i>Thuja occidentalis</i>)	3	2.94%
Balsam Poplar (<i>Populus balsamifera</i>)	14	13.73%
American Basswood (<i>Tilia americana</i>)	7	6.86%
Trembling Aspen (<i>Populus tremuloides</i>)	6	5.88%
White Birch (<i>Betula papyrifera</i>)	31	30.39%
Crack Willow (<i>Salix fragilis</i>)	4	3.92%
Red Oak (<i>Quercus rubra</i>)	2	1.92%
TOTAL	104	100



6 TREE COMPENSATION AND REPLACEMENT

The tree inventory documents the tree resources present on the property, the species composition, the stem density of the forested areas, and the health of the species, all of which are considerations when determining compensation for tree removals.

For this property, there are invasive species (Common Buckthorn), exotic species (apple trees, Manitoba Maple) and failing trees (Green Ash, White Ash) that would not warrant replacement. Thus, our compensation and replacement calculations consider these factors in calculating the number of stems to be replaced. Of the 104 individual trees surveyed, only 91 of the specimens would be suitable for replacement.

Within the wooded areas, the vegetation communities identified for stem compensation include THDM6-2, FODM3-1, and FODM7-2. The areas to be removed, stem density per ELC community and maximum stem compensation is presented in Table 4 below.

Table 4. Forest Compensation Calculations

ELC Community	Area to be Removed (ha)	Stem Density (stems/ha) ¹	Total Stem Compensation
THDM6-2	3	212	637
FODM3-1	0.57	555	316
FODM7-2	0.09	180	16
TOTAL	3.66		969

¹ Density calculations exclude European Buckthorn, Apple sp., White Ash and Green Ash.

6.1 TREE PRESERVATION AND PROTECTION PLAN

Protective barriers prevent physical harm to the trunk, canopy, and root zone of a tree or other vegetation that may result from site alteration, construction, and demolition activities and prevent access to an established protection zone. All areas located outside of the development footprint are considered to comprise this protection zone.

Any activity which could result in injury or destruction of a protected tree or natural feature, or alteration of grade is prohibited within the protected areas including, but not limited to, any of the following examples:

- Demolition, construction, replacement or alteration of permanent or temporary buildings or structures, parking pads, driveways, sidewalks, dog runs, pools, retaining walls, patios, decks, terraces, sheds or raised gardens;
- Installation of large stones or boulders;



- Altering grade by adding or removing soil or fill, excavating, trenching, topsoil or fill scraping, compacting soil or fill, dumping or disturbance of any kind (excluding activities associated with future natural feature compensation initiatives);
- Storage of construction materials, equipment, wood, branches, leaves, soil or fill, construction waste or debris of any sort;
- Application, discharge or disposal of any substance or chemical that may adversely affect the health of a tree (e.g. concrete sluice, gas, oil, paint, pool water or backwash water from a swimming pool);
- Causing or allowing water or discharge, to flow over slopes or through natural areas;
- Access, parking or movement of vehicles, equipment (excluding those associated with future natural feature compensation initiatives);
- Cutting, breaking, tearing, crushing, exposing or stripping tree's roots, trunk and branches;
- Nailing or stapling into a tree, including attachment of fences, electrical wires or signs;
- Stringing of cables or installing lights on trees;
- Oil remediation, removal of contaminated fill; and
- Excavating for directional or micro-tunnelling and boring entering shafts.

The following considerations are pertinent to the protection of the retained trees and vegetation communities:

- Protective fencing surrounding the perimeter of the development is to remain in place until all site works have been completed and the risk of damage is no longer a concern.
- Protective fencing shall be provided in a continuous manner at the edge of the development limit.
- Sediment and erosion controls along the limits of the protection zone are to be installed prior to all construction activities.
- All fencing is to remain in good condition throughout construction and until vegetation is established post-construction.
- Signs are to be mounted on the construction side of the tree protection fencing for the duration of the project to identify the development limits and vegetation protection areas.
- Where the roots of retained trees are exposed within the grade alteration areas, root cuts should be completed quickly and efficiently, completed under the supervision of a qualified professional as per recommendations in Figure 2., attached.
- Root cutting, canopy trimming, limb pruning, tree structure enhancement of retained trees is to be monitored by a Certified Arborist.



7 TREE REMOVALS TIMING

Migratory birds, nests, and eggs are protected by the *Migratory Birds Convention Act*, 1994 and the *Fish and Wildlife Conservation Act*, 1997. Environment Canada outlines dates when activities in any region have potential to impact nests at the Environment Canada Website (<https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds.html>). In addition, tree removal on the property shall consider the active season for bats, in order to ensure that Endangered Bat Species are not incidentally harmed during removals, in accordance with the *Endangered Species Act*, 2007. Therefore, tree removal should occur between November 30 and March 31 of the following year. No tree removals should occur outside that period, unless preceded by inspection by a qualified Ecologist knowledgeable in bat and avian behaviour.

8 DUMPING POLICIES

Section 5 of Ontario Regulation 151/06 under the *Conservation Authority Act*, 1990 states:

“no person shall straighten, change, divert or interfere in any way with the existing channel of a river, creek, stream or watercourse or change or interfere in any way with a wetland.”

Additionally, Section 2 of by-law 99-10 for the Town of Blue Mountains states:

“No person shall place or cause to be placed by any action or inaction litter or debris within the Town of The Blue Mountains.”

Therefore, no dumping of yard waste, garbage or other unwanted debris of any kind shall occur within the retained Significant Woodland or Silver Creek PSW going forward. These materials can pose a significant risk to the ecological integrity and function of these features by introducing various pollutants that can severely impact water quality and the overall health of wildlife and other organisms.

Yard waste, garbage, and unwanted debris should be disposed in a manner that conforms to municipal guidelines and regulations. For information on how to dispose of unwanted debris, please contact the Town of Blue Mountains' Operations Department at 519-599-3131 ext. 276 or visit their website at <https://www.thebluemountains.ca/resident-services/garbage-recycling-waste>.



9 CONCLUSION

This TIPP was prepared in accordance with the Town of the Blue Mountains Municipal Tree By-law and in consultation with the County of Grey. The TIPP aims to identify compensation requirements for tree removals and measures to protect retained specimen. The report includes a summary site description, a tree inventory, and tree protection plan.

Should the plan presented herein be initiated and followed through, it is expected that the potential impacts associated with the tree removal and grade alteration will be offset.

We trust that this restoration plan meets the requirements of local land-use authorities, including the Town of the Blue Mountains and County of Grey.



10 REFERENCES

Birks Natural Heritage Consultants, Inc. (Birks NHC). 2025. Environmental Impact Study Update – 372 Grey Road 21, Town of the Blue Mountains. June 2025

County of Grey. 2025. Recolour Grey County of Grey Official Plan. Adopted by Grey County Council October 25, 2018. Office Consolidation May 6, 2025.

Lee, H.T., W.D. Bakowsky, J. Riley, J. Bowles, M. Puddister, P. Uhlig and S. McMurray. 1998. Ecological Land Classification for Southern Ontario: First Approximation and Its Application.

Town of the Blue Mountains. 2010. Town of the Blue Mountains Official Plan. Tree [Preservation By-Law 2010-68](#)

Town of the Blue Mountains. 2016. Town of the Blue Mountains Official Plan.
<https://www.thebluemountains.ca/planning-building-construction/land-use-planning/official-plan>

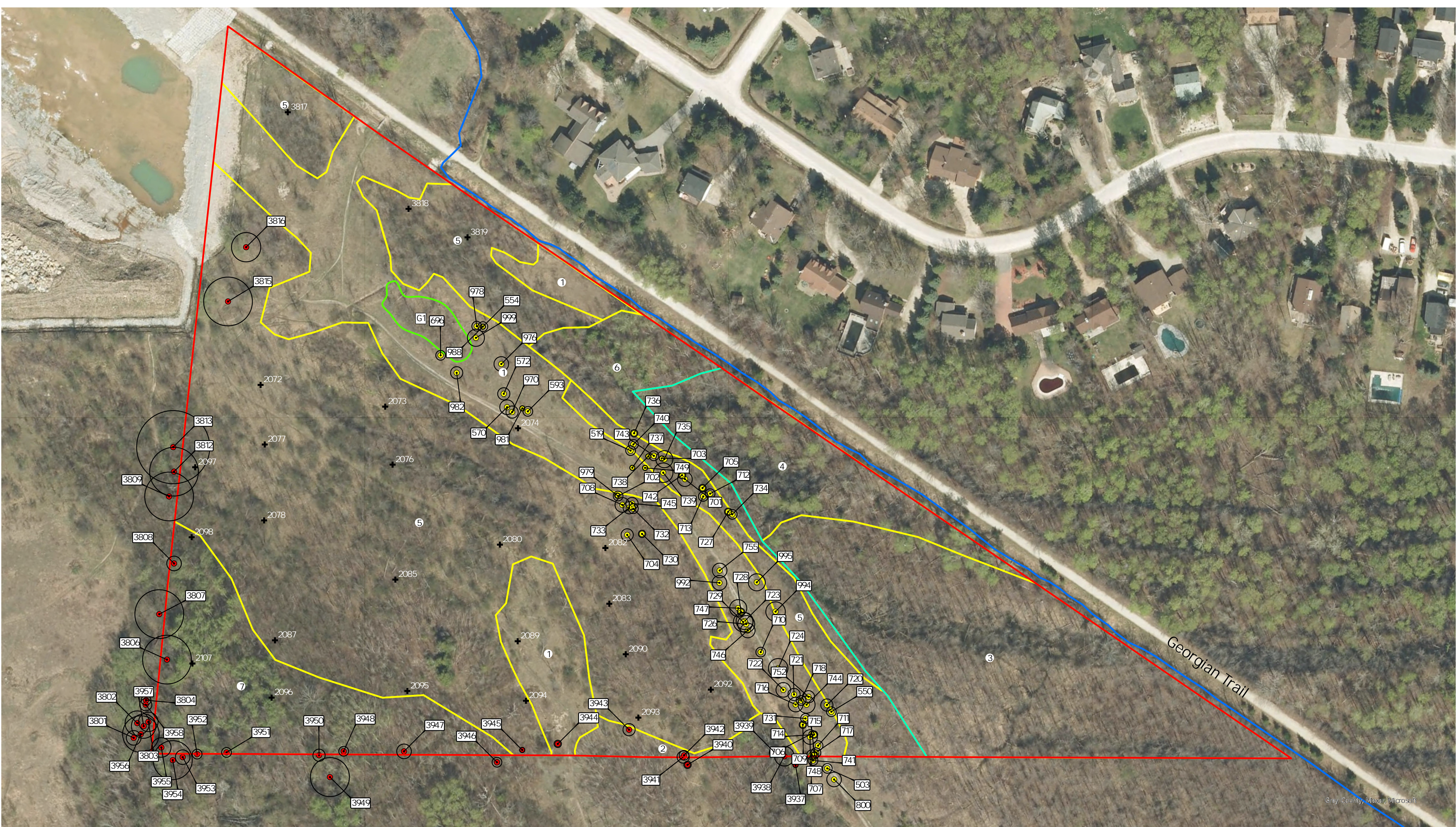


Table 1a. Individual Tree Inventory

Date	Tree Ident # cat on Number	Species	Common Name	Lat n Name	Canopy (diameter in	DBH (cm)	% Live Crown	Notes	Recommendation	Rat onale
2025-05-13	533	White Birch	Betula papyrifera	4	13	100	Good condit on	Retain	Boundary tree - no impacts	
2025-05-13	519	White Birch	Betula papyrifera	4	10	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	550	Trembling Aspen	Populus tremuloides	4	11	100	Good condit on	Retain	No impacts	
2025-04-10	554	American Elm	Ulmus americana	4	15	100	Good condit on	Remove	Within sanitary easement footprint	
2025-04-10	570	American Elm	Ulmus americana	6	13	100	Good condit on	Remove	Within development footprint	
2025-04-10	572	American Elm	Ulmus americana	5	23	100	Good condit on	Remove	Within development footprint	
2025-04-10	593	White Birch	Betula papyrifera	4	13	100	Good condit on	Remove	Within development footprint	
2025-04-10	696	White Birch	Betula papyrifera	4	10.11	100	2 stems, good	Remove	Within development footprint	
2025-05-13	701	White Birch	Betula papyrifera	6	12.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	702	Balsam Poplar	Populus balsamifera	4	13	90	Good condit on	Remove	Within development footprint	
2025-05-13	703	White Birch	Betula papyrifera	2	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	704	Basswood	Tilia americana	5	20.5	100	Good condit on	Remove	Within development footprint	
2025-05-13	705	White Birch	Betula papyrifera	3	11	100	leaning into easement	Remove	Within sanitary easement footprint	
2025-05-13	706	White Birch	Betula papyrifera	2	10.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	707	White Cedar	Thuja occidentalis	4	13, 12, 13	100	3 stems, good condit on	Remove	Within sanitary easement footprint	
2025-05-13	708	Red Oak	Quercus rubra	6	10, 12	100	2 stems, good condit on	Remove	Within development footprint	
2025-05-13	709	White Birch	Betula papyrifera	3	11.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	710	White Birch	Betula papyrifera	4	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	711	White Birch	Betula papyrifera	4	10	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	712	White Birch	Betula papyrifera	4	11.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	713	American Elm	Ulmus americana	4	13.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	714	White Birch	Betula papyrifera	3	18	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	715	White Cedar	Thuja occidentalis	3	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	716	American Elm	Ulmus americana	6	15	60	Poor health	Remove	Within sanitary easement footprint	
2025-05-13	717	White Birch	Betula papyrifera	4	13	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	718	Balsam Poplar	Populus balsamifera	4	11	70	Fair condit on	Remove	Within sanitary easement footprint	
2025-05-13	720	Trembling Aspen	Populus tremuloides	5	12.5	100	Good condit on	Retain	No impacts	
2025-05-13	721	White Birch	Betula papyrifera	5	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	722	White Birch	Betula papyrifera	6	10.5	70	Fair condit on	Remove	Within sanitary easement footprint	
2025-05-13	723	White Birch	Betula papyrifera	7	13	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	724	White Birch	Betula papyrifera	8	16.5, 12.5	100	2 stems, good condit on	Remove	Within sanitary easement footprint	
2025-05-13	726	White Birch	Betula papyrifera	7	14.5, 13, 11	100	3 stems, good condit on	Remove	Within sanitary easement footprint	
2025-05-13	727	American Elm	Ulmus americana	3	12.5	100	Good condit on	Retain	No impacts	
2025-05-13	741	White Birch	Betula papyrifera	3	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	729	White Birch	Betula papyrifera	8	12, 14.5, 11.5	100	3 stems, good condit on	Remove	Within sanitary easement footprint	
2025-05-13	730	American Elm	Ulmus americana	3	13	100	Good condit on	Remove	Within development footprint	
2025-05-13	731	White Birch	Betula papyrifera	4	11.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	732	American Elm	Ulmus americana	4	20	100	Good condit on	Remove	Within development footprint	
2025-05-13	733	Trembling Aspen	Populus tremuloides	5	14	100	Good condit on	Remove	Within development footprint	
2025-05-13	734	Crack Willow	Salix fragilis	4	12.5	100	Good condit on	Retain	No impacts	
2025-05-13	735	Manitoba Maple	Acer negundo	7	14	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	736	White Birch	Betula papyrifera	3	12	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	737	White Birch	Betula papyrifera	2	10	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	738	White Birch	Betula papyrifera	2	12	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	739	Apple	Malus sp.	8	11.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	740	American Elm	Ulmus americana	4	16	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	741	White Birch	Betula papyrifera	4	14.5	100	Good condit on	Retain	Boundary tree - no impacts	
2025-05-13	742	White Birch	Betula papyrifera	3	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	743	White Birch	Betula papyrifera	4	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	744	White Birch	Betula papyrifera	7	15.16	100	2 stems, good condit on	Remove	Impact to root zone - sanitary easement	
2025-05-13	745	Trembling Aspen	Populus tremuloides	5	22.5	100	Good condit on	Remove	Within development footprint	
2025-05-13	746	American Elm	Ulmus americana	6	14.5	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	747	Balsam Poplar	Populus balsamifera	7	15	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	748	White Cedar	Thuja occidentalis	6	10, 14.5	100	2 stems, good condit on	Remove	Within sanitary easement footprint	
2025-05-13	749	White Birch	Betula papyrifera	2	11	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	752	Manitoba Maple	Acer negundo	5	13	90	Good condit on	Remove	Species known to deteriorate quickly	
2025-05-13	755	American Elm	Ulmus americana	6	15	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	800	White Birch	Betula papyrifera	6	12, 14	100	2 stems, good condit on	Retain	Boundary tree - no impacts	
2025-04-10	970	American Elm	Ulmus americana	5	17	100	Good condit on	Remove	Within development footprint	
2025-04-10	976	American Elm	Ulmus americana	6	22	100	Good condit on	Remove	Within development footprint	
2025-05-13	952	Manitoba Maple	Acer negundo	4	15	100	Good condit on	Remove	Within sanitary easement footprint	
2025-04-10	978	American Elm	Ulmus americana	4	15	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	979	Trembling Aspen	Populus tremuloides	2	16	100	Good condit on	Remove	Within development footprint	
2025-04-10	981	White Birch	Betula papyrifera	2	10	100	Good condit on	Remove	Within development footprint	
2025-04-10	982	American Elm	Ulmus americana	5	19	100	Good condit on	Remove	Within development footprint	
2025-04-10	988	American Elm	Ulmus americana	2	10	100	Good condit on	Remove	Within sanitary easement footprint	
2025-05-13	992	Balsam Poplar	Populus balsamifera	6	12.5, 10.5	100	2 stems, good condit on	Remove	Within sanitary easement footprint	
2025-04-10	994	American Elm	Ulmus americana	8	36	100	Good condit on	Retain	No impacts	
2025-05-13	995	American Elm	Ulmus americana	7	21.5	100	Good condit on	Retain	No impacts	
2025-04-10	999	Apple	Malus sp.	7	12	100	Good condit on	Remove	Within development footprint	
2025-04-10	3801	Red Oak	Quercus rubra	6	18	80	Good condit on	Retain	Boundary tree - no impacts	
2025-04-10	3802	American Elm	Ulmus americana	10	32	100	Good condit on	Retain	Boundary tree - no impacts	
2025-04-10	3803	American Elm	Ulmus americana	8	31	100	Good condit on	Retain	Boundary tree - monitor for hazard condit ons due to impact to root zone	
2025-04-10	3804	Manitoba Maple	Acer negundo	4	10	100	Good condit on	Retain	Boundary tree - no impacts	
2025-04-10	3804	Manitoba Maple	Acer negundo	4	18	100	Good condit on	Retain	Boundary tree - no impacts	
2025-04-10	3806	Basswood	Tilia americana	20	35	100	Good condit on	Remove	Within development footprint	
2025-04-10	3807	Basswood	Tilia americana	20	48.42, 33.40	100	4 stems same tree, good condit on	Remove	Boundary tree - remove due to impacts to root zone	
2025-04-10	3808	Basswood	Tilia americana	6	23	90	Fair condit on	Remove	Within development footprint	
2025-04-10	3809	Basswood	Tilia americana	20	43.29, 29.28, 30	90	5 stems same tree - poor health	Remove	Boundary tree - remove due to impacts to root zone	
2025-04-10	3812	Crack Willow	Salix fragilis	20	43	100	Good condit on	Remove	Boundary tree - remove due to impacts to root zone	
2025-04-10	3813	Crack Willow	Salix fragilis	30	40, 36	90	2 stems, good condit on	Remove	Boundary tree - remove due to impacts to root zone	
2025-04-10	3815	Crack Willow	Salix fragilis	20	64	50	Poor health	Remove	Within development footprint	
2025-04-10	3816	American Elm	Ulmus americana	12	51	100	Good condit on	Remove	Within development footprint	
2025-05-13	3937	Trembling Aspen	Populus tremuloides	2	18	100	Good condit on	Retain	Boundary tree - no impacts	
2025-05-13	3938	Basswood	Tilia americana	8	24.5	100	Good condit on	Remove	Within development footprint	
2025-05-13	3939	American Elm	Ulmus americana	4	13	100	Good condit on	Remove	Within development footprint	
2025-05-13	3940	Balsam Poplar	Populus balsamifera	3	11	100	Good condit on	Retain	Boundary tree - no impacts	
2025-05-13	3941	Balsam Poplar	Populus balsamifera	5	18	100	Good condit on	Remove	Within development footprint	
2025-05-13	3942	Balsam Poplar	Populus balsamifera	4	13	70	Fair health	Remove	Within development footprint	
2025-05-13	3943	Balsam Poplar	Populus balsamifera	5	14.5	100	Good condit on	Remove	Within development footprint	
2025-05-13	3944	Basswood	Tilia americana	3	20	100	Good condit on	Remove	Within development footprint	
2025-05-13	3945	Balsam Poplar	Populus balsamifera	2	11	100	Good condit on	Remove	Within development footprint	
2025-05-13	3946	Balsam Poplar	Populus balsamifera	4	17.5	80	Good condit on	Retain	Boundary tree - no impacts	
2025-05-13	3947	Balsam Poplar	Populus balsamifera	6	24.5	100	Good condit on	Remove	Within development footprint	
2025-05-13	3948	Balsam Poplar	Populus balsamifera	4	17	100	Good condit on	Remove	Within development footprint	
2025-05-13	3949	American Elm	Ulmus americana	16	57	100	Good condit on	Retain	Boundary tree - no impacts	
2025-05-13	3950	Apple	Malus sp.	5	11, 15, 16	80	3 stems, fair condit on	Remove	Boundary tree - remove due to impacts to root zone	
2025-05-13	3951	Balsam Poplar	Populus balsamifera	4	28	80	Fair condit on	Remove	Within development footprint	
2025-05-13	3952	Manitoba Maple	Acer negundo	4	21.5	100	Good condit on	Remove	Within development footprint	
2025-05-13	3953	Balsam Poplar	Populus balsamifera	6	36	80	Fair condit on	Remove	Boundary tree - remove due to impacts to root zone	
2025-05-13	3954	Manitoba Maple	Acer negundo	16	42.5	100	Good condit on	Remove	Boundary tree - remove due to impacts to root zone	
2025-05-13	3955	Manitoba Maple	Acer negundo	8	18	100	Fair condit on	Remove	Within development footprint	
2025-05-13	3956	American Elm	Ulmus americana	15	35	100	Fair condit on	Retain	Retain - monitor for hazard condit ons due to impacts to root zone	
2025-05-13	3957	American Elm	Ulmus americana	10	33.5	100	Good condit on	Retain	Retain - monitor for hazard condit ons due to impacts to root zone	
2025-05-13	3958	Manitoba Maple	Acer negundo	5	13	100	Fair condit on	Retain	Boundary tree - no impacts	

Trees have not been marked with aluminum tag

Table 1b. Woodland Plot Data

Locat on	ELC Community	Species		Diameter at Breast Height (DBH) Tally				Total	Notes
		Common Name	Lat n Name	10- 15cm	16- 20cm	21- 25cm	>25		
2092	THDM2-6	Common Apple	Malus	1				1	Trees in fair to good condit on
		Balsam Poplar	Populus balsamifera	2	2	1		5	
		American Elm	Ulmus americana	2	1			3	
		White Ash	Fraxinus americana	5	1	1		7	
		Besswood	Tilia Americana	3	1	1	1	6	
		Trembling Aspen	Populus tremuloides				1	1	
2093	FODM3-1/ FODM7-2	Besswood	Tilia Americana		1	1		2	Many dead white ash
		Trembling Aspen	Populus americana	2				2	
		Balsam Poplar	Populus balsamifera	1	2			3	
		Common Apple	Malus					1	
		White Ash	Fraxinus americana	2				2	
		American Elm	Ulmus americana		1			1	
2090	THDM2-6	American Elm	Ulmus americana	2	2	1		5	Many dead white ash
		Balsam Poplar	Populus balsamifera	1	1			2	
		White Ash	Fraxinus americana					1	
		Common Apple	Malus	1	1			2	
		Yellow Birch	Rhamnus cathartica	2				2	
		Red Oak	Betula alleghaniensis	1				1	
2094	THDM2-6	Besswood	Tilia Americana					1	Trees in fair to good condit on
		Trembling Aspen	Populus tremuloides	1				1	
		Common Apple	Malus	2				2	
		American Elm	Ulmus americana	2	2			4	
		Sugar Maple	Acer saccharum	1				1	
		Besswood	Tilia Americana	1	1			2	
2099	THDM2-6	Red Oak ?	Quercus rubra	2				2	Trees in fair to good condit on
		Balsam Poplar	Populus balsamifera	4				4	
		Common Buckthorn	Rhamnus cathartica	4				4	
		Besswood	Tilia Americana					1	
		White Ash	Fraxinus americana					1	
		Red Oak	Quercus rubra	2				2	
2083	THDM2-6	Besswood	Tilia Americana					1	Trees in fair to good condit on
		American Elm	Ulmus americana	1				1	
		Common Buckthorn	Rhamnus cathartica	1				1	
		Red Oak	Quercus rubra	2	1			3	
		American Elm	Ulmus americana	2			1	3	
		Besswood	Tilia Americana	2			1	3	
2082	THDM2-6	White Ash	Fraxinus americana		1			1	Trees in fair to good condit on
		Red Oak	Quercus rubra	2				2	
		Besswood	Tilia Americana					1	
		American Elm	Ulmus americana		1			1	
		Balsam Poplar	Populus balsamifera	1				1	
		Common Apple	Malus					1	
2080	THDM2-6	Common Buckthorn	Rhamnus cathartica	5	1			6	Trees in fair to good condit on
		Besswood	Tilia Americana				2	2	
		White Ash	Fraxinus americana		1			1	
		Green Ash	Fraxinus pennsylvanica	1				1	
		Crack Willow	Salix fragilis		2	1		3	
		American Elm	Ulmus americana	4	2			6	
2074	THDM2-6	Green Ash	Fraxinus pennsylvanica	1		1		2	Many dead ash
		Common Buckthorn	Rhamnus cathartica	1				1	
		White Birch	Betula papyrifera	1	1			2	
		Sugar Maple	Acer saccharum					1	
		American Elm	Ulmus americana	5				5	
		White Birch	Betula papyrifera	2				2	
2073	THDM2-6	Crack Willow	Salix fragilis				1	1	Trees in fair to good condit on
		Common Buckthorn	Rhamnus cathartica	9				9	
		American Elm	Ulmus americana		1	1		3	
		Besswood	Tilia Americana					1	
		Common Buckthorn	Rhamnus cathartica	10	2			12	
		Balsam Poplar	Populus balsamifera	10	9			20	
2085	THDM2-6	American Elm	Ulmus americana	4	4	2		10	Trees in fair to good condit on
		Balsam Poplar	Populus balsamifera	10	9			20	
		American Elm	Ulmus americana	4	4	2		10	
		Balsam Poplar	Populus balsamifera	10	9			20	
		American Elm	Ulmus americana	4	4	2		10	
		Sugar Maple	Acer saccharum	3				3	
2095	THDM2-6	Trembling Aspen	Populus tremuloides	6	3	2	1	12	Trees in fair to good condit on
		Balsam Poplar	Populus balsamifera	2				2	
		Common Buckthorn	Rhamnus cathartica	4				4	
		Besswood	Rhamnus cathartica	2	1	1		4	
		Green Ash	Fraxinus pennsylvanica	1	1			2	
		American Elm	Ulmus americana				1	1	
2087	THDM2-6	Besswood	Tilia Americana	3			1	4	Trees in fair to good condit on
		American Elm	Ulmus americana	3	3	3		9	
		Balsam Poplar	Populus balsamifera	3	1			4	
		Common Buckthorn	Rhamnus cathartica	1				1	
		White Ash	Fraxinus americana		1			1	
		American Elm	Ulmus americana	4	4	2		10	
2078	THDM2-6	Common Buckthorn	Rhamnus cathartica	5				5	Many dead ash
		American Elm	Ulmus americana	3	2			5	
		White Ash	Fraxinus americana	1				1	
		Common Buckthorn	Rhamnus cathartica	1				1	
		American Elm	Ulmus americana	4				4	
		Balsam Poplar	Populus balsamifera	3				3	
2077	THDM2-6	Common Buckthorn	Rhamnus cathartica	3				3	Trees in fair to good condit on
		American Elm	Ulmus americana		1	1		2	
		Besswood	Tilia Americana	1	3			4	
		Crack Willow	Salix fragilis				3	2	
		Black Cherry	Prunus virginiana	2				2	
		White Ash	Fraxinus americana					1	
2096	FODM3-1	Birch ?	Betula	2				2	Trees in fair to good condit on
		American Elm	Ulmus americana		3	1		4	
		Trembling Aspen	Populus tremuloides	3	1			4	
		Red Oak	Quercus rubra					1	
		Common Apple	Malus			2		2	
		Trembling Aspen	Populus tremuloides	1	1	6	8	15	
2107	FODM3-1	Green Ash	Fraxinus americana	1				1	Trees in fair to good condit on
		American Elm	Ulmus americana	1				1	
		Common Buckthorn	Rhamnus cathartica	2				2	
		Besswood	Tilia Americana				1	1	
		Common Buckthorn	Rhamnus cathartica					1	
		American Elm	Ulmus americana	5				5	
3817	THDM2-6	Trembling Aspen	Populus tremuloides	3		1		3	Many dead ash
		Common Buckthorn	Rhamnus cathartica	3				3	
		White Ash	Fraxinus americana	2				2	
		Common Buckthorn	Rhamnus cathartica	1				1	
		Black Cherry	Prunus serotina	1				1	
		Common Apple	Malus	1				1	
3818	THDM2-6	American Elm	Ulmus americana	5				5	Trees in fair to good condit on
		Trembling Aspen	Populus tremuloides	3				3	
		Common Buckthorn	Rhamnus cathartica	3				3	
		White Ash	Fraxinus americana	2				2	
		Common Buckthorn	Rhamnus cathartica	1				1	
		Black Cherry	Prunus serotina	1				1	
3819	THDM2-6	Common Apple	Malus	1				1	Many dead ash
		American Elm	Ulmus americana	5				5	
		Trembling Aspen	Populus tremuloides	3		1		3	
		Common Buckthorn	Rhamnus cathartica	3				3	
		Black Cherry	Prunus serotina	1		1		2	
		Besswood	Tilia americana	3		3		6	
Tree Grouping 1	MEGM4-1	White Ash	Fraxinus americana	1				1	Trees in fair to good condit on
		American Elm	Ulmus americana	5				5	

APPENDIX A

County of Grey Terms of Reference



From: [Michael Cook](#)
To: [Stephanie Brady](#)
Subject: RE: 372 Grey Road 21, West - TIPP Terms of Reference
Date: March 13, 2025 2:33:09 PM
Attachments: [image002.png](#)

Hi Stephanie,

Any native tree 10 cm at dbh or greater within the significant woodland's designation should be included in the compensation plan.

If you have/provide justification as to why a tree may not be part of a significant woodland, and should not be compensated for, feel free to provide that rational in the plan's notes.

Some CA's have tree planting programs, and they can receive monetary compensation to conduct planting works on the developer behalf. They seem to all operate differently, and I believe GSCA only plants for people if they have lands to plant on.

Hope this helps,

Michael Cook
Planning Ecologist
Grey County



From: Stephanie Brady <sbrady@birksnhc.ca>
Sent: March 13, 2025 2:10 PM
To: Michael Cook <michael.cook@grey.ca>
Subject: RE: 372 Grey Road 21, West - TIPP Terms of Reference

[EXTERNAL EMAIL]

Hi Michael,

Thanks for reviewing the terms of reference on this. To confirm, if there are native trees present, but outside of the significant woodland area (i.e., in a THD community, do those individual trees still require compensation?

We have not specifically worked with any third party organizations, however I wanted to keep this as an option should we find a partnership with an organization that undertakes tree planting in the Town of the Blue Mountains/Grey County. Do you know of any specific programs the CA could benefit from monetary compensation for tree planting?

Thanks!



Stephanie Brady, HBES/Ecologist
Birks Natural Heritage Consultants, Inc.
c. (705)305-9102
w. www.birksnhc.ca
a. 23 Herrell Avenue, Barrie L4N 6T5



From: Michael Cook <michael.cook@grey.ca>
Sent: March 11, 2025 8:56 AM
To: Stephanie Brady <sbrady@birksnhc.ca>
Subject: RE: 372 Grey Road 21, West - TIPP Terms of Reference

Hi Stephanie,

Thanks for the info.

Invasive species (such as buckthorn) do not need to be compensated for. There may be a few native trees in the community that are above 10 cm dbh that should be compensated for.

As for 2 b) – has Birks worked with a 3rd party organization who does tree planting? Usually, the municipality prefers the trees replanted in the same municipality – but they can be somewhat flexible in this requirement. I have sometimes got a CA to work with us, but unsure if you guys work with someone else who could do this on behalf of the developer.

The rest of the ToR is acceptable.

Thank you,

Michael Cook
Planning Ecologist
Grey County

Grey County



From: Stephanie Brady <sbrady@birksnhc.ca>
Sent: March 7, 2025 11:28 AM
To: Michael Cook <michael.cook@grey.ca>
Subject: 372 Grey Road 21, West - TIPP Terms of Reference

[EXTERNAL EMAIL]

Michael Cook, Planning Ecologist, Grey County

Good morning Michael,

Thanks for the call and discussion the other week regarding the Tree Inventory and Preservation Plan (TIPP) as well as the woodland compensation requirements for this project. I will be providing formal responses to the County's comments on the file, however I wanted to clarify the woodland size discrepancies you were noting. The EIS identified an area of 0.66 ha of woodland loss on the property, which is contiguous with a larger significant woodland feature. The 0.66 ha was based on the ELC mapping completed as part of the EIS, which excluded the larger THDM2-6 community (see figure attached; polygons 7 & 2). We will clarify this discrepancy in our response but wanted to provide clarification to you sooner as it will guide the TIPP scope of work and woodland compensation requirements.

As per our discussions, we propose the following Terms of Reference for the TIPP and Woodland Compensation Plan:

1. TIPP:

a. Site Assessment

- Undertake a field inventory to identify/assess all trees [>10 centimeters at breast height (DBH)] within 6 meters (m) of the proposed limit of work. Individual inventory will be limited to open areas of the proposed footprint. The trees will be assessed to define the following:
 - Approximate location using GPS handheld device;
 - Species;
 - Diameter of tree at 1.4m (DBH) above ground surface for all trees greater than 10 cm at DBH;
 - Health, including but not limited to structural integrity, percent deadwood, crown vigor, pathogenical concerns, decay and potential for failure (as conditions allow);
- Within heavily forested areas, the communities will be surveyed utilizing a 12 m radius plots will be identified and surveyed as above, to obtain a representation of the treed communities (woodlands, forests). All trees >10 cm DBH within

the plots will be inventoried.

- Within open areas the individual trees will be assigned a unique identifier and their location as well as canopy will be plotted on aerial photography.

b. One Tree Inventory and Preservation Plan will be completed which will include the following:

- The scope of development, where the proposed extent of alteration (grading, excavation, site alteration, clearing) will be illustrated, including any trees proposed for removal;
- The existing conditions, relevant mapping, and information regarding inventoried specimens as obtained during the field studies;
- Recommendations for preservation of those trees identified for retention;
- Mitigation measures including tree removal restrictions relative to Species at Risk and Migratory Birds;
- Preparation of one digital copy of the TIPP for circulation.

2. Woodland Compensation Plan:

- a. Confirm compensation numbers/area, based on the results of the Tree Inventory data;
- b. Discuss the preferred method to meet the compensation target, including whether the subject property can accommodate any replacement plantings or whether the project team will work with third party organizations;
- c. Discuss the proposed replacement planting stock, which will be suitable to the subject woodland feature; and
- d. Provide mapping illustrating the compensation plan in relation to the woodland area lost.

Please review and provide any comments regarding the proposed scope of work for this study. Don't hesitate to contact me should you have any questions.

Thank you,



Stephanie Brady, HBES/Ecologist
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