



JACKSON ARBORICULTURE INC.

CONSULTING AND GIS ANALYSIS

118 Pleasant Ridge Road, Brantford ON, N3R 0B8

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Tree Inventory and Preservation Plan Report

Subject Property:

5520 & 5552 Eight Line
Erin, ON

Prepared For:

Mattamy (Erin) Developments Inc.
433 Steeles Ave. E., Milton, ON L9T 8Z4
&
2779181 Ontario Inc.
6625 Kitimat Rd, Unit 58, Mississauga, ON L5N 6J1

Prepared By:

Jackson Arboriculture Inc.
118 Pleasant Ridge Rd.
Brantford, ON N3R 0B8

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Jackson Arboriculture Inc. Project No. 244

1.0 Introduction

Jackson Arboriculture Inc. was retained by Mattamy (Erin) Developments Inc. and 2779181 Ontario Inc. to complete a Tree Inventory and Preservation Plan report for a property situated at 5520 and 5552 Eight Line in the Town of Erin, herein referred to as the subject property. It is understood that two development applications will be filed with the Town for the construction of two residential subdivisions.

2.0 Methodology

At the onset of the project the scope of work was coordinated with the client and the consulting team. Prior to conducting a site visit, the topographic survey of the subject property and current aerial photography were overlaid utilizing geographic information software for use on site during the completion of the tree inventory. The tree locations, the topographic survey and the site plan were then overlaid and a tree preservation analysis was completed to determine the impacts to the trees included in the inventory.

2.1 Tree Inventory

Site visits were conducted on the 16th and 31st of August, and the 1st of September 2021 to complete the tree inventory. All trees 10 cm in diameter and larger situated within the limits of development, within 5 m of the limits of development and within the road allowances were included in the tree inventory. A visual assessment was completed on each tree included in the inventory and the following information is provided in the tree inventory table (Table 1):

- **Tree #:** A number assigned to each tree correlating to the tree inventory and the Tree Preservation Plan (TPP) Sheets 1-4.
- **Species:** Common and scientific (Latin) species names.
- **DBH:** The trunk diameter at breast height, measured in centimeters at 1.4 m from the ground.
- **Condition:** The health of the tree regarding the trunk integrity, the crown structure and the crown vigour; each rated as poor, fair or good. The condition ratings are based on the signs, symptoms and defects exhibited by each tree, considering the conditions in which it is growing.
- **Dripline:** The distance from the stem to the tips of the live branches, measured in meters.
- **Comments:** Any additional notes relevant to the tree's health or growing conditions.
- **Recommendation:** The recommended removal or preservation of each tree based on the impact assessment.

The trees included in the inventory were identified with numbers 1-273 and were located using a tablet computer with a GPS chip and estimates made on site. Where numerous trees reside in close proximity to each other and their locations could be not determined utilising the GPS unit they were inventoried as a group called a "tree polygon". Tree polygons are identified with the letter "P" prefix prior to the tree number (i.e. P29).

All trees 10 cm in diameter and larger situated within a tree polygon were tallied utilizing the following parameters:

Species: Common and scientific species names.

Size Class: Trees were tallied by diameter classes of 10-19 cm, 20-29 cm, 30-39 cm, 40-49 cm, 50-59 cm, etc.

Condition: Trees were classified as either Good, Fair or Poor.

Refer to Appendix A for the complete tree polygon tally sheets.

2.2 Impact Assessment

A tree preservation analysis was completed on each tree considering the impacts from the proposed development and many other factors including, but not limited to, tree condition, species, DBH and the existing site conditions. The impacts from the proposed development will occur where tree roots conflict with construction machinery during demolition, pre-grading, construction, grading and servicing.

The distance of dripline was utilised during the tree preservation analysis to determine the potential impacts to each tree. Where encroachment is required within the dripline, tree removal may be required.

3.0 Existing Conditions

The subject property is currently occupied by active agricultural fields, woodlands, two farms steads with two residential dwellings and multiple agricultural outbuildings. There is a significant amount of relief in the topography of the subject property, with the highest point residing in the southwest corner sloping in a downward direction towards the north eastern corner of the property. The subject property is bound by Sideroad 17 and holdout properties to the north, Eight Line and holdout properties to the east, woodland to the south and active agricultural land to the west.

4.0 Tree Inventory Results

The results of the tree inventory indicate that a total of 241 trees and 32 tree polygons reside on subject property, within the road allowance and on neighbouring property within 5 m of the property boundaries. The trees included in the inventory are dominated by naturally occurring trees with some landscape plantings. The naturally occurring trees reside between the agricultural fields and within the road allowances. The landscape plantings reside in close vicinity to the residential dwellings.

Three (3) Butternut (*Juglans cinerea*) were identified in the tree inventory within tree polygons P66 and P67. One of the Butternut is 40-49 cm in diameter and non-retainable. The second Butternut is 36 cm in diameter and dead. The third Butternut is 1 cm in diameter and retainable.

Refer to the EIS prepared by RJ Burnside & Associates Limited for the impacts and mitigation requirements for species at risk. Refer to Table 1 and Appendix A for the complete tree inventory and Sheets 1-4 for tree locations.

5.0 Proposed Development

The proposed development includes the demolition of 1 homestead and the construction of two multi-block residential subdivisions, one at 5520 Eight Line and one at 5552 Eight Line, to be covered under separate applications. The subdivisions will include residential development blocks, SWM pond blocks, a park block, natural heritage system blocks and a pumping station. One of the farmsteads will be retained by the former property owner.

6.0 Discussion

The following sections discuss the tree removal requirements, tree preservation opportunities and tree preservation recommendations.

6.1 Tree Removal

The removal of Trees and Tree Polygons 1-41, P46, 48, P52, 55, 57-62, P65-P67, P69-93, 96-122, 134-140, 145-149, 161-165, a portion of P180, P181-195, 197, 206--P273 will be required to accommodate the proposed development. Considering the topography on the property, there will be significant grading required to accommodate the proposed development, resulting in considerable tree removal.

Small portions of Tree Polygons P209 and P218 reside within the buffer to the Natural Heritage System. The trees residing within the buffer will be preserved behind tree protection fencing, however, the majority of the tree polygons will be removed to accommodate grading.

Tree 179 does not conflict with the proposed development, however, it is exhibiting an elevated risk potential and should be removed to eliminate the associated risk.

Trees 1-10, a portion of P180, a portion of P268, 269, 270, 271, 272 and a portion of P273 appear to reside within the road allowances. Permission from the appropriate Town department will be required prior to their removals.

Tree 11, 12, 216, a portion of P65, a portion of P71 and a portion of P72 appear to reside partially or fully on neighbouring property. Permission from the respective property owner will be required prior to the removal of trees residing partially or fully on neighbouring property.

It appears that Tree 215 also resides on neighbouring property, however, it is understood that Mattamy Homes has acquired a portion of this parcel and as such, the tree is owned by the applicant.

Portion of P45 and Trees 179 and 195 reside behind prescribed tree protection fence. These trees must be removed prior to the installation of the tree protection fence.

It is noted in the EIS that Common Buckthorn (*Rhamnus cathartica*) reside along the edge of some of the natural heritage features. Buckthorn are very aggressive and highly invasive. It is recommended that any Buckthorn residing within the edge of the natural features should be removed during the tree removal phase. Where Buckthorn reside within tree protection areas they must be removed prior to the installation of the tree protection fence. Refer to Table 25 of the EIS for the recommended Buckthorn removal measures.

6.2 Tree Preservation

The preservation of Trees 42-45, 47, 49-P51, 53, 54, P56, 63, 64, P68, 94, 95, 150-157, 166-171, 123-133, 141-144, 158-160, 172-178, a portion of P180, P196 and P198-205 will be possible with the use of appropriate tree protection measures. Tree protection fence must be installed prior to the commencement of demolition/pre-grading.

Light encroachment within the dripline of Trees 13, 123, 149, 150 and 151 will be required to accommodate grading. If any tree roots are exposed during grading they must be pruned by a Certified Arborist in accordance with good arboricultural practice to ensure that the root system is not damaged.

Prior to assumption a hazard tree assessment along the buffers to the Natural Heritage System should be completed to ensure that no trees residing within the buffers have become destabilized during grading and construction.

Tree protection fence must be installed at the dripline plus 1 m of trees identified for preservation unless noted other in this report and on Sheets 2-4. The tree protection fence must be comprised of silt fence affixed to paige wire fence supported on meal t-bars. Portion of P45 and Trees 179 and 195 reside behind prescribed tree protection fence. These trees must be removed prior to the installation of the tree protection fence.

Refer to Sheet 1 for the tree protection fencing detail and additional tree protection plan notes. Refer to Sheets 2-4 for the prescribed location of tree protection fencing.

6.3 Tree Protection Recommendations

The following recommendations are made in attempts to reduce the impacts to trees identified for preservation:

- Tree protection fence must be installed 1 m beyond the dripline of the trees identified for preservation, unless noted otherwise in this report and on Sheets 2-4 prior to the commencement of demolition.
- Once tree protection fence has been installed it must not be moved, relocated or altered in any way (unless repairing fallen fence etc.) for the duration of the construction period.

- No intrusion into an area identified on Sheets 2-4 as a tree preservation zone (TPZ) is allowed at anytime during construction.
- No storage of machinery, construction debris, materials, waste or any other items is allowed within a TPZ.
- Any tree branches (and roots) that conflict with proposed development must be pruned by a Certified Arborist in accordance with acceptable arboricultural practice.
- Tree protection fencing should be inspected by a Certified Arborist prior to and during construction to ensure that the fencing remains intact and in good repair throughout the stages of development.
- Prior to assumption a hazard tree assessment along the buffers to the Natural Heritage System should be completed to ensure that no trees residing within the buffers have become destabilized during grading and construction.

7.0 Summary and Recommendations

Jackson Arboriculture Inc. was retained by Erin Developments Inc. and 2779181 Ontario Inc. to complete a Tree Inventory and Preservation Plan report for a property situated at 5520 and 5552 Eight Line in the Town of Erin. A tree inventory was conducted and an impact assessment was completed in the context of the proposed development plan.

The tree inventory documented a total of 241 trees and 32 tree polygons situated on subject property, in the road allowances and on neighbouring property within 5 m of the property boundaries. The results of the impact assessment indicate that the removal of 185 trees and 24 tree polygons will be required to accommodate the proposed development.

Respectfully submitted,
Jackson Arboriculture Inc.

Jeremy Jackson

Jeremy Jackson, H.B.Sc.,
ISA Certified Arborist #ON-1089A
GIS Analyst

8.0 Limitations of Assessment

It is our policy to attach the following limitations of assessment to ensure that the client, municipalities and agencies are fully aware of what is technically and professionally realistic when visually assessing and retaining trees.

The assessment of the trees presented in this report has been made using accepted arboricultural techniques. These include a visual examination of the above ground parts of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of attack by insects, discoloured foliage, the condition of any visible root structures, the degree and direction of any lean, the general condition of the trees and the surrounding site, and the proximity of property and people.

Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms and their health and vigour constantly change. They are not immune to changes in site conditions, or seasonal variations in the weather conditions, including severe storms with high-speed winds.

While reasonable efforts have been made to ensure that the trees recommended for retention are healthy no guarantees are offered, or implied, that these trees, or any parts of them, will remain standing. It is both professionally and practically impossible to predict with absolute certainty the behaviour of any single tree or group of trees or their component parts in all circumstances. Inevitably a standing tree will always pose some risk. Most trees have the potential for failure under adverse weather conditions, and the risk can only be eliminated if the tree is removed.

Although every effort has been made to ensure that this assessment is reasonably accurate, trees should be re-assessed periodically. The assessment presented in this report is valid as the time of the inspection.

Table 1. Tree Inventory

Location: 5520, 5552 Eight Line, Erin

Date: 16/31 Aug, 1 Sep, 2021

Surveyors: JJJ

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
1	Norway Maple	<i>Acer platanoides</i>	23, 19	F	G	G	4	Union at 0.4 m with included bark, stem wound	Remove
2	Norway Maple	<i>Acer platanoides</i>	30	FG	G	G	4	Union at 1.6 m	Remove
3	Norway Maple	<i>Acer platanoides</i>	40	FG	G	G	5	Growth deficit	Remove
4	Norway Maple	<i>Acer platanoides</i>	51	F	FG	G	5	Union at 2 m with included bark and seam	Remove
5	Norway Maple	<i>Acer platanoides</i>	38	FG	G	G	5	Union at 2 m	Remove
6	Norway Maple	<i>Acer platanoides</i>	28	FG	FG	G	4	Union at 2.5 m	Remove
7	Norway Maple	<i>Acer platanoides</i>	32	P	PF	PF	4	Union at 1.6 m, heavy stem wound, 20% crown dieback	Remove
8	Norway Maple	<i>Acer platanoides</i>	38	F	G	G	5	Seam	Remove
9	Norway Maple	<i>Acer platanoides</i>	19, 20, 24, 10	F	FG	G	4	Union at ground with included bark	Remove
10	Norway Maple	<i>Acer platanoides</i>	40	F	FG	G	5	Union at 1.8 m, seam with fruiting bodies	Remove
11	Apple species	<i>Malus sp.</i>	~65	F	F	F	9	Union at 2 m with heart rot, pruning wounds/stem wounds	Remove
12	White Spruce	<i>Picea glauca</i>	25	G	G	G	4		Remove
13	Apple species	<i>Malus sp.</i>	~30	G	FG	G	4	Broken branches	Remove
14	Trembling Aspen	<i>Populus tremuloides</i>	20	F	F	FG	4	Stem wound, heavy grapevine competition, bowed	Remove
15	Apple species	<i>Malus sp.</i>	~5-12	F	FG	G	4	Union at ground, ~15 stems	Remove
16	Norway Maple	<i>Acer platanoides</i>	40	FG	FG		5	Union at 2 m	Remove
17	Green Ash	<i>Fraxinus pennsylvanica</i>	37	P	P	P	3	Epicormic branching, 95% crown dieback, EAB infestation	Remove
18	Honey Locust cultivar	<i>Gleditsia triacanthos</i> var. 'inermis'	34	FG	G	G	5	Union at 2 m	Remove
19	Eastern White Cedar	<i>Thuja occidentalis</i>	10	G	FG	G	2	Union in crown	Remove
20	White Pine	<i>Pinus strobus</i>	21	G	G	G	4		Remove
21	Balsam Poplar	<i>Populus balsamifera</i>	12	FG	G	G	3	Stem wound	Remove
22	White Spruce	<i>Picea glauca</i>	10	G	G	G	3		Remove
23	Scots Pine	<i>Pinus sylvestris</i>	24	FG	G	G	3	Stem wounds	Remove
24	White Spruce	<i>Picea glauca</i>	38	G	G	G	4		Remove
25	Eastern White Cedar	<i>Thuja occidentalis</i>	14, 10, 7	FG	G	G	1	Union at ground	Remove
26	White Spruce	<i>Picea glauca</i>	~45	G	G	G	5		Remove
27	Juniper species	<i>Juniperus sp.</i>	17, 19	FG	G	G	3	Union at ground	Remove
28	White Pine	<i>Pinus strobus</i>	30, 28	F	FG	G	5	Union at 0.6 m with included bark	Remove
P29	Refer to Appendix A								Remove
30	Juniper species	<i>Juniperus sp.</i>	~22, 17, 14	FG	G	G	3	Union at ground	Remove
31	White Spruce	<i>Picea glauca</i>	15	G	G	G	3		Remove
32	Balsam Poplar	<i>Populus balsamifera</i>	16	G	G	G	3		Remove
33	European Larch	<i>Larix decidua</i>	14	G	G		3		Remove
34	Eastern White Cedar	<i>Thuja occidentalis</i>	~18, 15, 13, 10, 10	FG	G	G	3	Union at ground	Remove
35	White Spruce	<i>Picea glauca</i>	18	G	G	G	2		Remove

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
36	Balsam Poplar	<i>Populus balsamifera</i>	10	G	G	G	3		Remove
37	Balsam Poplar	<i>Populus balsamifera</i>	16	G	G	G	3		Remove
38	Balsam Poplar	<i>Populus balsamifera</i>	17	G	G	G	3		Remove
39	Little-leaf Linden	<i>Tilia cordata</i>	45	F	FG	G	4	stem wounds	Remove
40	Norway Maple	<i>Acer platanoides</i>	34	FG	FG	G	4	Union at 1.6 m, stem wound	Remove
41	Norway Maple	<i>Acer platanoides</i>	32	FG	G	G	3	Union at 2 m	Remove
42	Black Cherry	<i>Prunus serotina</i>	~55	G	G	G	7		Preserve
P43	Eastern White Cedar	<i>Thuja occidentalis</i>	~20-40, Avg: 30	G	G	G	4	Mature Eastern White Cedar trees	Preserve
44	Basswood	<i>Tilia americana</i>	~55, 45	F	F	F	5	45 cm stem dead	Preserve
P45	Refer to Appendix A							Group includes pine hedgerow up to the laneway	Preserve
P46	Refer to Appendix A								Remove
P47	Refer to Appendix A								Preserve
48	Trembling Aspen	<i>Populus tremuloides</i>	16	F	F	F	3	Hypoxylon canker	Remove
49	White Elm	<i>Ulmus americana</i>	10	G	FG	FG	2	Heavy grapevine competition	Preserve
50	Green Ash	<i>Fraxinus pennsylvanica</i>	11	FG	FG	G	2	Heavy grapevine competition	Preserve
P51	Refer to Appendix A								Preserve
P52	Refer to Appendix A								Remove
53	White Spruce	<i>Picea glauca</i>	~16	G	G	G	3		Preserve
54	Scots Pine	<i>Pinus sylvestris</i>	~20	G	G	G	3		Preserve
55	White Pine	<i>Pinus strobus</i>	15	G	G	G	3		Remove
P56	Refer to Appendix A								Preserve
57	White Pine	<i>Pinus strobus</i>	~24	G	G	G	4		Remove
58	White Pine	<i>Pinus strobus</i>	17	G	G	G	3		Remove
59	White Pine	<i>Pinus strobus</i>	13	G	G	G	3		Remove
60	White Pine	<i>Pinus strobus</i>	23	G	G	G	3		Remove
61	White Pine	<i>Pinus strobus</i>	12	G	G	G	3		Remove
62	White Pine	<i>Pinus strobus</i>	18	FG	FG	G	3	Union at 2 m	Remove
63	Willow species	<i>Salix sp.</i>	~25	G	G	G	4		Preserve
64	Basswood	<i>Tilia americana</i>	~50, 50, 40	F	FG	G	6	Union at ground	Preserve
P65	Refer to Appendix A								Remove
P66	Refer to Appendix A								Remove
P67	Refer to Appendix A								Remove
P68	Refer to Appendix A								Preserve
P69	Refer to Appendix A								Remove
P70	Refer to Appendix A								Remove
P71	Refer to Appendix A								Remove
P72	Refer to Appendix A								Remove
P73	Refer to Appendix A								Remove
P74	Refer to Appendix A								Remove
P75	Refer to Appendix A								Remove
P76	Refer to Appendix A								Remove
77	Manitoba Maple	<i>Acer negundo</i>	~15	G	G	G	3	Grapevine competition	Remove
78	Manitoba Maple	<i>Acer negundo</i>	~15, 8	F	F	F	3	Union at ground, stem wound-rubbing on fence, heavy grapevine competition	Remove

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
79	Manitoba Maple	<i>Acer negundo</i>	41, 41	F	F	F	5	Union at 0.5 m with included bark, broken branches, epicormic branching	Remove
80	Manitoba Maple	<i>Acer negundo</i>	17	F	F	F	4	Sweep, bowed - understory	Remove
81	Norway Spruce	<i>Picea abies</i>	85	G	G	G	5		Remove
82	Green Ash	<i>Fraxinus pennsylvanica</i>	11	FG	FG	FG	3	Understorey, crooks	Remove
83	Norway Spruce	<i>Picea abies</i>	57	G	G	G	5		Remove
84	Norway Spruce	<i>Picea abies</i>	50	G	G	G	5		Remove
85	Norway Spruce	<i>Picea abies</i>	41	F	FG	G	4	Heavy broken branches	Remove
86	White Spruce	<i>Picea glauca</i>	50	FG	FG	G	4	Union at 1.6 m	Remove
87	Norway Spruce	<i>Picea abies</i>	53	G	G	G	5		Remove
88	Norway Spruce	<i>Picea abies</i>	55	G	G	G	5		Remove
89	Black Cherry	<i>Prunus serotina</i>	51	FG	FG	G	5	Union at 2.5 m	Remove
90	Norway Spruce	<i>Picea abies</i>	58	G	G	G	5		Remove
91	Norway Spruce	<i>Picea abies</i>	46	G	G	G	4		Remove
92	Norway Spruce	<i>Picea abies</i>	~58	F	P	P	4	Stem wounds in crown, 70% crown dieback	Remove
93	Manitoba Maple	<i>Acer negundo</i>	~60	P	P	P	5	Heavy stem wound/peeling bark, epicormic branching, broken branches, 60% crown dieback	Remove
94	Norway Spruce	<i>Picea abies</i>	53	FG	G	G	5	Lean, stem wound	Preserve
95	Norway Spruce	<i>Picea abies</i>	59	G	G	G	6		Preserve
96	White Pine	<i>Pinus strobus</i>	~38	G	G	G	6		Remove
97	Manitoba Maple	<i>Acer negundo</i>	~14, 20	F	F	FG	6	Union at 0.4 m, heavy pruning wound, understory	Remove
98	Eastern White Cedar	<i>Thuja occidentalis</i>	~11	G	FG	FG	2	Understorey	Remove
99	Manitoba Maple	<i>Acer negundo</i>	~40, 18	F	FG	FG	6	Union at ground, coppice growth	Remove
100	White Pine	<i>Pinus strobus</i>	15	FG	P	P	3	Top cut	Remove
101	Manitoba Maple	<i>Acer negundo</i>	59	PF	P	PF	6	Heavy broken branches, cavity at flare with heart rot, spiraling stem	Remove
102	Manitoba Maple	<i>Acer negundo</i>	38, 33	FG	G	G	4	Union at 0.6 m	Remove
103	Manitoba Maple	<i>Acer negundo</i>	22, 14, 20	F	G	G	4	Union at ground, lean	Remove
104	Manitoba Maple	<i>Acer negundo</i>	21	F	FG	G	5	Lean	Remove
105	Manitoba Maple	<i>Acer negundo</i>	36	F	FG	G	5	Lean, stem wound, broken branches	Remove
106	Apple species	<i>Malus sp.</i>	37	F	F	F	5	Crook, 20% crown dieback	Remove
107	Manitoba Maple	<i>Acer negundo</i>	25, 26	PF	F	F	5	Union at ground, 1 stem failed	Remove
108	Manitoba Maple	<i>Acer negundo</i>	20, 18	FG	FG	FG	5	Union at ground, lean, epicormic branching	Remove
109	Apple species	<i>Malus sp.</i>	36	PF	F	F	4	Union at 1.8 m with cavities and heart rot, 20% crown dieback	Remove
110	Manitoba Maple	<i>Acer negundo</i>	13	FG	F	F	3	Bowed, 20% crown dieback	Remove
111	Manitoba Maple	<i>Acer negundo</i>	22	F	FG	FG	4	Stem wounds - rubbing on trailer and fence	Remove
112	Manitoba Maple	<i>Acer negundo</i>	22	F	FG	G	3	Bowed	Remove
113	Manitoba Maple	<i>Acer negundo</i>	11	F	F	FG	4	Bowed, stem wound, understory	Remove
114	Apple species	<i>Malus sp.</i>	43	FG	F	F	4	Seam, 20% crown dieback	Remove
115	Manitoba Maple	<i>Acer negundo</i>	47	F	G	FG	4	Heavy stem wound from failed stem, epicormic branching	Remove
116	Manitoba Maple	<i>Acer negundo</i>	11, 11	F	G	G	3	Union at 0.4 m with included bark	Remove
117	Scots Pine	<i>Pinus sylvestris</i>	50	G	G	G	4		Remove
118	White Spruce	<i>Picea glauca</i>	38	G	G	G	4		Remove

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
119	White Spruce	<i>Picea glauca</i>	38	G	G	G	4		Remove
120	Manitoba Maple	<i>Acer negundo</i>	16, 12, 20	FG	G	G	4	Union at ground	Remove
121	Manitoba Maple	<i>Acer negundo</i>	20	FG	G	G	4	Light sweep	Remove
122	Manitoba Maple	<i>Acer negundo</i>	18	F	FG	G	4	Sweep	Remove
123	White Spruce	<i>Picea glauca</i>	18, 12	FG	G	FG	4	Union at ground	Preserve
124	Eastern White Cedar	<i>Thuja occidentalis</i>	19, 18	F	FG	G	3	Union at 0.8 m	Preserve
125	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 6	FG	FG	G	3	Union at ground	Preserve
126	Manitoba Maple	<i>Acer negundo</i>	~30	F	F	FG	4	Stem wound/peeling bark at union, pruning wounds	Preserve
127	Manitoba Maple	<i>Acer negundo</i>	27	FG	FG	G	4	Light lean	Preserve
128	Manitoba Maple	<i>Acer negundo</i>	34	F	FG	FG	5	Union at 1.6 m, lean	Preserve
129	White Spruce	<i>Picea glauca</i>	36	G	G	G	4	Grapevine competition	Preserve
130	Manitoba Maple	<i>Acer negundo</i>	16, 9, 10, 8, 9	F	FG	G	4	Union at ground	Preserve
131	Manitoba Maple	<i>Acer negundo</i>	12	FG	FG	G	3	Union at 1.6 m	Preserve
132	Manitoba Maple	<i>Acer negundo</i>	~14, 8, 11, 8	F	F	F	4	Unions at ground and 1 m, heavy bow	Preserve
133	Manitoba Maple	<i>Acer negundo</i>	~10, 9, 8, 11	F	FG	G	4	Union at ground, lean,	Preserve
134	Manitoba Maple	<i>Acer negundo</i>	~18, 12,	FG	FG	G	4	Union at ground	Remove
135	Manitoba Maple	<i>Acer negundo</i>	20	FG	FG	G	3	Union at 1.5 m	Remove
136	Manitoba Maple	<i>Acer negundo</i>	21	G	G	G	4	Coppice growth	Remove
137	Manitoba Maple	<i>Acer negundo</i>	23, 11	F	FG	G	4	Union at ground with included bark, spiralling stems, coppice growth	Remove
138	Manitoba Maple	<i>Acer negundo</i>	19	FG	FG	G	4	Lean, union in crown	Remove
139	Manitoba Maple	<i>Acer negundo</i>	~55	P	P	F	4	Heavy stem wound with heart rot, broken branches	Remove
140	Manitoba Maple	<i>Acer negundo</i>	~40, 40	P	PF	PF	6	Failed stems lying on the ground	Remove
141	White Spruce	<i>Picea glauca</i>	16	G	G	G	3		Preserve
142	Sugar Maple	<i>Acer saccharum</i>	34	F	FG	G	5	Union at 2 m with included bark	Preserve
143	Manitoba Maple	<i>Acer negundo</i>	22	FG	G	G	4	Lean	Preserve
144	Apple species	<i>Malus sp.</i>	25	F	FG	F	4	Union at 1.3 m with cavity and heart rot	Preserve
145	White Spruce	<i>Picea glauca</i>	34	G	G	G	4		Remove
146	White Spruce	<i>Picea glauca</i>	41	G	G	G	4		Remove
147	White Spruce	<i>Picea glauca</i>	16	FG	FG	FG	3		Remove
148	White Spruce	<i>Picea glauca</i>	42	G	G	G	4		Remove
149	White Spruce	<i>Picea glauca</i>	32	G	G	G	4		Remove
150	White Spruce	<i>Picea glauca</i>	33	G	G	G	4		Preserve
151	White Spruce	<i>Picea glauca</i>	36	G	G	G	4		Preserve
152	White Spruce	<i>Picea glauca</i>	32	G	G	G	3		Preserve
153	Norway Spruce	<i>Picea abies</i>	32	G	G	G	5		Preserve
154	Norway Spruce	<i>Picea abies</i>	54	G	G	G	5		Preserve
155	White Spruce	<i>Picea glauca</i>	30	F	G	G	4	Stem wound	Preserve
156	White Spruce	<i>Picea glauca</i>	48	G	G	G	6		Preserve
157	White Spruce	<i>Picea glauca</i>	~28, 18	FG	FG	G	4	Union at ground	Preserve
158	Norway Spruce	<i>Picea abies</i>	31	G	G	G	4		Preserve
159	Norway Spruce	<i>Picea abies</i>	51	G	G	G	5		Preserve
160	Norway Spruce	<i>Picea abies</i>	50	G	G	G	4		Preserve

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
161	White Spruce	<i>Picea glauca</i>	16, 14, 11	FG	G	G	4	Union at ground	Remove
162	Manitoba Maple	<i>Acer negundo</i>	23	FG	FG	G	4	Crook, epicormic branching	Remove
163	Apple species	<i>Malus sp.</i>	51	FG	FG	FG	5	Union at 1.6 m, 10% crown dieback	Remove
164	White Spruce	<i>Picea glauca</i>	19	G	G	FG	4	10% crown dieback	Remove
165	Sugar Maple	<i>Acer saccharum</i>	33	F	FG	G	4	Seam, stem wound, vertical scaffold limb	Remove
166	Apple species	<i>Malus sp.</i>	28, 33	P	P	P	3	Union at 0.6 m, stem failed at 3.5 m	Preserve
167	Manitoba Maple	<i>Acer negundo</i>	10, 5	G	G	G	3	Union at ground	Preserve
168	Manitoba Maple	<i>Acer negundo</i>	12	G	G	G	3		Preserve
169	Blue Spruce	<i>Picea pungens</i>	23	G	G	FG	3	10% crown dieback	Preserve
170	Sugar Maple	<i>Acer saccharum</i>	33	F	FG	G	5	Union at 0.4 m with seam/included bark	Preserve
171	Sugar Maple	<i>Acer saccharum</i>	23, 14	FG	G	G	5	Union at 1.1 m	Preserve
172	Sugar Maple	<i>Acer saccharum</i>	28	G	G	G	5		Preserve
173	Manitoba Maple	<i>Acer negundo</i>	14, 10, 11, 12, 14	F	F	FG	4	Union at ground with included bark	Preserve
174	Manitoba Maple	<i>Acer negundo</i>	18, 10, 16, 14, 19	F	FG	G	4	Union at ground	Preserve
175	Blue Spruce	<i>Picea pungens</i>	32	G	G	G	3		Preserve
176	Manitoba Maple	<i>Acer negundo</i>	63, 45, 62	F	F	F	7	Stem wound, 45 cm stem topped, possible weak union	Preserve
177	Apple species	<i>Malus sp.</i>	23	F	FG	FG	3	Union at 1.6 m, lean, understorey	Preserve
178	White Spruce	<i>Picea glauca</i>	19	G	G	G	3		Preserve
179	Manitoba Maple	<i>Acer negundo</i>	~90	P	P	F	6	Top of crown failed, heavy stem wound with heavy heart rot, lean towards road, hazard - remove	Remove
P180	Refer to Appendix A								Remove/Preserve
P181	Refer to Appendix A							Tree grouping straddles the property line, some trees in row some are on private property	Remove
182	White Pine	<i>Pinus strobus</i>	20	G	G	G	3		Remove
183	Eastern White Cedar	<i>Thuja occidentalis</i>	10	G	FG	G	2	Union at 1.7 m	Remove
184	Eastern White Cedar	<i>Thuja occidentalis</i>	12	G	G	G	2		Remove
185	Scots Pine	<i>Pinus sylvestris</i>	10	G	G	G	3		Remove
186	White Pine	<i>Pinus strobus</i>	16	FG	FG	G	3	Union at 1.5 m	Remove
187	White Pine	<i>Pinus strobus</i>	17	FG	G	G	3	Crook	Remove
188	Scots Pine	<i>Pinus sylvestris</i>	19	G	G	G	3		Remove
189	Scots Pine	<i>Pinus sylvestris</i>	~10, 12	FG	FG	G	3	Union at 1 m	Remove
190	Scots Pine	<i>Pinus sylvestris</i>	20	G	G	G	3		Remove
191	Eastern White Cedar	<i>Thuja occidentalis</i>	12	G	G	G	2		Remove
192	White Pine	<i>Pinus strobus</i>	17	G	FG	G	4	Crook	Remove
193	Trembling Aspen	<i>Populus tremuloides</i>	11	G	G	G	2		Remove
194	Trembling Aspen	<i>Populus tremuloides</i>	10	G	G	G	2		Remove
195	Manitoba Maple	<i>Acer negundo</i>	18	FG	FG	G	3	Lean	Remove
P196	Eastern White Cedar	<i>Thuja occidentalis</i>	~10-20, avg 15	F	F	FG	3	Unions at ground, 22 cedar trees in group	Preserve
	Trembling Aspen	<i>Populus tremuloides</i>	~30	G	G	G	4	1 tree	Preserve
	Manitoba Maple	<i>Acer negundo</i>	~15	F	FG	G	3	Bowed, 1 tree	Preserve

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
197	Scots Pine	<i>Pinus sylvestris</i>	12	G	G	G	2		Remove
P198	Eastern White Cedar	<i>Thuja occidentalis</i>	~12-25 avg17	FG	FG	G	3	Eastern White cedar hedge, unions at ground	Preserve
	Blue Spruce	<i>Picea pungens</i>	~20	G	G	G	3	1 tree	Preserve
	Blue Spruce	<i>Picea pungens</i>	~15	G	G	G	3	1 tree	Preserve
199	Eastern White Cedar	<i>Thuja occidentalis</i>	~11, 13	FG	FG	G	2	Union at ground	Preserve
200	Green Ash	<i>Fraxinus pennsylvanica</i>	~15	G	G	G	3		Preserve
201	White Elm	<i>Ulmus americana</i>	~10, 13	FG	G	G	3	Union at ground	Preserve
202	Green Ash	<i>Fraxinus pennsylvanica</i>	40	F	P	P	4	50% crown dieback, EAB infestation	Preserve
203	Green Ash	<i>Fraxinus pennsylvanica</i>	36	F	F	PF	5	Stem wound, 30% crown dieback, EAB infestation	Preserve
204	Green Ash	<i>Fraxinus pennsylvanica</i>	~45	F	F	PF	5	30% crown dieback, EAB infestation	Preserve
205	Balsam Poplar	<i>Populus balsamifera</i>	13	G	G	G	3		Preserve
206	White Elm	<i>Ulmus americana</i>	10	G	FG	G	2	Epicormic branching	Remove
207	Green Ash	<i>Fraxinus pennsylvanica</i>	18	FG	G	G	3	Seam	Remove
P208	Refer to Appendix A								Remove
P209	Refer to Appendix A								Remove
P210	Refer to Appendix A								Remove
211	Green Ash	<i>Fraxinus pennsylvanica</i>	13	FG	G	G	3	Seam	Remove
212	Green Ash	<i>Fraxinus pennsylvanica</i>	12	F	FG	FG	2	Stem wounds/peeling bark, EAB infestation	Remove
213	Green Ash	<i>Fraxinus pennsylvanica</i>	12, 7	FG	G	G	3	Union at ground	Remove
214	Green Ash	<i>Fraxinus pennsylvanica</i>	23	FG	F	F	3	Stem wounds/peeling bark, 20% dieback, EAB infestation	Remove
215	Green Ash	<i>Fraxinus pennsylvanica</i>	11, 12	F	F	PF	3	Union at ground, 20% dieback, peeling bark, EAB infestation	Remove
216	Green Ash	<i>Fraxinus pennsylvanica</i>	14	F	F	F	3	Stem wounds/peeling bark, chlorotic, EAB infestation	Remove
217	Green Ash	<i>Fraxinus pennsylvanica</i>	14, 15	F	F	F	3	Union at 0.9 m, peeling bark, EAB infestation	Remove
P218	Refer to Appendix A								Remove
219	Manitoba Maple	<i>Acer negundo</i>	10, 10	FG	G	G	3	Union at 1.1 m	Remove
220	Apple species	<i>Malus sp.</i>	10, 8	FG	G	G	3	Union at ground	Remove
221	Apple species	<i>Malus sp.</i>	10, 10	FG	G	G	3	Union at ground	Remove
222	Apple species	<i>Malus sp.</i>	12, 8	FG	G	G	3	Union at ground	Remove
223	Apple species	<i>Malus sp.</i>	20, 20, 8	FG	FG	G	4	Union at ground	Remove
224	Apple species	<i>Malus sp.</i>	11, 11	FG	G	G	3	Union at 1 m	Remove
225	Apple species	<i>Malus sp.</i>	11, 11, 9	F	FG	G	3	Union at ground, heavy sweep	Remove
226	Manitoba Maple	<i>Acer negundo</i>	25	G	G	G	4		Remove
227	Manitoba Maple	<i>Acer negundo</i>	18, 14	FG	G	G	4	Union at ground	Remove
228	Manitoba Maple	<i>Acer negundo</i>	16, 13	FG	G	G	3	Union at 0.3 m	Remove
229	Manitoba Maple	<i>Acer negundo</i>	17, 17, 13, 12	F	FG	G	4	Union at ground, coppice growth	Remove
230	Manitoba Maple	<i>Acer negundo</i>	19, 6, 5	FG	FG	G	4	Union at ground, coppice growth	Remove
231	Manitoba Maple	<i>Acer negundo</i>	10, 9, 12	F	FG	G	4	Union at ground	Remove
232	Manitoba Maple	<i>Acer negundo</i>	~20	P	PF	F	4	Stems failed at 1.5 m	Remove
233	Manitoba Maple	<i>Acer negundo</i>	22, 8, 8	F	FG	G	4	Union at ground	Remove
234	Manitoba Maple	<i>Acer negundo</i>	10	F	G	G	3	Union at 1.7 m, lean	Remove

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
235	Apple species	<i>Malus sp.</i>	12, 7	FG	FG	G	3	Union at 0.3 m	Remove
236	Apple species	<i>Malus sp.</i>	29, 18, 10	P	PF	F	5	2 stems failed and lying on the ground	Remove
237	Apple species	<i>Malus sp.</i>	10, 11	FG	G	G	3	Union at ground	Remove
238	Apple species	<i>Malus sp.</i>	22, 28, 20, 20	F	FG	G	4	Union at ground	Remove
239	Manitoba Maple	<i>Acer negundo</i>	29, 14	F	FG	G	4	Union at ground	Remove
240	Manitoba Maple	<i>Acer negundo</i>	10, 11, 8, 10, 7	PF	F	FG	3	Union at ground with heavy sweep	Remove
241	Basswood	<i>Tilia americana</i>	32, 32, 33	F	FG	FG	5	Union at ground	Remove
242	Manitoba Maple	<i>Acer negundo</i>	12, 14	FG	FG	G	3	Union at ground, coppice growth	Remove
243	Manitoba Maple	<i>Acer negundo</i>	13, 7, 9, 7	F	FG	FG	3	Union at ground, coppice growth	Remove
244	Manitoba Maple	<i>Acer negundo</i>	10, 8	F	FG	G	3	Union at ground, coppice growth	Remove
245	Manitoba Maple	<i>Acer negundo</i>	11, 8, 7	F	FG	G	3	Union at ground, coppice growth	Remove
246	Manitoba Maple	<i>Acer negundo</i>	13, 11, 9, 7	F	FG	G	3	Union at ground	Remove
247	Manitoba Maple	<i>Acer negundo</i>	12	F	FG	FG	3	Stem wounds	Remove
248	Apple species	<i>Malus sp.</i>	12, 10, 8, 7	F	FG	G	3	Union at ground	Remove
249	Apple species	<i>Malus sp.</i>	10	G	G	G	3		Remove
P250	Refer to Appendix A								Remove
251	Manitoba Maple	<i>Acer negundo</i>	12	FG	G	G	3	Coppice	Remove
252	Manitoba Maple	<i>Acer negundo</i>	13	G	G	G	3		Remove
253	Manitoba Maple	<i>Acer negundo</i>	13	G	G	G	3	Light lean, coppice growth	Remove
254	Manitoba Maple	<i>Acer negundo</i>	16, 16, 13, 12	FG	FG	G	4	Unions at ground and 0.5 m	Remove
255	Manitoba Maple	<i>Acer negundo</i>	16, 13, 10	PF	F	FG	4	Union at ground with heavy sweep	Remove
256	Manitoba Maple	<i>Acer negundo</i>	25, 17, 41	P	P	P	10	Main stem lying on the ground	Remove
257	Sugar Maple	<i>Acer saccharum</i>	72	G	G	G	7		Remove
258	Eastern White Cedar	<i>Thuja occidentalis</i>	124, 12	FG	FG	FG	2	Union at ground, understory	Remove
259	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 8	F	F	F	2	Union at 0.3 m, understory	Remove
260	Sugar Maple	<i>Acer saccharum</i>	52	P	P	P	6	Heavy stem wound, broken branches, 50% crown dieback	Remove
261	Silver Maple	<i>Acer saccharinum</i>	129	F	FG	G	15	Union at 1.8 m, girdling root, dbh measured at 0.5 m due to massive flaring union	Remove
262	Apple species	<i>Malus sp.</i>	38, 45	P	F	F	6	Union at ground - likely used to be 1 stem, heavy stem wound with heart rot, 10% crown dieback	Remove
263	Sugar Maple	<i>Acer saccharum</i>	50	G	FG	G	6	Union at base of crown, pruning wounds	Remove
264	White Spruce	<i>Picea glauca</i>	~55	P	PF	PF	4	Heavy cavity with heart rot, 50% crown dieback	Remove
265	Manitoba Maple	<i>Acer negundo</i>	28	FG	G	G	5	Lean	Remove
266	Silver Maple	<i>Acer saccharinum</i>	11, 11, 10, 10, 8, 8	F	FG	G	4	Union at ground	Remove
P267	Refer to Appendix A								Remove
P268	Refer to Appendix A								Remove
269	White Spruce	<i>Picea glauca</i>	19	G	G	G	3		Remove
270	White Spruce	<i>Picea glauca</i>	20	G	G	G	3		Remove
271	White Spruce	<i>Picea glauca</i>	16	G	G	G	3		Remove

Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	Comments	Recom.
272	Sugar Maple	<i>Acer saccharum</i>	89	F	FG	G	7	Union at 2 m with seam and stem wound with fruiting bodies	Remove
P273	Refer to Appendix A								Remove

Table Legend

DBH	Diameter at Breast Height (cm)
TI	Trunk Integrity (G, F, P)
CS	Crown Structure (G, F, P)
CV	Crown Vigor (G, F, P)
DL	Dripline (m)
Recom.	Recommendation (preserve/remove)
G	Good
F	Fair
P	Poor
EAB	Emerald Ash Borer

Appendix A – Tree Polygon Tally Sheets

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P29	Juniper species (<i>Juniperus sp.</i>)	1	3			1																									
	White Pine (<i>Pinus strobus</i>)				3			5	2		2																				
	Eastern White Cedar (<i>Thuja occidentalis</i>)	1	3					1																							
	Green Ash (<i>Fraxinus pennsylvanica</i>)		1																												
	White Spruce (<i>Picea glauca</i>)	3						1	1		3			1																	
	Scots Pine (<i>Pinus sylvestris</i>)					1																									
	Apple species (<i>Malus sp.</i>)	1																													
	Balsam Poplar (<i>Populus balsamifera</i>)	1																													

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P45	White Pine (<i>Pinus strobus</i>)							2			7	2	2				2														
	Scots Pine (<i>Pinus sylvestris</i>)	1																													
	White Spruce (<i>Picea glauca</i>)	2			1	2		7	1		1																				
	Manitoba Maple (<i>Acer negundo</i>)	1																													
	Black Cherry (<i>Prunus serotina</i>)					1																									
Totals:		4	0	0	1	3	0	9	1	0	8	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P46	White Pine (<i>Pinus strobus</i>)		1	1				2	1	1	4	1		6	2						1										
	White Spruce (<i>Picea glauca</i>)	2	1		5	1		12	1		1	1																			
	Black Cherry (<i>Prunus serotina</i>)				1																										
Totals:		2	2	1	6	1	0	14	2	1	5	2	0	6	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P47	White Pine (<i>Pinus strobus</i>)							3			6	1		1																	
	White Spruce (<i>Picea glauca</i>)		1					2	1																						
	Green Ash (<i>Fraxinus pennsylvanica</i>)					1																									
Totals:		0	1	0	0	1	0	5	1	0	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P51	White Spruce (<i>Picea glauca</i>)	2			3			7																							
	White Elm (<i>Ulmus americana</i>)	1																													
	Balsam Poplar (<i>Populus balsamifera</i>)	1																													
	Black Cherry (<i>Prunus serotina</i>)	2																													
	Black Walnut (<i>Juglans nigra</i>)	1																													
	Scots Pine (<i>Pinus sylvestris</i>)				1																										
	Blue Spruce (<i>Picea pungens</i>)				2																										
	Green Ash (<i>Fraxinus pennsylvanica</i>)		1																												
Totals:		7	1	0	6	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P52	White Pine (<i>Pinus strobus</i>)	24	3		4	1																									
	Scots Pine (<i>Pinus sylvestris</i>)	4						1																							
	White Spruce (<i>Picea glauca</i>)	3																													
Totals:		31	3	0	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P56	White Spruce (<i>Picea glauca</i>)	11																													
	White Pine (<i>Pinus strobus</i>)	1				1																									
Totals:		12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P65	Basswood (<i>Tilia americana</i>)		1																												
	White Elm (<i>Ulmus americana</i>)	2																													
	Manitoba Maple (<i>Acer negundo</i>)		5	1		3	2	1	3	1				1																	
	Apple species (<i>Malus</i> sp.)					1			1																						
Totals:		2	6	1	0	4	2	1	4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0				

Notes: Some Manitoba Maple and Basswood stems have failed, some neighbouring trees within the polygon

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P66	Black Cherry (<i>Prunus serotina</i>)				1																										
	Sugar Maple (<i>Acer saccharum</i>)	1	1		2			1																							
	Green Ash (<i>Fraxinus pennsylvanica</i>)	6	5	1		1	1					1																			
	Apple species (<i>Malus sp.</i>)	1	5			1			1																						
	White Elm (<i>Ulmus americana</i>)	6			1	1	1	1																							
	Mountain Ash species (<i>Sorbus sp.</i>)			2																											
Totals:		14	11	3	4	3	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Immature hedgerow situated between farm fields. One (1) retainable Butternut 1 cm in diameter also residing within hedgerow.

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P67	Butternut (<i>Juglans cinerea</i>)											1																			
	Eastern White Cedar (<i>Thuja occidentalis</i>)	1	1					2																							
	Black Cherry (<i>Prunus serotina</i>)		1	1		2																									
	Apple species (<i>Malus sp.</i>)					2	1		3																						
	Trembling Aspen (<i>Populus tremuloides</i>)	2	1		1				1	3																					
	Basswood (<i>Tilia americana</i>)		1			2		1	4			4																			
	Sugar Maple (<i>Acer saccharum</i>)				1						2																				
Totals:		3	4	1	2	6	1	1	10	3	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Hedgerow between farm fields. One (1) dead Butternut 36 cm in diameter and 1 additional Butternut in poor condition noted within this polygon.

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			120-129 cm			120-129 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P68	White Spruce (<i>Picea glauca</i>)	19			25	2		4																							
	Manitoba Maple (<i>Acer negundo</i>)					1																									
	Basswood (<i>Tilia americana</i>)				1												1														
Totals:		19	0	0	26	3	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Hedgerow situated on neighbouring property

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P69	White Elm (<i>Ulmus americana</i>)					1																									
	Green Ash (<i>Fraxinus pennsylvanica</i>)		1				1																								
	Willow species (<i>Salix sp.</i>)	7	1																												
	Manitoba Maple (<i>Acer negundo</i>)	5	1	1		1			1	1																					
	Apple species (<i>Malus sp.</i>)								1																						
	Black Cherry (<i>Prunus serotina</i>)								1																						
Totals:		12	3	1	0	2	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P70	Manitoba Maple (<i>Acer negundo</i>)		1	1																											
	Sugar Maple (<i>Acer saccharum</i>)	2			2						2	1								1	2										
	White Elm (<i>Ulmus americana</i>)	2																													
	Black Cherry (<i>Prunus serotina</i>)	10						2	1		1																				
	Green Ash (<i>Fraxinus pennsylvanica</i>)	8	30	14		1	3		1		1			2																	
	Black Cherry (<i>Prunus serotina</i>)	3	4	3																											
	Apple species (<i>Malus sp.</i>)		1			1																									
Totals:		25	36	18	2	2	3	2	2	0	2	1	2	0	0	2	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0

Notes: Dozens of dead Green Ash within hedgerow due to Emerald Ash Borer infestation

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P71	Manitoba Maple (<i>Acer negundo</i>)				1	1																									
	Green Ash (<i>Fraxinus pennsylvanica</i>)	4	23	9		1					1																				
	Black Cherry (<i>Prunus serotina</i>)					1		2																							
	Mountain Ash species (<i>Sorbus sp.</i>)	1	2	2		1	3			1																					
	Apple species (<i>Malus sp.</i>)			1																											
	Sugar Maple (<i>Acer saccharum</i>)	1			1						1			1																	
Totals:		6	25	12	2	4	3	0	2	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Approximately 60-70% of the trees reside on subject property

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P72	Mountain Ash species (<i>Sorbus sp.</i>)		1																												
	Sugar Maple (<i>Acer saccharum</i>)	3			1			2			2	2		1	1					1											
	Apple species (<i>Malus sp.</i>)		2																												
	Basswood (<i>Tilia americana</i>)	7	4	1	1			1	5			2																			
	Black Cherry (<i>Prunus serotina</i>)				2	1		3			1	1		1																	
	Green Ash (<i>Fraxinus pennsylvanica</i>)	3	5																												
	White Elm (<i>Ulmus americana</i>)										1																				
	Manitoba Maple (<i>Acer negundo</i>)	1																											1		
	Willow species (<i>Salix sp.</i>)		1																												
Totals:		14	13	1	4	1	0	6	5	0	4	5	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0

Notes: Approximately 80-90% of the tree in this hedgerow appear to reside on subject property

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P73	Green Ash (<i>Fraxinus pennsylvanica</i>)	3	13	7		6	2									1			1												
	Sugar Maple (<i>Acer saccharum</i>)							2			1	1																			
	White Elm (<i>Ulmus americana</i>)	5	1	1	2	1		1	1																						
	White Pine (<i>Pinus strobus</i>)								1																						
	Black Cherry (<i>Prunus serotina</i>)	2	1	1		1	1	2	1			1																			
	Mountain Ash species (<i>Sorbus sp.</i>)											1																			
	Apple species (<i>Malus sp.</i>)				1																										
Totals:		10	15	9	3	8	3	5	3	0	1	3	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Dozens of dead Ash trees in hedgerow

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P74	Black Cherry (<i>Prunus serotina</i>)	10	2		1	1	1	2				1																			
	Green Ash (<i>Fraxinus pennsylvanica</i>)		2	62		3	2			5																					
	Manitoba Maple (<i>Acer negundo</i>)		1			1																									
	Sugar Maple (<i>Acer saccharum</i>)	5	1		1		1		1		2	1		3			2														
	White Elm (<i>Ulmus americana</i>)				2																										
	Apple species (<i>Malus sp.</i>)	1	3																												
Totals:		16	9	62	4	5	4	2	1	5	2	2	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P75	Green Ash (<i>Fraxinus pennsylvanica</i>)											3								1											
	Eastern White Cedar (<i>Thuja occidentalis</i>)									1																					
	Manitoba Maple (<i>Acer negundo</i>)		1		1	1			2																						
	Apple species (<i>Malus sp.</i>)																														
Totals:		0	1	0	1	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Notes: Heavy grapevine competition

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P76	Green Ash (<i>Fraxinus pennsylvanica</i>)			3			1			4			1								1										
Totals:		0	0	3	0	0	1	0	0	4	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Notes: Emerald Ash Borer infestations

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P180	Eastern White Cedar (<i>Thuja occidentalis</i>)	9	9			1																									
	White Spruce (<i>Picea glauca</i>)	2	1		1												1														
	White Pine (<i>Pinus strobus</i>)				1			4			2																				
	Manitoba Maple (<i>Acer negundo</i>)	1	4																												
	Norway Spruce (<i>Picea abies</i>)				1			1			1			1																	
	Apple species (<i>Malus</i> sp.)						1																								
	Red Pine(<i>Pinus resinosa</i>)					2																									
	Green Ash (<i>Fraxinus pennsylvanica</i>)					1	1																								
Totals:		12	14	0	3	4	2	5	0	0	3	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0			

Notes: Hedgerow trees adjacent to laneway

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P181	Eastern White Cedar (<i>Thuja occidentalis</i>)		10		22	16	2	31	6		6	4		1	1		1														
	Green Ash (<i>Fraxinus pennsylvanica</i>)			1									1																		
	Sugar Maple (<i>Acer saccharum</i>)							1			1				1																
	Manitoba Maple (<i>Acer negundo</i>)						2								1																
Totals:		0	10	1	22	16	4	32	6	0	7	4	1	1	3	0	1	0	0	0	0	0	0	0	0	0	0				

Notes: Approximately 60% private tree and 40% public trees

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P208	Sugar Maple (Acer saccharum)	3			2	1	1	2	1	1		2		4	3		1	1		1											
	Green Ash (Fraxinus pennsylvanica)		2	1			1			2		2	3		1			1													
	Basswood (Tilia americana)	3	1						2						1			1													
	Black Cherry (Prunus serotina)		3			1			2		1																				
	Apple species (Malus sp.)						1																								
Totals:		6	6	1	2	2	3	2	5	3	1	4	3	4	5	0	1	3	0	1	0	0	0	0	0	0	0	0			

Notes: Dead Ash and Emerald Ash Borer present

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P209	Green Ash (<i>Fraxinus pennsylvanica</i>)	38	19	1		1																									
	Apple species (<i>Malus sp.</i>)		1																												
	Scots Pine (<i>Pinus sylvestris</i>)			1																											
	White Elm (<i>Ulmus americana</i>)	1																													
	White Pine (<i>Pinus strobus</i>)	1																													
Totals:		40	20	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P210	Sugar Maple (<i>Acer saccharum</i>)		1							1																					
	Green Ash (<i>Fraxinus pennsylvanica</i>)	5	6	6			1		1																						
	Black Cherry (<i>Prunus serotina</i>)										1																				
Totals:		5	7	6	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P218	Sugar Maple (Acer saccharum)			1					1	1	2				1								1		1						
	Green Ash (Fraxinus pennsylvanica)	1	2	3		1																									
	Black Cherry (Prunus serotina)										1			1																	
	Ironwood (Ostrya virginiana)	1	1					1	1			1																			
Totals:		2	3	3	0	1	0	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0			

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P			
P250	Manitoba Maple (<i>Acer negundo</i>)	7	5	2	4	2			4		1		1																		
	Willow species (<i>Salix sp.</i>)																1														
	Green Ash (<i>Fraxinus pennsylvanica</i>)								1																						
Totals:		7	5	2	4	2	0	0	5	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0				

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P267	White Elm (<i>Ulmus americana</i>)		1						1																						
	Black Cherry (<i>Prunus serotina</i>)		1			1		1	1																						
	Sugar Maple (<i>Acer saccharum</i>)	8	1		2			2			1	1		2		1				1											
	Basswood (<i>Tilia americana</i>)	2	4		1	2			3		1	2	1	1																	
	Trembling Aspen (<i>Populus tremuloides</i>)	3		1	1																										
	Green Ash (<i>Fraxinus pennsylvanica</i>)		2																												
Totals:		13	9	1	4	3	0	3	5	0	2	3	1	3	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P268	Sugar Maple (<i>Acer saccharum</i>)	2	1		3	2		2			2	2		3	1	1		1		1											
	Black Cherry (<i>Prunus serotina</i>)		1				1		1																						
	Green Ash (<i>Fraxinus pennsylvanica</i>)			2						1																					
	White Elm (<i>Ulmus americana</i>)		1																												
Totals:		2	3	2	3	2	1	2	1	1	2	2	0	3	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0

Notes:

Tree #	Species	10-19 cm			20-29 cm			30-39 cm			40-49 cm			50-59 cm			60-69 cm			70-79 cm			80-89 cm			90-99 cm			100-109 cm		
		G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P	G	F	P
P273	Sugar Maple (<i>Acer saccharum</i>)								1	1	2			2			1		1	2	1		1	2					1		
	Black Cherry (<i>Prunus serotina</i>)		3		1	2		2	2	3				1																	
	White Spruce (<i>Picea glauca</i>)	1	1																												
	Green Ash (<i>Fraxinus pennsylvanica</i>)	3		3		1	1			1																					
	White Elm (<i>Ulmus americana</i>)													1																	
Totals:		4	4	3	1	3	1	0	3	4	5	0	0	2	2	0	1	0	1	2	1	0	1	2	0	0	0	0	0	1	0

Notes: The majority of the trees appear to reside in the road allowance