

**Tree Inventory of the
Hamptons Development Project
Calgary, Alberta**

Prepared for:



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1. Introduction

Corvidae Environmental Consulting Inc. (Corvidae) completed a tree inventory of the proposed Quantum Place Hampton Hills Development Project (Hamptons). The project area is the Hampton Hills Golf Course, located in northwest of Calgary, Alberta. The property is bordered by Stoney Trail to the north, Shaganappi Trail to the east, Country Hills Boulevard to the south and Sarcee Trail to the west. The tree inventory considered all species of trees in the entire proposed development footprint. Tree species, approximate size and location were recorded to facilitate the creation of a Tree Inventory.

There are no trees located on land owned by The City of Calgary within 6 m of the proposed project. Any City owned area bordering the project area was not treed, therefore a Tree Protection Plan is not required.

2. Methods

The survey was completed by Corvidae on March 24th, 2016. The field survey was completed to get an accurate count of all tree species and record their locations. The project is located at two sites: Site A and Site B. All trees at each site were recorded individually and information about the species, approximate size (greater or less than 10 cm diameter at breast height [dbh]) and their general condition were documented. Each tree was recorded using a GPS and photos were taken.

Table 1: Tree Species and Codes

Common Name	Species Name	Abbreviation
Colorado Spruce	<i>Picea pungens</i>	CS
Schubert Chokecherry	<i>Prunus virginiana 'Schubert'</i>	SC
Balsam Poplar	<i>Populus balsamifera</i>	BP
Northwest Poplar	<i>Populus x jackii 'Northwest'</i>	NP
Poplar species	<i>Populus sp.</i>	PS
Laurel Willow	<i>Salix pentandra</i>	LW
Willow species	<i>Salix sp.</i>	WS
Siberian Larch	<i>Larix siberica</i>	SL
Amur Cherry	<i>Prunus maackii</i>	AC
Cherry species	<i>Prunus sp.</i>	CS
Elm	<i>Ulmus sp.</i>	ES
European White Birch/Weeping Birch	<i>Betula pendula</i>	WB
Mountain Ash	<i>Sorbus sp.</i>	MA
Bur Oak	<i>Quercus macrocarpa</i>	BO



3. Results

This report provides a total inventory of tree species and their location in the project area. Most trees appear to have been planted (likely from local nurseries), since there were no trees in the project area prior to the construction of the golf course (prior to 1991) (David Whitell, golf course builder and manager, personal communication, March 2016). Tree species varied in age, the majority of which were planted at the time of the golf course construction with additional trees planted at varying times since. Figures 1 and 2 show the locations of all of the trees in the project area. Details of the tree inventory are outlined in the corresponding tables underneath each figure. A total summary is provided of all trees in Section 4 (page 4).

Figure 1: Trees in the Hamptons Project Area – Site A



Table 2: Site A

Species	Total (>10cm dbh)	Total (<10cm dbh)	Standing Dead
Colorado Spruce	159	0	0
Schubert Chokecherry	84	12	0
Balsam Poplar	43	15	2
Northwest Poplar	20	2	0
Poplar species (Balsam or Northwest)	20	9	0
Laurel Willow	5	2	0
Willow species	0	35	0
Siberian Larch	8	6	0



Species	Total (>10cm dbh)	Total (<10cm dbh)	Standing Dead
Amur Cherry	3	0	0
Cherry species	0	9	0
Elm	6	0	0
European White Birch/Weeping Birch	6	0	0
Mountain Ash	0	1	0
Bur Oak	2	0	0
Total Trees (Site A)			449

Figure 2: Trees in the Hamptons Project Area – Site B

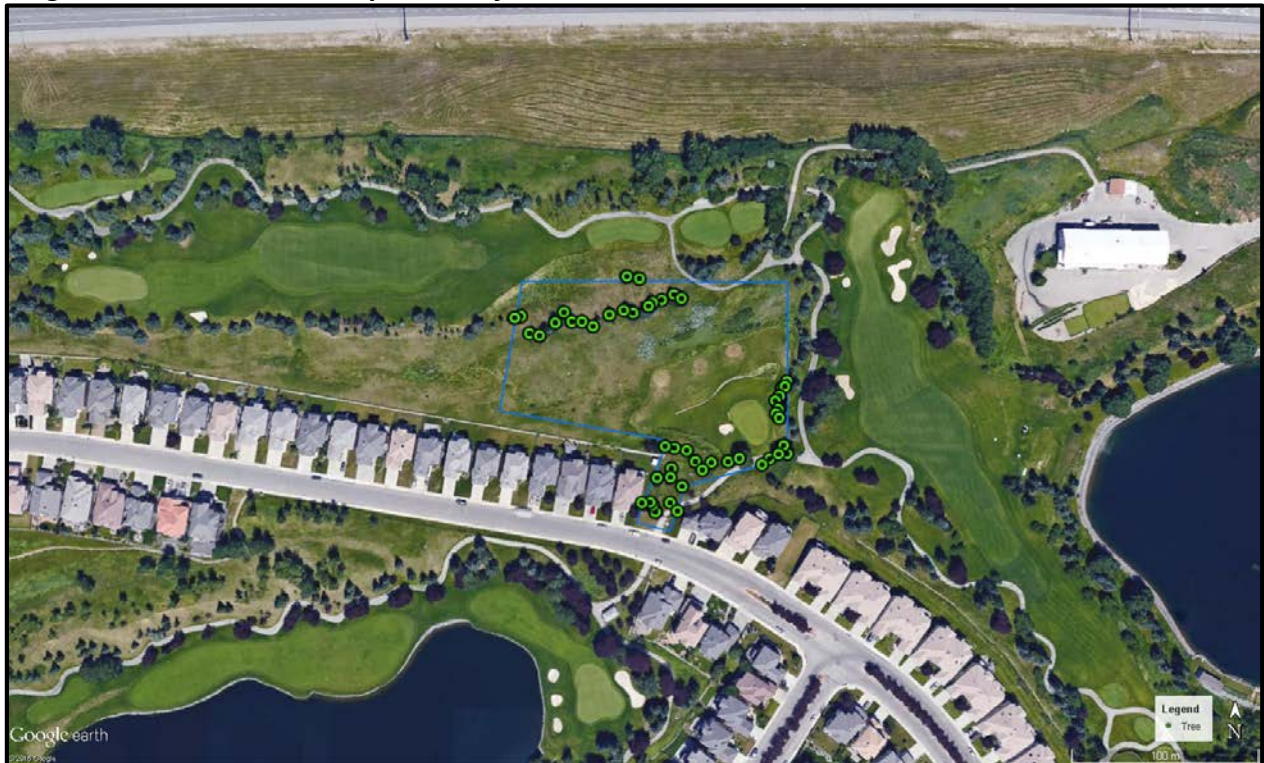


Table 3: Site B

Species	Total (>10cm dbh)	Total (<10cm dbh)	Standing Dead
Colorado Spruce	25	0	0
Schubert Chokecherry	12	0	0
Laurel Willow	5	5	0
Willow species	0	12	0
Total Trees (Site B)			59



4. Summary

Table 4: Summary of Trees Counted within the Hamptons Project Area*

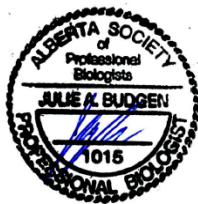
Site	Species													
	CS	SC	BP	NP	PS	LW	WS	SL	AC	CS	ES	WB	MA	BO
A	159	96	60	22	29	7	35	14	3	9	6	6	1	2
B	25	12	0	0	0	10	12	0	0	0	0	0	0	0
TOTAL	184	108	60	22	29	17	47	14	3	9	6	6	1	2

*This table includes the trees with <10 cm dbh and >10 cm dbh.

The survey was comprehensive, covering the entire project area and documenting every tree within Site A and B. Until a Storm Water Master Drainage plan is completed it is unknown which trees may be retained and which will be removed due to grading requirements. This is an estimate of trees to be removed and replaced due to their location in the project area footprint.

Please contact me with any questions or comments.

Best regards,



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