

## Chapter 8 Literature Cited

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Appendix A  
Example of Quantitative Plot Sample Data Collection  
Field Sheet

<b>Sampling Zone:</b>		Crew: CBCL	
<b>Plot # (Waypoint Name):</b>			
<b>Date Sampled:</b>	Mar-10-08	<b>Time Sampled:</b>	

<b>Cover Type:</b>	SW	HW	MW	
<b>Crown Closure (%):</b>		<b>Site Photos:</b>		<b>Average Overstorey Ht. (m):</b>
<b>% Cover Brush:</b>				
<b>% Cover Chips:</b>		<b>Stand Condition:</b>		
<b>% Cover Rock:</b>		<b>Witness:</b>	<b>Other:</b>	
<b>% CWD</b>		<b>Dist. Nat Regen:</b>	<b>Witness w/ Damage:</b>	
		<b>Dist. Planted:</b>		
		<b>Dist. PCT:</b>		

Comments:

Tree, Snag and CWD Diameter Distribution (Prism Tally , 2 BAF)																		
DBH (cm)	Softwood Species									Hardwood Species						Snag		Sub-Total
																TYPE	#	
<8																	0	
8																	0	
10																	0	
12																	0	
14																	0	
16																	0	
18																	0	
20																	0	
22																	0	
24																	0	
26																	0	
28																	0	
30																	0	
32																	0	
34																	0	
36																	0	
38																	0	
40																	0	
42																	0	
44																	0	
46																	0	
48																	0	
50																	0	
52																	0	
54																	0	
56																	0	
58																	0	
60																	0	
62																	0	
64																	0	
68																	0	
70																	0	
Mean Ht.																		
Sub-Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

(Mean Height of co-dominant trees); (CWD -originates from plot size >10cm)



# Appendix B

## Species List

March 2008 List of Species Identified in Point Pleasant Park

<i>Latin Name</i>	<i>Common Name</i>	<i>Code</i>	<i>Exotic</i>
<i>Abies balsamea</i>	Balsam Fir	BF	
<i>Acer pensylvanicum</i>	Sriped Maple	StM	
<i>Acer platanoides</i>	Sycamore Maple	SYM	*
<i>Acer platanoides</i>	Norway Maple	NM	*
<i>Acer rubrum</i>	Red Maple	RM	
<i>Acer saccharinum</i>	Silver Maple	SVM	*
<i>Aesculus hippocastanum</i>	Horse Chestnut	HC	*
<i>Alnus rugosa</i>	Speckled Alder		
<i>Amelanchier canadensis</i>	Serviceberry		
<i>Betula alleghaniensis</i>	Yellow Birch	YB	
<i>Betula papyrifera</i>	White Birch	WB	
<i>Betula populifolia</i>	Grey Birch	GB	
<i>Corylus cornuta</i>	Beaked Hazelnut		
<i>Dryopteris sp.</i>	wood fern		
<i>Fagus sylvatica</i>	European Beech	EB	*
<i>Fraxinus americana</i>	White Ash	WAS	
<i>Fraxinus europea</i>	European Ash	EA	*
<i>Gaultheria</i>	Wintergreen		
<i>Hamamelis virginiana</i>	Witch Hazel		
<i>Juniperus communis</i>	Common Juniper		
<i>Kalmia angustifolia</i>	Sheep Laurel		
<i>Larix laricina</i>	Tamarack (Larch)	TL	
<i>Ledum groenlandicum</i>	Labrador Tea		
<i>Lonicera canadensis</i>	Fly Honeysuckle		
<i>Nemopanthus mucronatus</i>	False Holly		
<i>Ostrya virginiana</i>	Ironwood	IW	
<i>Picea abies</i>	Norway Spruce	NS	*
<i>Picea glauca</i>	White Spruce	WS	
<i>Picea mariana</i>	Black Spruce	BS	
<i>Picea pungens</i>	Colorado Blue Spruce	CBS	*
<i>Picea rubens</i>	Red Spruce	RS	
<i>Picea sitchensis</i>	Sitka Spruce	SS	*
<i>Pinus nigra</i>	Austrian Pine	AP	*
<i>Pinus resinosa</i>	Red Pine	RP	
<i>Pinus strobus</i>	White Pine	WP	
<i>Pinus sylvestris</i>	Scots Pine	SP	*

<i>Latin Name</i>	<i>Common Name</i>	<i>Code</i>	<i>Exotic</i>
<i>Populus grandidentata</i>	Large-tooth Aspen	LTA	
<i>Populus tremuloides</i>	Trembling Aspen	TA	
<i>Prunus pensylvanica</i>	Pin Cherry	PC	
<i>Pseudotsuga menziesii</i>	Douglas Fir	DF	*
<i>Pteridium aquilinum</i>	Bracken Fern		
<i>Quercus robur</i>	English Oak	EO	*
<i>Quercus rubrum</i>	Red Oak	RO	
<i>Rhododendron sp.</i>	rhododendron (planted)		
<i>Ronia pseudoacacia</i>	Black Locust	BLO	*
<i>Rosa multiflora</i>	Multiflora Rose		
<i>Rubus canadensis</i>	Blackberry		
<i>Rubus idaeus</i>	Raspberry		
<i>Rubus pubescens</i>	Dwarf Raspberry		
<i>Salix spp.</i>	willow		
<i>Sambucus racemosa</i>	Red Elderberry		
<i>Solidago sp</i>	goldenrod		
<i>Sorbus americana</i>	Mountain Ash	MA	
<i>Spiraea alba</i>	spirea		
<i>Thuja sp.</i>	arborvitae (Planted)		
<i>Tilia cordata</i>	European linden	EL	*
<i>Ulmus americana</i>	American Elm	AE	
<i>Viburnum nudum</i>	Wild Raisin		

## Appendix C

### Dominant Tree Species by Stand (all height strata)

	Stand ID	Dominant Native Species	Dominant Exotic Species
1	0	RS,WP,RM,WS,RO,BF	
2	3	RS,WS,WP,BF,RM,YB	
3	4	RO,WS,RM,RS,WP,WB	SP,NM
4	5	BF,RS,RM,RO,EH,WS,WP,MA	
5	6		
6	7	RS,WS,WP,RM,YB	SP
7	8	WS,RO,WP,WB,RS,TA	LIN
8	10	PC,WP,RM,RS	SS
9	11		
10	13	WP,EH,RO,WS,RS,BF,WB	NM
11	14	RO,BF,WP,RM,EH,PC,GB,MA	SP
12	15	YB,NS,WP,WS,EH,RM,WP	NM,SP
13	16	RM,WP,RO,PC,WB,GB,RS,BF,MA	
14	18		
15	19	RM,WP,RO,BF,WS,GB,RS,MA	SP
16	20	RM,RS,WS,BF,GB,WP	
17	21		
18	22	EH,WB,WP,RS,MA	
19	24	RM,WP,RP,GB,PC	EO,BL,AP
20	25	EH,PC,RS,RM,MA,BF	
21	26	WS,WB,RM,RS,PC,NM,WP,MA,EH	SP
22	27	RM,RO,WP,RS,BF,GB	
23	28	WP,WB,WS,RO,RP,EH	EB,LIN
24	29	EH,WP,RS,NS,RM,BF,WB	NS
25	30	RS,NM,EO,HC,WP,EB,RO,SYM	SYM,EO,HC,NM
26	31	EH,WP,RS,RM,MA,RO,GB	SP,EO,EB
27	32	WP,RS,WB,GB,BF,RM,EH	
28	33	PC,WB,RM,RS,BF,WP,GB,YB	
29	34	EH,WP,RS,RM,MA,RO,GB	SP,EO,EB
30	35	EH,RS,WP,RM	NM
31	36	RM,RS,MA,WP,WB,PC,BF,EH	DF,SP,EB
32	37	WS,WB,RM,RS,PC,NM,WP,MA,EH	SP,DF
33	39	RM,WB,WP,GB,WS,RS	SP
34	40	SP,RS,PC,RM,MA	SP,NM
35	41	YB,RS,RM,EH,BF,GB,WP,WS	SP,EB
36	42	RS,GB,WP,PC	
37	43	RO,BF,WB,RM,RS,WP	EB,NS
38	45	GB,RS,WP,WB,BF,RM,RO,MA,PC	SP
39	46	EH,PC,RM,RO,EH,RS,BF	
40	47	WP,RM,RO,WS,RS,WB	EB
41	50	WB,GB,RS	SP
42	51	RO,WP,WS,BF,PC,GB,RM	SP
43	53	WP,RM,RO,WS,RS,WB	EB
44	54	WB,GB,RS	SP

	Stand ID	Dominant Native Species	Dominant Exotic Species
45	55	RS,RP,WP,AB,EH,WB,RM,YB	
46	56		
47	57	GB,BF,WP	SP
48	58	EB,RO,RS,WB,WP	EB
49	61		
50	62	GB,BF,WP	SP
51	63	RS,WP,RO	EB
52	64	GB,BF,WP	SP
53	66	WB,WS,RS,NS,NM	NS,NM
54	67	RO,NM	NM
55	68		
56	70	WB,RS,WS,WP	
57	71	WB,RS,WS,WP	
58	72	WB,RS,WS,WP	
59	73	WS,RS,YB,EH,RO,GB,BF	EB
60	75	RS,WS,NS,EH,RP,RO,WB	NS,SP
61	76	MA,WP,WS,RS,PC	NS,SP,LIN
62	77	EH,WP,RS,WB,RM,RO,BF	
63	78	RO,RM,RS,BS,EH	
64	79	SP,BF,WB,WP,RO,RM,BS,TA	SP,EB,LIN,SYM
65	80	WS,RS,SP,RO,WP,YB,TA	SP,EO,NM
66	81	RS,WP,PC,GB,WB	LIN,EO,SP,NM,NS
67	82	WS,RS,SP,RO,WP,YB,TA	SP,EO,NM
68	83	RO,BS,RS,RP,BF,WP	
69	85	RP,WP,NS	NS
70	86	RS,RO,WP,BF	
71	87	RS,RO,WP,BF,GB	
72	88	WP,RS,EH,RO,WB	
73	89	EH,WP,RS,RM,MA,RO,GB	SP,EO,EB
74	90	WP,BF,WS,WB,RM	NM,EB,SP
75	91	NM,WP,EO,RS,WB,NS	EO,NS,SP
76	92	GB,EH,WB,RS,WP,MA,BF	
77	93	YB,RM,RS,WB,WP,RO	
78	94	WP,WB,RO,RM,RP	EO
79	96	RS,NS,WP,RM,WB,EH	NS,EB
80	97	RM,WP,NM,RO	EO,DF
81	98	RS,RO,RM,GB,WP,BF,EB	EB,SP,EO
82	99	RS,RO,RM,GB,WP,BF,EB	EB,SP,EO
83	100	YB,RS,GB,WP,WB	EO,EB
84	101	RO,GB,WP,RS,BF,PC,RM	EB,SP
85	102	RS,EH,WB,GB,RM,PC,BF	
86	103	RO,WP,RS,WS,WB,RM,GB	
87	104	WP,SP,WB,WS,RS,EH	SP
88	105	RS,WB,GB,WP,RO,MA,EH	SP,EO
89	106	GB,RS,RP,RH,BF,WB,PC,BS,RO,WP	SP,EO
90	107	YB,RS,GB,WP,WB	EO,EB
91	108	WP,RP,RM,NM,PC	NM
92	109	WP,NM,RM	NM
93	110		

	<b>Stand ID</b>	<b>Dominant Native Species</b>	<b>Dominant Exotic Species</b>
94	111	WS,WB,NM,SVM,LIN,SYM	NM,LIN,SVM,EA
95	112	RS,WP,WB	
96	113	WB,WP,GB,RM	LIN,EB
97	114	WP,WA,WB,SYM,NM	SYM,NM,LIN
98	115	RM,WS,RS,BF,PC,GB,WP	LIN,EB,EO
99	116	RM,WP,RO,BF,WS,GB,RS,MA,RP	SP
100	117	RS,DF,RM,WB,BF,WP,GB	DF,SP
101	119	RO,WB,WS,WP,YB,PC	NS,CBS
102	120	MA,WP,WS,RS,PC	NS,SP,LIN
103	121	LIN,WB,NS,WP,NM,WS,RM	NM,LIN,NS
104	122	WB,WS,WP	NM,LIN,EB
105	123	WP,RS,RM,GB,BF	
106	2	BF,RS,RM,RO,EH,WS,WP,MA	
107	202	WP,RS,WB,YB,WS	
108	200	WS,WP,RO,BF,MA,RM,RS	NM

## Appendix D

### Wetlands Information

#### Wetlands and Vernal Pools Delineated in Point Pleasant Park

<i>Wetland #</i>	<i>Area (m<sup>2</sup>)</i>	<i>Description</i>	<i>Dominant Vegetation</i>
1	260	Shrub swamp / Vernal pool	RM, WB, Grasses & Sedges, Sphagnum,
2	47	Water filled hole	Soft Rush, Grasses & Sedges
3	3212	Shrub swamp & treed drainage corridor	RM, GB, RO, WP, YB, RS, Grasses & Sedges, Bullrush, Pussy Willow, Spiraea
4	86	Shrub swamp/ Vernal Pool	RM, WS, Sphagnum, Grasses & Sedges
5	157	Treed swamp / Vernal Pool	RM, RS, WP, Sensitive Fern
6	120	Swamp / Vernal pool	RM, BF, Soft Rush, Raspberry, Bullrush, Grasses & Sedges
7	125	Swamp / Vernal pool	RM, Bullrush, Grasses & Sedges
8	692	Treed swamp / Vernal Pool	RM, YB, RS
9	249	Shrub swamp/ Vernal Pool	RM, WP, RO, Pussy Willow, Spiraea, Blueberry, Grasses & Sedges
10	654	Treed swamp	RS, WP, WB, Sphagnum, Cinnamon Fern
11	148	Vernal Pool	WP, WB, SP, WS, Spiraea, Japanese Knotweed
12	268	Shrub swamp	WS, RM, RS, Spiraea, Alder, Sphagnum, Ferns, Grasses & Sedges
13	218	Treed swamp, Vernal Pool	RM, WS, Soft Rush, Willow, Grasses & Sedges
14	539	Drainage	RM, WS, BF, YB, Soft Rush, Sphagnum, Grasses & Sedges
15	93	Water filled hole	RM, Raspberries. Grasses & Sedges

## Appendix E

### Archaeology Information

<i>Feature ID</i>	<i>Feature Type</i>	<i>Construction</i>	<i>In Buffer</i>
1	Summer house	Composite	B41
2	Observation Post	Concrete	B41
3	indeterminate stone	stone	B42
4	well	Concrete	B40
5	"Holy Well"	composite	B40
6	Glade Quarry	stone	B22
7	Depression	Earth?	B23
8	well	dry-laid stone	B24
9	Depression	Earth	B24
10	fieldstone wall	dry-laid stone	B28
11	well	dry-laid stone	B21
12	fieldstone wall	dry-laid stone	B26
13	Depression	Earth?	B27
14	Bunker	Concrete	B13
15	Bunkers	Concrete	B20
16	Depression	Earth?	B25
17	depressions	earth	B25
18			B25
20	fieldstone wall	dry-laid stone	B18
21	well	Brick and Concrete	B17
22			B12
23	fieldstone wall	dry-laid stone	B12
24			B11
25	fieldstone wall	dry-laid stone	B14
26	fieldstone wall	dry-laid stone	B11
27			B11
28			B14
29			B14
30			B14
32	fieldstone wall	dry-laid stone	B10
33			B10
34	Washhouse	Brick	B15
35			B9
36			B19
37			B9
38			B9
39	Guardhouse	Earth?	B15
40	wall/foundation	dry-laid stone	B16
41			B8
42	fieldstone wall	dry-laid stone	B8
43	fieldstone wall	dry-laid stone	B8
44			B7
45			B7
46	fieldstone wall	dry-laid stone	B6
47	fieldstone wall	dry-laid stone	B7
48			B6
49			B1
50			B1
51			B5

<i>Feature ID</i>	<i>Feature Type</i>	<i>Construction</i>	<i>In Buffer</i>
52			B5
53			B5
54			B5
55			B1
56	Ditch	Earth	B1
57	house foundation	Earth?	B5
58			B1
59	Ridge	Earth?	B1
60	Depression	Earth?	B29
61	Old Laboratory	Stone and brick	B2
62	ridge	Earth?	B39
63	Well	Brick and Concrete	B38
64	fieldstone wall	dry-laid stone	B3
65			B3
66	Depression	Earth?	B3
67	Depression	Earth	B37
68			B3
69	fieldstone wall	dry-laid stone	B2
70			B3
71			B3
75			B3
76	1778 Entrenchment	Earth	B3
77			B4
78	Depression	Earth	B35
79	Walker Battery	Earth	B4
80			B4
81			B4
82			B33
83	Depression	Earth	B34
84	Depression	Earth	B31
85	Depression	Earth	B30
86	ridge	Earth	B32
87	Depression	Earth	B30
88	fieldstone wall	dry-laid stone	B36

## Appendix F

### Summary Work Plan Treatment Suitability Matrix

<b>Treatment</b>		<b>SOUTH FACING SLOPES</b>	
<b>Fill Planting</b>	<b>Area (ha)</b>	<b>Suitable Species for Fill Planting</b>	<b>Priority</b>
ET 5	4.95	TA,SM, RM,YB, SM,WAS, LTA, RO	1
ET 6	1.04	BAS,YB,RM, SM,WAS,TL,LTA	1
Total	5.99		
<b>Density Control</b>	<b>Area (ha)</b>	<b>Species to Favour</b>	
ET5	8.69	All broad-leaved species except NM, EO, EW, SyM,EL,BLO	2
ET6	0.63		2
ET9	0.02		2
ET9	0.75		2
Total	10.76		
<b>Treatment</b>		<b>LEVEL AND GENTLE SLOPES</b>	
<b>Fill Planting</b>	<b>Area (ha)</b>	<b>Suitable Species for Fill Planting</b>	<b>Priority</b>
ET 5	2.83	EH,WP,TL , TA,SM,EH,RM, YB,SM, WAS,LTA,RO	1
ET 6	0.91	EH,WP,TL,BAS, YB,RM,SM, WAS,LTA	1
ET 8	0.06	EH,WP,TL, YB,SM,RM,SM, WAS,TA,RO,BAS,IW	1
Total			
<b>Density Control</b>	<b>Area (ha)</b>	<b>Species to Favour</b>	
ET5	9.57	All needle-leaved species except AP,SP,NS,DF	2
ET6	1.82		2
ET9	0.12		2
Total	11.49		
<b>Treatment</b>		<b>CONTAINER TERMINAL SCREEN</b>	
<b>Fill Planting</b>	<b>Area (ha)</b>	<b>Suitable Species for Fill Planting</b>	<b>Priority</b>
ET 5	0.53	RP,WP,JP,EH	1
Total	0.53		
<b>Density Control</b>	<b>Area (ha)</b>	<b>Species to Favour</b>	
ET5	0.86	All needle-leaved species except AP,SP,NS,DF	2
ET6	0.19		2
Total	1.05		
<b>Treatment</b>		<b>IMMATURE WITNESS GROVES</b>	
<b>Fill Planting &amp; Density Control</b>	<b>Area (ha)</b>	<b>None needed</b>	<b>Priority</b>
<b>Treatment</b>		<b>MATURE WITNESS GROVES</b>	
<b>Fill Planting &amp; Density Control</b>	<b>Area (ha)</b>	<b>None needed</b>	<b>Priority</b>