

APPENDIX IV - BASAL AREA FOR OVERSTORY SPECIES BY STAND
(stands and species are arranged according to their
positions on the first DCA axis)

SPECIES	STANDS			
	013	048	015	010
<i>Taxus canadensis</i>	0.00	0.00	0.00	0.00
<i>Betula lutea</i>	0.00	0.00	0.00	0.00
<i>Prunus serotina</i>	0.00	0.00	0.00	0.00
<i>Acer saccharum</i>	0.00	0.00	0.00	0.00
<i>Tilia americana</i>	0.00	0.00	0.00	0.00
<i>Fraxinus nigra</i>	0.00	0.00	0.00	0.00
<i>Fagus grandifolia</i>	0.00	0.00	0.00	0.00
<i>Castor virginiana</i>	0.00	0.00	0.00	0.00
<i>Thuja occidentalis</i>	0.00	0.00	0.00	0.00
<i>Acer pennsylvanicum</i>	0.00	0.00	0.00	0.00
<i>Abies balsamea</i>	0.23	0.00	0.00	0.00
<i>Acer rubrum</i>	0.00	0.00	0.00	0.00
<i>Betula papyrifera</i>	0.00	0.00	0.00	0.00
<i>Picea glauca</i>	0.21	0.27	0.03	0.40
<i>Quercus rubra</i>	0.00	0.00	0.00	0.00
<i>Alnus rugosa</i>	0.00	0.00	0.00	0.00
<i>Coccolus grandidentata</i>	0.00	0.00	0.00	0.00
<i>Pinus strobus</i>	11.04	0.94	0.06	2.20
<i>Poculus tremuloides</i>	2.35	0.00	7.14	0.00
<i>Acer spicatum</i>	0.00	0.00	0.00	0.00
<i>Picea mariana</i>	0.24	0.00	0.27	0.00
<i>Pinus resinosa</i>	28.17	28.83	0.00	4.43
<i>Pinus banksiana</i>	0.00	7.47	18.28	15.35

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APPENDIX V - SOIL PROFILE DESCRIPTORS (CM)

<u>Stand</u>	<u>LFH</u>	<u>A1</u>	<u>A2</u>	<u>A</u>	<u>B</u>	<u>DC *</u>	<u>DM *</u>
001	2.75	5.08	2.44	07.51	53.46	59.69	60.02
002	6.14	1.48	7.84	09.31	64.35	72.39	73.29
003	4.45	3.81	2.87	06.67	47.32	55.25	60.96
004	7.20	2.33	5.72	08.05	51.01	60.11	68.58
005	6.99	4.02	1.91	05.93	46.99	53.34	58.42
006	5.93	3.60	3.07	06.66	47.41	53.34	58.88
007	6.77	1.91	5.35	07.25	53.18	67.73	67.73
008	6.99	3.60	9.74	13.34	39.16	59.27	59.69
009	5.50	1.69	2.86	04.55	68.26	73.24	74.02
010	5.29	1.06	2.55	03.60	66.47	70.28	73.66
011	5.72	2.33	7.62	09.95	63.71	73.66	76.20
012	3.81	1.69	2.22	03.91	51.97	55.88	58.42
013	4.66	1.06	3.39	04.45	48.89	52.49	63.50
014	5.50	0.64	3.92	04.56	45.83	50.38	51.22
015	5.29	2.12	1.91	04.02	36.63	43.87	43.87
016	3.39	1.06	5.61	06.67	48.47	55.88	55.88
017	4.02	1.06	6.19	07.25	43.87	48.26	48.26
018	4.02	2.33	3.92	06.24	46.26	52.49	52.49
019	5.50	1.91	4.13	06.04	37.44	40.64	40.64
020	5.08	0.85	3.71	04.56	47.10	51.65	54.19
021	5.29	1.27	4.24	05.50	49.11	53.34	53.34
022	5.72	1.27	3.71	05.30	33.13	39.37	48.68
023	5.50	0.64	5.61	06.25	41.59	55.88	56.30
024	2.22	0.95	7.31	08.26	53.35	61.60	66.04
025	3.81	1.69	5.08	06.76	45.72	52.49	54.19
026	5.50	1.06	5.30	06.35	51.44	58.00	58.42
027	3.60	0.85	4.56	05.40	53.03	58.42	61.81
028	4.66	1.06	4.87	05.92	55.46	61.38	65.19
029	4.45	0.85	3.70	04.55	51.33	55.88	59.27
031	4.02	1.27	5.08	06.35	46.57	52.92	57.79
032	5.50	1.17	5.08	06.25	50.06	56.30	59.27
033	2.94	1.06	4.77	05.82	58.45	59.27	63.50
034	4.45	1.91	6.78	08.68	45.31	53.34	64.35
035	5.50	2.33	2.54	05.29	37.89	42.33	45.72
036	4.45	1.27	6.35	07.62	44.45	52.07	57.15
037	5.08	2.54	7.73	10.27	46.46	55.88	65.19
038	2.96	1.27	3.07	04.33	37.36	56.73	56.73
039	3.49	0.85	2.81	03.65	50.49	50.00	57.15
040	4.23	1.27	7.94	09.21	39.06	48.26	58.42
041	5.29	3.81	2.54	06.35	40.22	46.14	46.14
042	4.66	1.91	5.41	07.31	49.01	56.30	56.30
043	5.72	2.75	7.20	09.94	45.94	55.88	55.88
044	4.45	1.48	2.81	04.28	39.79	46.57	46.57
045	5.93	2.17	5.08	07.24	38.52	45.72	45.72
046	4.66	2.17	5.32	07.48	37.07	44.45	50.80
047	4.23	3.39	1.27	04.66	38.10	46.57	48.26
048	5.72	3.18	3.39	06.56	39.07	45.72	47.41
049	4.02	1.48	2.76	04.23	42.34	46.57	46.57

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APPENDIX V - SOIL PROFILE DESCRIPTORS (CM)

Stand	LFH	A1	A2	A	B	DC *	DM *
001	2.75	5.08	2.44	07.51	53.46	59.69	60.02
002	6.14	1.48	7.84	09.31	64.35	72.39	73.29
003	4.45	3.81	2.87	06.67	47.32	55.25	60.96
004	7.20	2.33	5.72	08.05	51.01	60.11	68.58
005	6.99	4.02	1.91	05.93	46.99	53.34	58.42
006	5.93	3.60	3.07	06.66	47.41	53.34	58.88
007	6.77	1.91	5.35	07.25	53.18	67.73	67.73
008	6.99	3.60	9.74	13.34	39.16	59.27	59.69
009	5.50	1.69	2.86	04.55	68.26	73.24	74.02
010	5.29	1.06	2.55	03.60	66.47	70.28	73.66
011	5.72	2.33	7.62	09.95	63.71	73.66	76.20
012	3.81	1.69	2.22	03.91	51.97	55.88	58.42
013	4.66	1.06	3.39	04.45	48.89	52.49	63.50
014	5.50	0.64	3.92	04.56	45.83	50.38	51.22
015	5.29	2.12	1.91	04.02	36.63	43.87	43.87
016	3.39	1.06	5.61	06.67	48.47	55.88	55.88
017	4.02	1.06	6.19	07.25	43.87	48.26	48.26
018	4.02	2.33	3.92	06.24	46.26	52.49	52.49
019	5.50	1.91	4.13	06.04	37.44	40.64	40.64
020	5.08	0.85	3.71	04.56	47.10	51.65	54.19
021	5.29	1.27	4.24	05.50	49.11	53.34	53.34
022	5.72	1.27	3.71	05.30	33.13	39.37	48.68
023	5.50	0.64	5.61	06.25	41.59	55.88	56.30
024	2.22	0.95	7.31	08.26	53.35	61.60	66.04
025	3.81	1.69	5.08	06.76	45.72	52.49	54.19
026	5.50	1.06	5.30	06.35	51.44	58.00	58.42
027	3.60	0.85	4.56	05.40	53.03	58.42	61.81
028	4.66	1.06	4.87	05.92	55.46	61.38	65.19
029	4.45	0.85	3.70	04.55	51.33	55.88	59.27
031	4.02	1.27	5.08	06.35	46.57	52.92	57.79
032	5.50	1.17	5.08	06.25	50.06	56.30	59.27
033	2.94	1.06	4.77	05.82	58.45	59.27	63.50
034	4.45	1.91	6.78	08.68	45.31	53.34	64.35
035	5.50	2.33	2.54	05.29	37.89	42.33	45.72
036	4.45	1.27	6.35	07.62	44.45	52.07	57.15
037	5.08	2.54	7.73	10.27	46.46	55.88	65.19
038	2.96	1.27	3.07	04.33	37.36	56.73	56.73
039	3.49	0.85	2.81	03.65	50.49	50.00	57.15
040	4.23	1.27	7.94	09.21	39.06	48.26	58.42
041	5.29	3.81	2.54	06.35	40.22	46.14	46.14
042	4.66	1.91	5.41	07.31	49.01	56.30	56.30
043	5.72	2.75	7.20	09.94	45.94	55.88	55.88
044	4.45	1.48	2.81	04.28	39.79	46.57	46.57
045	5.93	2.17	5.08	07.24	38.52	45.72	45.72
046	4.66	2.17	5.32	07.48	37.07	44.45	50.80
047	4.23	3.39	1.27	04.66	38.10	46.57	48.26
048	5.72	3.18	3.39	06.56	39.07	45.72	47.41
049	4.02	1.48	2.76	04.23	42.34	46.57	46.57

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050	3.81	2.54	6.78	09.31	35.56	44.03	44.03
051	2.96	2.12	5.19	07.30	37.58	45.30	45.30
052	3.81	2.96	3.39	06.35	34.29	40.64	40.64
053	3.81	3.18	1.91	05.09	45.72	50.80	50.80
054	5.08	3.60	3.17	06.77	23.64	45.72	45.72
055	4.45	2.96	1.91	04.87	40.85	45.72	46.99
056	3.81	1.27	2.44	03.71	39.48	45.72	45.72
057	5.50	2.12	2.54	04.67	39.37	48.26	48.26
058	5.08	2.75	7.20	09.94	38.32	52.49	52.49
059	4.66	2.54	3.60	06.14	38.10	50.84	50.84
060	4.02	2.33	3.50	05.83	37.15	47.41	47.41
061	5.08	2.17	4.45	06.61	37.90	46.14	46.14
062	3.81	2.12	3.07	05.19	49.85	51.65	51.65
063	6.35	1.27	4.02	05.29	42.96	48.26	49.11
064	4.02	1.69	4.56	06.24	32.71	41.49	43.18
065	5.72	1.48	5.51	06.98	43.82	50.80	50.80
066	6.14	2.17	5.19	07.36	33.34	42.33	43.18
067	3.81	1.27	2.54	03.81	37.67	45.72	47.41
068	2.96	2.75	4.23	06.98	37.88	44.87	49.53
069	9.95	2.54	8.26	10.79	34.93	45.72	45.72
070	1.69	2.54	5.62	08.15	49.44	59.27	60.54
071	5.08	1.91	4.87	06.78	50.80	57.57	57.57
072	4.45	1.91	7.52	09.42	35.04	48.68	54.19
073	3.81	1.27	7.20	08.46	49.95	58.42	58.42
074	5.50	1.27	9.52	10.79	44.24	55.03	55.03
075	5.93	1.48	7.42	08.89	36.83	44.03	45.72
076	4.02	2.12	7.41	09.53	35.35	44.87	44.87
077	4.23	5.29	6.25	11.53	38.43	49.95	49.95
078	4.23	1.91	6.57	08.47	37.68	47.84	47.84
079	5.50	2.33	5.93	08.26	44.66	50.38	50.38
080	5.50	2.54	5.71	08.25	41.70	49.95	49.95
081	4.66	1.91	5.51	07.41	43.40	50.80	50.80
082	5.29	4.23	3.07	07.30	37.57	53.34	55.88
083	4.66	5.50	3.18	07.19	42.12	50.80	52.49
084	5.08	3.81	3.50	07.30	40.55	47.84	50.38
085	1.96	1.48	4.24	05.71	40.01	49.53	53.34
086	5.93	2.54	3.18	05.72	47.62	53.34	55.03
087	5.93	0.85	5.08	05.93	43.61	51.22	51.22
088	5.08	2.12	7.52	09.63	41.18	50.80	52.49
089	4.66	2.12	4.02	08.26	46.34	52.49	52.49
090	3.81	1.91	4.24	06.14	39.16	45.30	46.99
091	4.66	2.12	4.87	06.99	47.20	54.19	54.19
092	4.23	2.54	4.98	07.51	44.78	52.07	52.07
093	4.23	1.91	4.02	04.83	41.91	47.87	51.22
094	5.70	1.91	9.94	11.85	39.37	53.34	53.34
095	5.50	2.33	6.99	07.70	31.73	46.57	48.26
096	4.45	1.48	7.20	07.19	45.52	54.19	54.19
097	4.23	2.12	6.98	07.48	35.77	44.87	44.87
098	6.35	3.81	5.62	09.42	40.11	49.53	49.53
099	4.87	1.91	5.08	06.99	30.51	45.09	45.09
100	4.66	2.33	4.77	07.10	41.81	48.68	48.68
101	4.45	1.27	3.18	04.45	38.74	47.63	47.63

* depth from mineral soil surface, all others are thickness measurements

APPENDIX VI - PHYSIOGRAPHY, CLIMATE, FIRE

<u>Stand No.</u>	<u>Elev (m)</u>	<u>Lat *</u>	<u>Long *</u>	<u>Prcp (mm)</u>	<u>Temp (C)</u>	<u>Light Index</u>	<u>Fire Index</u>
001	463	06	01	907	18.6	13.8	.111
002	458	07	04	900	18.6	13.8	.082
003	493	06	02	904	18.6	13.8	.074
004	458	06	04	901	18.6	13.8	.078
005	473	06	03	903	18.6	13.8	.072
006	478	07	01	906	18.6	13.8	.084
007	458	07	04	898	18.6	15.0	.083
008	463	07	03	901	18.6	15.0	.105
009	183	14	89	734	19.3	25.0	.196
010	168	15	89	742	19.3	41.0	.207
011	234	15	87	742	19.3	21.7	.160
012	229	14	87	735	19.3	21.7	.170
013	249	14	82	743	19.2	25.0	.205
014	259	19	60	819	18.9	23.3	.136
015	259	20	58	821	18.9	43.3	.219
016	325	21	55	824	18.9	11.7	.123
017	290	20	48	828	18.8	24.3	.178
018	305	19	47	828	18.8	16.7	.129
019	320	19	44	831	18.8	13.3	.219
020	305	20	51	826	18.8	16.7	.138
021	285	21	54	825	18.9	23.3	.141
022	264	13	78	743	19.1	21.7	.142
023	285	13	80	740	19.1	21.7	.128
024	274	17	75	784	19.0	25.0	.149
025	427	18	32	845	18.7	05.0	.103
026	412	18	31	846	18.7	06.7	.122
027	402	18	33	843	18.7	18.3	.125
028	422	16	29	848	18.7	05.0	.104
029	427	16	28	850	18.7	08.3	.114
031	427	17	38	836	18.7	21.7	.129
032	427	18	36	839	18.7	11.7	.080
033	397	17	31	845	18.7	21.7	.122
034	259	14	85	739	19.3	20.0	.161
035	229	15	78	760	19.1	25.0	.156
036	259	11	79	725	19.1	08.3	.100
037	259	14	80	748	19.1	10.0	.086
038	229	12	77	738	19.0	21.7	.129
039	336	12	77	738	19.0	23.3	.143
040	229	13	76	747	19.0	15.0	.124
041	259	17	64	813	18.9	25.0	.129
042	274	18	06	814	18.9	21.7	.151
043	213	18	62	816	18.9	25.0	.159
044	229	20	62	819	18.9	21.7	.157
045	335	14	69	775	18.9	11.7	.091
046	305	17	07	813	18.9	13.3	.135
047	229	16	59	816	18.8	25.0	.146
048	213	18	61	817	18.9	38.3	.225
049	351	10	67	750	18.8	18.3	.122

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050	305	11	67	757	18.8	28.3	.135
051	259	15	71	777	18.9	26.7	.142
052	229	17	60	798	19.0	28.3	.199
053	366	23	56	826	18.9	08.3	.115
054	381	23	55	827	18.9	18.3	.180
055	213	18	60	818	18.9	33.3	.153
056	229	19	61	818	18.9	25.0	.132
057	335	12	69	760	18.9	28.3	.162
058	412	18	42	833	18.8	15.0	.092
059	427	18	32	845	18.7	35.0	.152
060	305	20	45	831	18.8	38.3	.151
061	396	15	29	848	18.7	10.0	.148
062	427	13	40	829	18.7	18.3	.080
063	366	15	42	829	18.7	35.0	.162
064	417	13	21	863	18.6	31.7	.134
065	427	15	29	849	18.7	10.0	.102
066	396	17	30	847	18.7	20.0	.086
067	396	17	29	849	18.7	20.0	.090
068	396	10	28	848	18.6	20.0	.228
069	412	09	28	848	18.6	11.7	.111
070	427	08	26	852	18.6	21.7	.086
071	412	09	29	846	18.6	16.7	.076
072	396	10	30	844	18.6	11.7	.084
073	412	10	25	855	18.6	20.0	.142
074	412	10	24	857	18.6	16.7	.089
075	412	11	24	858	18.6	13.3	.106
076	412	11	24	857	18.6	15.0	.080
077	417	11	23	859	18.6	18.3	.098
078	305	20	53	825	18.8	28.3	.138
079	457	06	08	893	18.6	11.7	.085
080	457	06	09	891	18.6	13.3	.112
081	442	05	11	889	18.6	21.7	.092
082	473	05	12	887	18.5	20.0	.094
083	473	05	09	893	18.6	08.3	.081
084	473	07	17	874	18.5	18.3	.077
085	462	07	16	876	18.5	18.3	.092
086	457	07	16	876	18.5	18.3	.082
087	457	05	08	895	18.6	15.0	.147
088	457	03	12	888	18.5	11.7	.106
089	457	03	12	888	18.5	13.3	.095
090	457	03	09	895	18.5	11.7	.078
091	457	01	05	907	18.5	10.0	.147
092	407	23	35	843	18.8	11.7	.077
093	335	21	40	837	18.8	15.0	.116
094	320	21	36	841	18.8	05.0	.110
095	320	22	36	841	18.8	16.7	.163
096	346	22	32	846	18.8	06.7	.077
097	396	24	37	842	18.8	13.3	.095
098	320	20	34	843	18.8	18.3	.149
099	427	14	23	859	18.6	26.7	.140
100	351	23	56	826	18.9	26.7	.148
101	198	22	76	816	19.1	30.0	.162

* converted to cartesian coordinate system

APPENDIX VII - REAL AND INTERPOLATED PRECIPITATION VALUES FOR
39 WEATHER STATIONS IN THE ALGONQUIN REGION

<u>Weather Station</u>	<u>Precipitation (in)</u>	
	<u>Real</u>	<u>Interpolated</u>
Algonquin Park	32.68	36.45
Algonquin Park, West	36.10	40.46
Bancroft	31.90	34.64
Bark Lake Dam	28.10	30.95
Barrett Chute	29.31	31.28
Beatrice	40.71	42.28
Big Chute	39.20	38.72
Bingham Chute	35.33	35.21
Burk's Falls	37.83	41.96
Chalk River AEC	30.88	31.98
Chenau	28.00	31.23
Coe Hill	33.73	35.72
Combermere	28.45	31.35
Des Joachims	32.23	34.00
Dorset	36.50	43.39
Dwight	36.24	45.63
Foymount	28.54	29.72
Haliburton A	35.09	38.24
Huntsville MOE	38.18	38.22
Killaloe	25.54	26.55
Lake Traverse	31.75	29.04
La Cave	33.60	34.89
Madawaska	27.78	31.46
Magnetawan	37.74	40.36
Milford Bay	40.96	42.09
Minden	35.89	38.22
Muskoka A	38.91	39.73
North Bay	34.82	36.61
North Bay A	34.66	36.57
Pembroke E. M.	28.25	30.33
Petawawa A	29.36	31.50
Purdy	28.86	32.57
PNF	30.18	32.35
Ragged Rapids	40.32	40.55
Renfrew	27.79	30.72
Scotia	37.58	39.93
South Falls	39.46	39.47
Utterson Ontario Hydro	40.62	43.46
West Guilford	35.87	46.89

APPENDIX VIII - REAL AND INTERPOLATED TEMPERATURE VALUES FOR
34 WEATHER STATIONS IN THE ALGONQUIN REGION

Station	Temperature (C)	
	Real	Interpolated
Algonquin Park	18.3	18.4
Algonquin Park West	17.5	18.6
Bancroft	18.6	18.8
Bark Lake Dam	18.5	18.8
Beatrice	18.2	18.9
Big Chute	20.3	19.4
Bingham Chute	18.6	18.9
Burk's Falls	17.4	18.8
Chalk River AEC	19.6	19.7
Chenaux	20.7	20.0
Coe Hill	17.9	19.1
Combermere	18.7	18.8
Des Joachims	19.4	19.3
Dorset	17.7	18.7
Dwight	17.3	18.5
Haliburton A	18.4	18.8
Huntsville MOE	19.1	18.7
Killaloe	18.5	19.3
Lake Traverse	18.6	18.9
La Cave	18.3	19.0
Madawaska	18.1	18.4
Magnetawan	17.9	18.9
Milford Bay	18.5	19.0
Minden	18.1	18.4
Muskoka A	18.3	19.0
North Bay	19.4	19.0
North Bay A	18.3	18.9
Pembroke E. M.	20.2	20.0
Petawawa A	18.7	19.8
PNF	19.0	19.7
Ragged Rapids	18.8	19.3
Renfrew	19.7	20.0
Utterson Ontario Hydro	18.0	18.8
West Guilford	18.2	18.7

APPENDIX IX - SOIL TEXTURE

<u>Stand</u>	<u>Sand (%)</u>	<u>Silt (%)</u>	<u>Clay (%)</u>	<u>OM (%)</u>
001	42.4	53.0	04.6	07.8
002	53.0	41.4	05.6	05.8
003	39.8	55.6	04.6	14.0,
004	54.8	41.1	04.1	06.7
005	59.0	36.9	04.1	11.2
006	43.4	53.0	03.6	12.0
007	48.0	47.4	04.6	07.5
008	40.8	55.3	03.9	10.0
009	74.0	20.4	05.6	03.0
010	86.5	09.4	04.1	03.3
011	50.2	44.2	05.6	02.5
012	57.0	36.9	06.1	03.8
013	76.4	18.0	05.6	04.0
014	71.0	23.9	05.1	03.5
015	84.5	10.4	05.1	02.3
016	56.8	35.2	08.0	04.5
017	70.8	24.2	05.0	03.0
018	65.3	28.5	06.2	05.5
019	71.7	23.6	04.7	03.2
020	73.6	20.4	06.0	04.5
021	52.5	39.7	07.8	06.0
022	54.3	39.4	06.0	07.0
023	52.4	40.4	07.2	04.0
024	55.1	36.6	08.3	04.3
025	56.9	35.1	08.0	06.2
026	39.1	50.9	10.1	05.7
027	60.8	32.9	06.3	04.8
028	50.8	42.4	06.8	06.0
029	39.3	54.9	05.8	06.7
031	67.4	25.4	07.2	04.2
032	54.2	40.2	05.6	07.0
033	58.0	33.6	08.4	06.0
034	47.0	45.8	07.2	05.0
035	77.0	17.6	05.4	04.8
036	56.6	34.8	08.6	05.8
037	60.5	31.9	07.6	06.0
038	38.0	49.9	12.1	07.3
039	40.8	49.0	10.2	09.5
040	67.4	27.0	05.6	03.2
041	67.0	30.2	02.8	04.6
042	61.7	32.5	05.8	06.8
043	71.6	21.9	06.5	06.7
044	39.0	26.1	04.9	04.2
045	65.0	30.0	05.0	05.4
046	56.5	36.7	06.8	05.2
047	56.5	36.5	07.0	04.9
048	83.2	11.1	05.7	03.0
049	62.4	30.6	07.0	03.8

050	67.0	28.2	04.8	03.4
051	52.5	40.7	06.8	04.2
052	84.0	11.0	05.0	03.5
053	49.0	45.0	06.0	06.3
054	50.0	45.0	05.0	09.2
055	63.3	30.3	06.4	08.4
056	78.4	17.8	03.8	03.3
057	55.7	35.8	08.6	06.8
058	63.5	30.0	06.5	06.2
059	54.5	38.7	06.8	10.4
060	63.0	29.0	08.0	06.1
061	45.6	46.4	08.0	06.9
062	50.5	44.3	05.2	07.6
063	63.2	34.2	02.6	03.2
064	52.7	42.2	05.2	05.0
065	56.5	37.7	05.8	12.0
066	53.5	38.5	08.0	05.5
067	48.5	47.2	04.3	09.4
068	56.5	37.8	05.7	05.6
069	52.8	40.0	07.2	06.2
070	77.7	18.6	03.7	05.5
071	42.1	52.9	05.0	07.9
072	50.8	42.6	06.6	08.7
073	43.5	49.9	06.6	06.5
074	47.4	46.0	06.6	07.1
075	31.7	53.9	14.4	07.3
076	46.7	45.3	08.0	02.0
077	49.4	42.6	08.0	12.1
078	54.1	37.2	08.7	03.9
079	57.0	39.3	03.7	10.8
080	53.4	39.3	07.3	05.9
081	68.4	27.6	04.0	07.5
082	59.8	36.5	03.7	22.0
083	42.7	49.3	08.0	08.8
084	57.1	37.8	05.2	12.3
085	52.0	44.3	03.7	11.3
086	56.2	40.0	03.7	15.4
087	64.1	29.3	06.6	07.5
088	64.1	29.3	06.6	08.6
089	52.0	42.9	05.2	13.2
090	56.7	37.9	05.4	09.1
091	60.7	34.9	04.4	11.7
092	58.0	34.2	07.9	08.5
093	57.7	35.8	06.6	05.1
094	63.4	28.6	08.0	04.9
095	85.8	10.3	03.9	03.4
096	63.5	31.5	05.0	06.6
097	41.4	50.6	08.0	05.3
098	60.9	31.9	07.2	06.7
099	69.8	22.9	07.3	03.3
100	77.1	17.7	05.2	03.1
101	66.4	26.8	06.9	07.3

APPENDIX X - SOIL CHEMISTRY

<u>Stand No.</u>	<u>PH</u>	<u>TOTN (%)</u>	<u>P (ppm)</u>	<u>K (ppm)</u>	<u>CA (ppm)</u>	<u>MG (ppm)</u>	<u>CN (ratio)</u>
001	4.4	0.22	10	36	0225	025	035.5
002	4.5	0.19	11	40	0225	027	030.5
003	4.4	0.26	08	36	0225	027	053.8
004	4.5	0.29	10	44	0350	031	023.1
005	4.3	0.35	07	56	0325	033	032.0
006	4.0	0.35	09	48	0250	027	034.3
007	4.4	0.21	06	36	0300	025	035.7
008	4.5	0.26	05	40	0200	020	038.5
009	4.5	0.06	06	28	0175	020	050.0
010	4.6	0.06	24	16	0150	017	055.0
011	5.2	0.07	21	28	0400	042	035.7
012	5.2	0.07	62	40	0375	031	054.3
013	4.7	0.07	15	28	0200	022	057.1
014	4.8	0.07	61	36	0250	022	050.1
015	4.9	0.05	08	20	0200	017	046.0
016	5.1	0.10	27	52	0350	027	045.0
017	4.5	0.08	22	40	0300	029	037.5
018	5.3	0.11	25	60	0650	072	050.0
019	4.9	0.06	19	44	0275	033	053.3
020	4.6	0.10	35	40	0225	022	045.0
021	4.8	0.14	62	40	0550	038	042.9
022	4.4	0.11	14	48	0125	017	063.6
023	5.0	0.08	12	28	0225	020	050.0
024	4.8	0.08	07	44	0425	042	053.8
025	4.7	0.15	39	72	0325	033	041.3
026	5.1	0.09	07	36	0400	038	063.3
027	4.9	0.09	31	52	0175	020	053.3
028	5.0	0.17	53	52	0525	042	035.3
029	5.2	0.18	41	48	0525	031	037.2
031	4.6	0.09	15	52	0300	031	046.7
032	4.9	0.17	27	48	0400	029	041.2
033	4.5	0.11	27	72	0275	027	054.5
034	4.7	0.06	19	44	0275	027	083.3
035	4.4	0.09	14	32	0200	022	053.3
036	5.4	0.13	33	48	1200	069	044.6
037	5.3	0.17	13	48	1025	060	035.3
038	5.1	0.14	20	80	0575	055	052.1
039	4.7	0.17	04	36	0150	022	055.9
040	4.9	0.06	33	28	0150	015	053.3
041	4.9	0.09	43	27	0064	037	051.1
042	4.5	0.15	13	49	0085	044	045.3
043	4.1	0.11	16	67	0174	053	060.9
044	5.1	0.10	45	68	0135	045	042.0
045	5.0	0.13	22	37	0203	043	041.5
046	5.1	0.09	16	35	0122	039	057.8
047	5.4	0.12	15	57	0251	047	040.8
048	5.4	0.07	12	28	0086	033	042.9

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049	5.4	0.09	36	40	0129	040	042.2
050	5.4	0.08	07	44	0255	057	042.5
051	4.9	0.03	19	49	0155	038	041.0
052	4.9	0.08	09	31	0113	037	043.8
053	5.2	0.17	30	40	0126	039	037.1
054	5.0	0.24	17	61	0226	045	038.3
055	4.5	0.23	12	68	0365	054	036.5
056	5.3	0.08	57	51	0102	034	041.3
057	4.9	0.13	10	69	0355	105	052.3
058	4.5	0.11	12	48	0187	041	056.4
059	4.7	0.17	15	51	0083	041	061.2
060	4.7	0.13	14	75	0148	045	046.9
061	5.0	0.22	22	44	0341	059	031.4
062	4.9	0.22	12	47	0100	041	034.5
063	5.1	0.07	35	60	0107	038	045.7
064	5.0	0.12	19	41	0091	038	041.7
065	4.9	0.20	08	35	0135	038	060.0
066	4.7	0.19	17	41	0163	041	028.9
067	4.9	0.23	16	38	0109	040	040.9
068	5.7	0.16	40	60	1135	062	035.0
069	4.2	0.14	06	24	0057	024	044.3
070	4.8	0.20	08	42	0445	061	027.5
071	4.1	0.22	10	38	0157	033	035.9
072	4.2	0.26	07	35	0171	031	033.5
073	4.5	0.15	13	29	0090	025	043.3
074	4.8	0.27	14	41	0510	049	026.3
075	4.8	0.15	07	29	0347	028	048.7
076	4.7	0.22	14	53	0137	038	010.0
077	4.3	0.67	07	48	0241	039	018.1
078	4.9	0.27	09	43	0145	039	014.4
079	4.4	0.43	07	42	0167	052	025.1
080	4.3	0.17	17	32	0162	045	034.7
081	4.6	0.22	07	33	0074	039	034.1
082	4.8	0.63	05	64	0062	043	034.9
083	4.1	0.37	10	50	0128	045	023.8
084	4.4	0.35	07	39	0091	038	035.1
085	4.5	0.35	06	44	0151	038	032.3
086	4.7	0.37	05	49	0110	043	041.6
087	4.4	0.22	07	34	0081	035	034.1
088	4.2	0.38	07	34	0156	037	022.6
089	4.3	0.35	06	46	0093	037	037.7
090	4.3	0.32	07	44	0107	034	028.4
091	4.5	0.40	05	41	0087	032	029.3
092	4.9	0.39	10	50	0402	072	021.8
093	5.1	0.13	43	61	0356	048	039.2
094	4.5	0.13	12	45	0152	024	014.6
095	4.9	0.09	22	46	0209	028	037.8
096	4.5	0.22	10	60	0259	040	030.0
097	4.6	0.17	24	45	0265	057	031.2
098	4.7	0.19	04	25	0680	082	035.3
099	4.7	0.09	39	38	0181	039	036.7
100	4.8	0.09	09	22	0250	066	034.4
101	4.7	0.18	11	39	0163	053	040.6

APPENDIX XI - OVERSTORY STAND ORDINATION
SCORES FOR AXES 1 AND 2

Axis 1			Axis 2		
Stand No.	Stand Type	Score	Stand No.	Stand Type	Score
069	<u>Tsuga canadensis</u>	588	039	<u>Quercus rubrum</u>	311
075	<u>Tsuga canadensis</u>	575	022	<u>Quercus rubrum</u>	280
094	<u>Tsuga canadensis</u>	574	046	<u>Quercus rubrum</u>	227
065	<u>Tsuga canadensis</u>	546	055	<u>Pinus strobus</u>	227
073	<u>Betula lutea</u>	529	035	<u>Pinus strobus</u>	226
098	<u>Betula lutea</u>	522	012	<u>Pinus strobus</u>	220
087	<u>Betula lutea</u>	505	021	<u>Pinus strobus</u>	217
074	<u>Acer saccharum</u>	501	060	<u>Pinus strobus</u>	216
077	<u>Acer saccharum</u>	500	100	<u>Pinus strobus</u>	216
091	<u>Betula lutea</u>	499	059	<u>Pinus strobus</u>	210
061	<u>Betula lutea</u>	496	042	<u>Pinus strobus</u>	208
072	<u>Acer saccharum</u>	496	101	<u>Pinus strobus</u>	204
080	<u>Acer saccharum</u>	482	015	<u>Pinus banksiana</u>	200
001	<u>Acer saccharum</u>	481	023	<u>Pinus strobus</u>	199
085	<u>Acer saccharum</u>	476	041	<u>Populus spp</u>	194
084	<u>Acer saccharum</u>	473	063	<u>Pinus strobus</u>	194
067	<u>Acer saccharum</u>	470	051	<u>Pinus strobus</u>	193
071	<u>Acer saccharum</u>	469	057	<u>Pinus strobus</u>	186
092	<u>Acer saccharum</u>	469	011	<u>Pinus strobus</u>	181
079	<u>Acer saccharum</u>	466	095	<u>Pinus strobus</u>	180
088	<u>Acer saccharum</u>	466	024	<u>Pinus strobus</u>	179
083	<u>Acer saccharum</u>	465	010	<u>Pinus banksiana</u>	178
089	<u>Acer saccharum</u>	464	099	<u>Pinus strobus</u>	175
090	<u>Acer saccharum</u>	463	034	<u>Pinus strobus</u>	167
004	<u>Acer saccharum</u>	461	044	<u>Pinus strobus</u>	162
086	<u>Acer saccharum</u>	460	068	<u>Betula papyrifera</u>	134
081	<u>Acer saccharum</u>	459	019	<u>Betula papyrifera</u>	133
002	<u>Acer saccharum</u>	458	025	<u>Acer saccharum</u>	131
003	<u>Acer saccharum</u>	457	045	<u>Acer saccharum</u>	124
006	<u>Acer saccharum</u>	456	087	<u>Betula lutea</u>	123
070	<u>Acer saccharum</u>	456	062	<u>Acer saccharum</u>	121
096	<u>Acer saccharum</u>	454	098	<u>Betula lutea</u>	119
008	<u>Acer saccharum</u>	451	013	<u>Pinus resinosa</u>	117
076	<u>Acer saccharum</u>	448	054	<u>Betula papyrifera</u>	117
097	<u>Acer saccharum</u>	448	097	<u>Acer saccharum</u>	117
028	<u>Acer saccharum</u>	445	091	<u>Betula lutea</u>	116
005	<u>Acer saccharum</u>	444	061	<u>Betula lutea</u>	115
037	<u>Acer saccharum</u>	443	073	<u>Betula lutea</u>	115
007	<u>Acer saccharum</u>	441	053	<u>Acer saccharum</u>	114
036	<u>Acer saccharum</u>	435	008	<u>Acer saccharum</u>	113
062	<u>Acer saccharum</u>	432	029	<u>Acer saccharum</u>	113
045	<u>Acer saccharum</u>	430	066	<u>Acer saccharum</u>	110
032	<u>Acer saccharum</u>	426	037	<u>Acer saccharum</u>	109
053	<u>Acer saccharum</u>	426	052	<u>Pinus resinosa</u>	108

058	<u>Acer saccharum</u>	425	075	<u>Pinus strobus</u>	108
066	<u>Acer saccharum</u>	425	069	<u>Tsuga canadensis</u>	105
082	<u>Acer saccharum</u>	417	080	<u>Acer saccharum</u>	105
025	<u>Acer saccharum</u>	415	001	<u>Acer saccharum</u>	103
054	<u>Betula papyrifera</u>	357	058	<u>Acer saccharum</u>	103
029	<u>Acer saccharum</u>	354	088	<u>Acer saccharum</u>	103
068	<u>Betula papyrifera</u>	305	006	<u>Acer saccharum</u>	102
026	<u>Populus spp</u>	257	032	<u>Acer saccharum</u>	102
093	<u>Populus spp</u>	249	094	<u>Tsuga canadensis</u>	102
039	<u>Quercus rubrum</u>	243	096	<u>Acer saccharum</u>	102
046	<u>Quercus rubrum</u>	243	089	<u>Acer saccharum</u>	101
022	<u>Quercus rubrum</u>	235	076	<u>Acer saccharum</u>	100
095	<u>Pinus strobus</u>	234	028	<u>Acer saccharum</u>	099
031	<u>Populus spp</u>	230	067	<u>Acer saccharum</u>	099
019	<u>Betula papyrif.</u>	220	081	<u>Acer saccharum</u>	098
016	<u>Populus spp</u>	214	077	<u>Acer saccharum</u>	097
049	<u>Populus spp</u>	205	085	<u>Acer saccharum</u>	097
014	<u>Populus spp</u>	204	074	<u>Acer saccharum</u>	096
023	<u>Pinus strobus</u>	203	003	<u>Acer saccharum</u>	095
038	<u>Populus spp</u>	200	065	<u>Tsuga canadensis</u>	095
027	<u>Populus spp</u>	199	079	<u>Acer saccharum</u>	095
033	<u>Populus spp</u>	199	082	<u>Acer saccharum</u>	095
064	<u>Populus spp</u>	199	018	<u>Tsuga canadensis</u>	094
042	<u>Pinus strobus</u>	198	048	<u>Pinus resinosa</u>	094
018	<u>Populus spp</u>	195	070	<u>Acer saccharum</u>	094
100	<u>Pinus strobus</u>	194	072	<u>Acer saccharum</u>	094
051	<u>Pinus strobus</u>	192	086	<u>Acer saccharum</u>	094
099	<u>Pinus strobus</u>	189	071	<u>Acer saccharum</u>	093
040	<u>Populus spp</u>	185	083	<u>Acer saccharum</u>	093
012	<u>Pinus strobus</u>	183	004	<u>Acer saccharum</u>	092
021	<u>Pinus strobus</u>	182	036	<u>Acer saccharum</u>	092
055	<u>Pinus strobus</u>	180	090	<u>Acer saccharum</u>	092
078	<u>Populus spp</u>	180	092	<u>Acer saccharum</u>	092
050	<u>Populus spp</u>	179	002	<u>Acer saccharum</u>	091
059	<u>Pinus strobus</u>	178	084	<u>Acer saccharum</u>	090
056	<u>Populus spp</u>	174	005	<u>Acer saccharum</u>	089
044	<u>Pinus strobus</u>	171	050	<u>Populus spp</u>	089
024	<u>Pinus strobus</u>	170	009	<u>Pinus resinosa</u>	088
060	<u>Pinus strobus</u>	169	007	<u>Acer saccharum</u>	086
020	<u>Populus spp</u>	168	017	<u>Pinus resinosa</u>	082
041	<u>Populus spp</u>	167	014	<u>Populus spp</u>	076
057	<u>Pinus strobus</u>	166	016	<u>Populus spp</u>	073
034	<u>Pinus strobus</u>	165	078	<u>Populus spp</u>	068
063	<u>Pinus strobus</u>	164	064	<u>Populus spp</u>	067
101	<u>Pinus strobus</u>	163	093	<u>Populus spp</u>	050
011	<u>Pinus strobus</u>	161	043	<u>Populus spp</u>	046
043	<u>Populus spp.</u>	152	033	<u>Populus spp</u>	039
047	<u>Populus spp</u>	151	020	<u>Populus spp</u>	033
035	<u>Pinus strobus</u>	143	027	<u>Populus spp</u>	022
017	<u>Pinus resinosa</u>	102	040	<u>Populus spp</u>	022
009	<u>Pinus resinosa</u>	084	031	<u>Populus spp</u>	020
052	<u>Pinus resinosa</u>	079	026	<u>Populus spp</u>	019
013	<u>Pinus resinosa</u>	071	038	<u>Populus spp</u>	012
048	<u>Pinus resinosa</u>	017	047	<u>Populus spp</u>	011
015	<u>Pinus banksiana</u>	016	056	<u>Populus spp</u>	004
010	<u>Pinus banksiana</u>	000	049	<u>Populus spp</u>	000

APPENDIX XII - UNDERSTORY SPECIES COVER BY STAND
(stands and species arranged according to their
positions on the first DCA axis)

SPECIES	STANDS													
	063	079	088	080	003	089	090	084	098	008	006	070	087	096
<i>Milium effusum</i>	0	5	5	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris noveboracensis</i>	0	20	100	0	0	0	0	0	0	100	0	0	30	0
<i>Viola cucullata</i>	0	0	40	0	0	0	0	0	45	0	0	0	0	0
<i>Viola septentrionalis</i>	0	0	0	0	0	0	5	0	5	0	0	0	0	0
<i>Impatiens capensis</i>	10	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brachelytrium erectum</i>	0	5	0	0	0	0	0	0	0	0	0	0	5	0
<i>Viola selkirkii</i>	15	0	0	0	0	0	0	0	10	0	0	0	0	0
<i>Carex arctata</i>	0	0	0	0	0	10	0	0	0	0	0	0	0	0
<i>Trillium erectum</i>	10	0	25	10	0	10	40	10	0	0	5	5	0	5
<i>Trillium grandiflorum</i>	0	0	0	0	20	0	0	0	0	0	0	0	0	0
<i>Ribes glandulosum</i>	0	0	0	0	0	50	0	0	0	0	0	0	0	0
<i>Monotropa uniflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola incognita</i>	0	0	20	30	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina</i> (sa)	5	0	10	0	10	0	0	70	0	25	25	0	10	0
<i>Betula lutea</i> (se)	50	35	25	10	5	15	0	35	0	0	0	0	10	0
<i>Oxalis montana</i>	0	5	0	0	0	15	0	0	70	0	0	0	210	0
<i>Cinna latifolia</i>	5	5	0	0	0	0	0	5	10	0	0	5	0	0
<i>Viburnum alnifolium</i>	30	0	100	0	60	300	5	0	0	160	160	0	735	20
<i>Betula lutea</i> (sa)	30	20	20	0	15	10	0	10	5	0	10	5	10	0
<i>Gymnocarpium dryopteris</i>	0	0	0	0	0	5	0	0	70	0	0	0	0	5
<i>Equisetum scirpoides</i>	0	0	0	0	0	0	0	0	15	0	0	0	0	0
<i>Sambucus canadensis</i>	0	0	0	0	0	0	0	0	10	0	0	0	0	0
<i>Polygonum cilinode</i>	0	0	0	0	0	0	0	0	10	0	0	0	0	0
<i>Godolva repens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina</i> (se)	20	0	10	10	10	10	40	35	0	10	5	0	5	0
<i>Lycopodium lucidulum</i>	5	10	150	100	150	30	0	0	15	115	120	5	40	20
<i>Trillium undulatum</i>	0	0	0	0	0	0	0	0	0	0	5	0	0	0
<i>Tiarella cordifolia</i>	0	25	0	175	0	5	0	0	790	0	0	0	70	0
<i>Cicuta alpina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dryopteris spinulosa</i>	340	330	270	175	140	360	265	80	40	220	180	65	250	55
<i>Rubus strigosus</i>	15	40	10	0	10	75	5	65	0	0	10	0	5	0
<i>Tsuga canadensis</i> (se)	0	0	0	0	0	0	0	20	0	0	0	0	5	0
<i>Ribes lacustre</i>	0	0	0	0	0	0	0	0	80	0	0	0	0	0
<i>Onoclea sensibilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum</i> (sa)	570	270	380	560	155	225	445	360	625	115	110	610	215	375
<i>Lycopodium annotinum</i>	0	0	100	0	0	0	0	0	0	0	0	0	45	0
<i>Thelypteris phegopteris</i>	0	0	5	0	0	0	0	0	75	0	0	0	0	0
<i>Actaea pachypoda</i>	0	0	0	0	0	0	5	0	0	0	0	0	0	0
<i>Acer saccharum</i> (se)	1270	1400	1115	1170	220	885	1230	1085	475	590	690	1050	285	1250
<i>Tsuga canadensis</i> (sa)	0	0	0	0	0	0	0	10	0	0	0	0	0	0
<i>Athyrium Felix-femina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer pennsylvanicum</i> (se)	40	0	5	0	80	5	0	65	0	50	75	45	75	195
<i>Viola</i> spp.	10	5	10	60	30	0	5	0	15	50	10	10	0	0
<i>Streptopus amplexifolius</i>	0	10	60	65	0	40	25	5	30	0	20	30	25	30
<i>Galium triflorum</i>	0	0	0	0	0	0	0	0	45	0	0	0	0	10
<i>Tilia americana</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus</i> spp.	0	0	0	0	0	0	0	0	5	0	0	0	0	0
<i>Acer pennsylvanicum</i> (sa)	40	50	0	0	195	0	0	80	0	50	60	55	145	85
<i>Lycopodium obscurum</i>	10	60	205	60	10	30	0	0	10	10	10	0	155	5
<i>Ostrya virginiana</i> (sa)	0	0	0	0	0	20	45	60	0	0	10	0	0	35
<i>Smilacina racemosa</i>	0	0	0	0	0	0	0	0	0	10	0	0	0	0
<i>Ostrya virginiana</i> (se)	0	0	0	0	0	0	5	20	10	0	0	20	0	10
<i>Acer spicatum</i> (se)	5	0	0	0	0	0	0	5	150	0	5	0	5	60
<i>Fagus grandifolia</i> (sa)	0	0	0	20	10	10	0	0	0	25	35	30	30	140
<i>Medeola virginiana</i>	0	0	0	0	0	5	0	0	0	0	0	0	50	75
<i>Fagus grandifolia</i> (se)	0	0	0	0	0	10	0	0	0	0	25	0	0	110

SPECIES	STANDS													
	001	066	069	071	062	073	028	061	036	067	075	097	045	053
<i>Milium effusum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris noveboracensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola cucullata</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0
<i>Viola septentrionalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imatiens capensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brachelytrum erectum</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0
<i>Viola selkirkii</i>	0	0	0	0	0	0	0	0	10	0	0	0	0	0
<i>Carex arctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trillium erectum</i>	0	0	0	10	15	0	0	0	0	0	0	0	0	0
<i>Trillium grandiflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ribes glandulosum</i>	5	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Monotropa uniflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola incognita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina (sa)</i>	55	60	0	0	0	0	0	0	0	0	0	0	0	0
<i>Betula lutea (se)</i>	5	15	40	10	0	20	0	0	0	0	40	0	5	0
<i>Oxalis montana</i>	5	0	110	0	0	85	5	0	0	0	0	0	0	0
<i>Cinna latifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viburnum alnifolium</i>	480	530	0	140	0	10	15	60	0	0	0	0	10	0
<i>Betula lutea (sa)</i>	0	20	30	0	0	20	0	0	0	10	20	0	0	0
<i>Gymnocarpium dryopteris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Equisetum scirpoides</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0
<i>Sambucus canadensis</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0
<i>Polygonum cilinode</i>	0	0	0	0	0	0	20	10	0	0	0	0	0	0
<i>Goodera repens</i>	0	0	10	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina (se)</i>	15	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lycopodium lucidulum</i>	55	120	10	25	0	45	0	10	0	0	120	5	0	15
<i>Trillium undulatum</i>	0	5	0	0	0	5	0	0	0	0	0	0	0	5
<i>Tiarella cordifolia</i>	0	15	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cicuta alpina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dryopteris spinulosa</i>	270	120	120	335	115	255	160	25	30	120	170	40	0	10
<i>Rubus strigosus</i>	0	5	0	0	0	0	60	5	5	10	0	0	0	0
<i>Tsuga canadensis (se)</i>	0	0	90	0	0	15	10	0	0	0	40	5	0	0
<i>Ribes lacustre</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Onoclea sensibilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum (sa)</i>	160	230	0	180	300	110	585	495	810	520	80	160	45	150
<i>Lycopodium annotinum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris phegopteris</i>	5	0	0	0	0	100	0	230	0	0	0	0	0	0
<i>Actaea pachypoda</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum (se)</i>	350	955	30	725	500	215	970	605	870	1100	65	530	115	135
<i>Tsuga canadensis (sa)</i>	0	0	35	0	0	10	0	0	0	0	150	0	0	20
<i>Athyrium Felix-femina</i>	0	0	0	0	0	0	10	5	0	0	0	0	0	0
<i>Acer pennsylvanicum (se)</i>	0	45	105	50	155	85	110	80	5	95	40	145	240	95
<i>Viola spp.</i>	90	10	5	0	5	40	15	105	5	0	5	10	5	0
<i>Streptopus amplexifolius</i>	0	30	5	45	30	40	0	80	0	0	40	25	35	10
<i>Galium triflorum</i>	0	0	0	0	0	0	20	30	20	0	0	0	0	0
<i>Tilia americana (sa)</i>	0	0	0	0	0	0	0	0	30	0	0	0	0	0
<i>Rubus spp.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer pennsylvanicum (sa)</i>	0	60	20	20	210	145	25	155	30	15	5	240	85	105
<i>Lycopodium obscurum</i>	40	100	45	35	45	100	125	80	25	155	40	55	0	10
<i>Ostrya virginiana (se)</i>	0	80	0	0	0	0	25	0	110	0	0	65	0	15
<i>Smilacina racemosa</i>	10	10	0	0	0	30	0	0	0	0	0	25	0	0
<i>Ostrya virginiana (sa)</i>	0	15	0	0	40	10	0	0	10	10	0	100	15	10
<i>Acer spicatum (se)</i>	0	0	75	40	0	15	0	360	0	0	40	40	5	10
<i>Fagus grandifolia (sa)</i>	0	40	0	0	310	45	0	0	50	0	0	40	240	430
<i>Medeola virginiana</i>	0	80	0	5	10	110	10	10	0	35	0	25	35	45
<i>Fagus grandifolia (se)</i>	0	5	5	0	50	20	0	0	0	0	0	5	150	120

SPECIES	STANDS														
	025	066	065	037	026	068	032	100	058	054	064	029	093	085	
<i>Milium effusum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Thelypteris noveboracensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola cucullata</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0	
<i>Viola septentrionalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Impatiens capensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Brachelytrum erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola selkirkii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Carex arctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Trillium erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Trillium grandiflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ribes glandulosum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Monotropa uniflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola incognita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Prunus serotina</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Betula lutea</i> (se)	5	0	0	0	5	0	0	0	0	0	20	0	0	0	
<i>Oxalis montana</i>	0	0	10	0	0	0	0	0	0	0	0	0	0	0	
<i>Cinna latifolia</i>	0	5	0	0	0	5	0	0	0	0	5	0	0	0	
<i>Viburnum alnifolium</i>	10	0	5	0	10	0	0	0	0	0	0	0	0	0	
<i>Betula lutea</i> (sa)	15	0	35	0	15	0	0	0	5	0	0	0	0	0	
<i>Gymnocarpium dryopteris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Equisetum scirpoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Sambucus canadensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Polygonum ciliolatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Goodenia repens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Prunus serotina</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Lycopodium lucidulum</i>	10	25	0	0	0	0	0	0	15	0	0	0	0	0	
<i>Trillium undulatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Tiarrella cordifolia</i>	0	0	0	5	0	0	0	15	0	0	0	0	0	0	
<i>Cicuta alpina</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0	
<i>Dryopteris spinulosa</i>	0	20	15	20	40	90	10	35	10	10	0	15	0	0	
<i>Rubus strigosus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Tsuga canadensis</i> (se)	0	0	25	0	0	0	0	0	0	0	0	0	5	0	
<i>Ribes lacustre</i>	0	0	0	0	0	0	0	10	0	0	0	0	0	0	
<i>Oxoclea sensibilis</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
<i>Acer saccharum</i> (sa)	155	80	20	395	310	95	200	60	50	155	55	285	10	130	
<i>Lycopodium annotinum</i>	0	0	0	0	0	0	0	5	0	0	5	0	15	0	
<i>Thelypteris phegopteris</i>	35	0	0	25	0	10	5	0	0	0	0	0	0	0	
<i>Actaea pachypoda</i>	0	0	0	20	0	50	0	0	0	0	0	0	0	0	
<i>Acer saccharum</i> (se)	140	910	35	575	218	90	150	45	100	535	45	895	195	60	
<i>Tsuga canadensis</i> (sa)	0	0	65	0	0	0	0	0	0	0	0	0	15	0	
<i>Athyrium filix-femina</i>	0	0	0	25	0	0	0	0	0	0	0	0	0	0	
<i>Acer pennsylvanicum</i> (se)	175	90	205	90	15	0	55	0	45	115	0	70	85	10	
<i>Viola</i> spp.	5	0	0	25	20	65	5	5	0	20	25	15	40	0	
<i>Streptopus amplexifolius</i>	0	15	10	0	25	0	0	40	25	90	50	0	25	45	
<i>Galium triflorum</i>	0	50	0	15	5	15	0	5	0	5	0	0	5	0	
<i>Tilia americana</i> (sa)	0	0	0	40	0	0	0	0	0	0	0	0	0	0	
<i>Rubus</i> spp.	0	0	0	0	0	0	0	5	0	0	0	0	5	0	
<i>Acer pennsylvanicum</i> (sa)	225	60	55	15	25	20	70	0	150	115	10	90	15	20	
<i>Lycopodium obscurum</i>	0	135	0	95	35	275	105	45	95	10	40	60	30	60	
<i>Ostrya virginiana</i> (sa)	0	0	0	170	15	0	300	0	0	0	0	0	35	50	
<i>Saillacina racemosa</i>	0	0	0	0	10	0	0	0	0	0	0	0	0	75	
<i>Ostrya virginiana</i> (se)	15	75	0	50	0	5	75	0	40	80	0	80	35	20	
<i>Acer spicatum</i> (se)	10	0	0	10	15	0	0	105	0	30	20	5	0	0	
<i>Fagus grandifolia</i> (sa)	145	5	30	45	0	0	285	0	170	30	0	0	0	5	
<i>Medeola virginiana</i>	50	25	20	10	20	0	10	5	10	30	5	15	10	10	
<i>Fagus grandifolia</i> (se)	35	0	30	10	0	0	85	5	60	35	0	0	5	0	

SPECIES	STANDS														
	021	031	018	078	027	016	023	034	033	018	024	046	049	020	
<i>Milium effusum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Thelypteris noveboracensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola cucullata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola septentrionalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Impatiens capensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Brachelytrum erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola selkirkii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Carex arctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Trillium erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Trillium grandiflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ribes glandulosum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Monotropa uniflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viola incognita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Prunus serotina</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Betula lutea</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Oxalis montana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cinna latifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Viburnum alnifolium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Betula lutea</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Gymnocarpium dryopteris</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
<i>Equisetum scirpoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Sambucus canadensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Polygonum cilinode</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Goodera repens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Prunus serotina</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Lycopodium lucidulum</i>	0	0	0	0	0	0	0	0	5	0	0	0	0	0	
<i>Trillium undulatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Tiarella cordifolia</i>	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cicuta alpina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Dryopteris spinulosa</i>	135	0	0	10	0	0	0	0	0	0	0	0	0	0	
<i>Rubus strigosus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
<i>Tsuga canadensis</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ribes lacustre</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Oxoclea sensibilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Acer saccharum</i> (sa)	0	120	45	0	0	135	10	35	0	0	0	50	0	0	
<i>Lycopodium annotinum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Thelypteris phegopteris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
<i>Actaea pachyoda</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Acer saccharum</i> (se)	0	40	0	0	20	15	60	45	0	0	0	40	30	0	
<i>Tsuga canadensis</i> (sa)	0	15	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Athyrium Felix-femina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Acer pennsylvanicum</i> (se)	0	0	85	0	45	40	35	0	20	0	0	210	35	0	
<i>Viola</i> spp.	5	0	5	10	0	0	0	0	0	35	10	0	5	0	
<i>Streptopus amplexifolius</i>	5	5	15	5	15	30	0	5	0	0	15	0	5	5	
<i>Galium triflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Tilia americana</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Rubus</i> spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Acer pennsylvanicum</i> (sa)	0	15	25	0	45	20	70	0	70	10	25	340	50	0	
<i>Lycopodium obscurum</i>	100	75	0	40	0	15	0	25	25	40	0	0	0	35	
<i>Ostrya virginiana</i> (sa)	0	155	0	0	0	10	65	165	0	0	55	0	0	10	
<i>Smilacina racemosa</i>	0	10	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ostrya virginiana</i> (se)	0	45	0	0	5	15	80	35	0	0	0	10	0	0	
<i>Acer spicatum</i> (se)	5	0	0	10	0	0	0	0	10	60	15	0	0	30	
<i>Fagus grandifolia</i> (sa)	0	15	25	0	45	10	55	15	0	10	10	30	0	10	
<i>Medeola virginiana</i>	0	0	35	40	10	75	0	10	10	10	0	25	0	5	
<i>Fagus grandifolia</i> (se)	0	0	0	0	0	0	15	5	0	0	10	25	0	10	

SPECIES

TANDS

	021	031	018	078	027	016	023	034	033	018	024	046	048	020
<i>Carex deweyana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus pubescens</i>	0	0	0	0	0	0	0	0	0	15	0	0	0	0
<i>Botrychium virginianum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trientalis borealis</i>	25	110	100	75	109	100	10	10	70	80	30	55	75	65
<i>Polygonatum biflorum</i>	0	10	0	0	0	0	15	5	5	0	0	10	0	0
<i>Viola pubescens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coptis groenlandica</i>	0	0	0	0	0	0	0	0	0	5	0	0	0	10
<i>Habenaria orbiculata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lonicera canadensis</i>	0	70	15	40	25	15	60	30	60	90	275	20	5	0
<i>Aralia nudicaulis</i>	280	380	520	355	420	285	235	465	320	400	200	285	325	320
<i>Mitchella repens</i>	0	5	0	0	25	0	0	5	10	10	5	0	0	0
<i>Corylus cornuta</i>	835	95	645	160	225	195	125	45	215	195	260	40	125	240
<i>Maianthemum canadense</i>	125	150	110	180	135	130	70	175	175	105	235	60	175	220
<i>Sanicula marilandica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer rubrum</i> (se)	35	240	135	75	200	210	105	165	120	80	85	290	410	55
<i>Abies balsamea</i> (sa)	25	0	70	125	100	10	45	0	55	100	25	0	0	10
<i>Aster umbellatus</i>	0	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Abies balsamea</i> (se)	190	10	290	90	105	25	35	25	20	115	60	0	0	10
<i>Acer rubrum</i> (sa)	175	255	135	85	360	250	135	435	130	95	10	430	990	109
<i>Clintonia borealis</i>	120	70	0	185	10	65	0	50	0	30	80	0	0	130
<i>Carex</i> spp.	25	15	5	0	10	5	40	10	0	5	0	10	25	40
<i>Picea glauca</i> (sa)	0	0	0	5	0	0	0	0	0	10	45	0	0	0
<i>Betula papyrifera</i> (sa)	0	0	0	0	15	20	0	0	0	10	0	0	0	0
<i>Viola renifolia</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Gramineae spp.	5	35	15	25	10	20	40	55	5	10	20	10	80	25
<i>Fragaria virginiana</i>	0	0	0	0	0	0	5	0	0	5	15	0	0	0
<i>Populus grandidentata</i> (se)	0	0	0	0	0	0	0	0	5	0	0	0	0	0
<i>Pyrola elliptica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cornus rugosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyrola rotundifolia</i>	0	5	15	5	10	15	0	5	0	5	0	0	5	20
<i>Lycopodium clavatum</i>	0	0	0	5	0	40	0	0	0	40	0	0	5	15
<i>Cornus canadensis</i>	5	35	35	30	25	0	5	65	10	45	90	0	0	40
<i>Fragaria vesca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Picea glauca</i> (se)	0	0	0	5	0	0	0	0	0	0	0	0	0	0
<i>Aster macrophyllus</i>	15	20	140	255	70	255	40	185	15	445	235	45	85	50
<i>Populus tremuloides</i> (se)	5	0	0	0	0	10	0	0	5	20	5	10	0	0
<i>Quercus rubra</i> (se)	0	5	0	0	0	0	35	5	0	0	0	65	25	0
<i>Acer spicatum</i> (sa)	90	0	0	0	0	0	0	0	15	60	30	0	0	0
<i>Alnus rugosa</i> (sa)	0	0	0	0	0	0	0	0	0	20	0	0	0	0
<i>Vaccinium myrtilloides</i>	0	0	0	15	0	0	0	0	0	0	0	15	0	0
<i>Viburnum acerifolium</i>	0	0	0	0	0	0	5	55	0	0	0	20	0	0
<i>Populus grandidentata</i> (sa)	0	0	0	0	0	0	0	0	90	0	0	0	0	0
<i>Betula papyrifera</i> (se)	0	0	0	0	0	0	0	0	5	0	0	0	30	5
<i>Hepatica americana</i>	0	0	0	0	0	0	0	0	0	0	5	0	0	0
<i>Gaultheria procumbens</i>	0	55	35	10	85	40	30	130	90	10	15	35	50	50
<i>Quercus rubra</i> (sa)	0	0	140	0	15	25	80	55	0	0	10	15	15	0
<i>Pteridium aquilinum</i>	0	0	445	335	280	235	125	125	120	130	175	215	375	460
<i>Polygala pauciflora</i>	0	0	0	5	0	0	0	0	0	0	0	5	10	0
<i>Linnaea borealis</i>	40	0	0	0	0	0	0	0	0	0	5	5	0	0
<i>Populus tremuloides</i> (sa)	0	0	0	10	0	10	0	0	0	0	0	0	0	20
<i>Pinus strobus</i> (sa)	0	40	0	0	15	45	10	25	0	0	0	0	0	0
<i>Vaccinium angustifolium</i>	0	40	80	0	65	60	30	25	35	45	40	20	20	60
<i>Viburnum cassinoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	30
<i>Apocynum androsaemifolium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	10
<i>Pinus strobus</i> (se)	15	0	0	10	0	10	0	35	5	5	0	5	0	0
<i>Lonicera villosa</i>	185	5	0	15	0	20	0	5	0	25	0	0	0	90

SPECIES	STANDS													
	021	031	018	078	027	016	023	034	033	018	024	046	049	020
<i>Milium effusum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris noveboracensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola cucullata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola septentrionalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Impatiens capensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brachyelytrum erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola selkirkii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Carex arctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trillium erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trillium grandiflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ribes glandulosum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Monotropa uniflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola incognita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Betula lutea</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oxalis montana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cinna latifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viburnum alnifolium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Betula lutea</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gymnocarpium dryopteris</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0
<i>Equisetum scirpoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sambucus canadensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polygonum cilinode</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Goodera repens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lycopodium lucidulum</i>	0	0	0	0	0	0	0	0	5	0	0	0	0	0
<i>Trillium undulatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiarella cordifolia</i>	5	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cicuta alpina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dryopteris spinulosa</i>	135	0	0	10	0	0	0	0	0	0	0	0	0	0
<i>Rubus strigosus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	5
<i>Tsuga canadensis</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ribes lacustre</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Onoclea sensibilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum</i> (sa)	0	120	45	0	0	135	10	35	0	0	0	50	0	0
<i>Lycopodium annotinum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris phegopteris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	20
<i>Actaea pachyoda</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum</i> (se)	0	40	0	0	20	15	60	45	0	0	0	40	30	0
<i>Tsuga canadensis</i> (sa)	0	15	0	0	0	0	0	0	0	0	0	0	0	0
<i>Athyrium Felix-femina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer pennsylvanicum</i> (se)	0	0	85	0	45	40	35	0	20	0	0	210	35	0
<i>Viola</i> spp.	5	0	5	10	0	0	0	0	0	35	10	0	5	0
<i>Streptopus amplexifolius</i>	5	5	15	5	15	30	0	5	0	0	15	0	5	5
<i>Galium triflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tilia americana</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus</i> spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer pennsylvanicum</i> (sa)	0	15	25	0	45	20	70	0	70	10	25	340	50	0
<i>Lycopodium obscurum</i>	100	75	0	40	0	15	0	25	25	40	0	0	0	35
<i>Ostrya virginiana</i> (sa)	0	155	0	0	0	10	65	165	0	0	55	0	0	10
<i>Smilacina racemosa</i>	0	10	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ostrya virginiana</i> (se)	0	45	0	0	5	15	80	35	0	0	10	0	0	0
<i>Acer spicatum</i> (se)	5	0	0	10	0	0	0	0	10	60	15	0	0	30
<i>Fagus grandifolia</i> (sa)	0	15	25	0	45	10	55	15	0	10	10	30	0	10
<i>Medeola virginiana</i>	0	0	35	40	10	75	0	10	10	10	0	25	0	5
<i>Fagus grandifolia</i> (se)	0	0	0	0	0	0	15	5	0	0	10	25	0	10

SPECIES

TANDS

	021	031	018	078	027	016	023	034	033	018	024	046	048	020
<i>Carex deweyana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus pubescens</i>	0	0	0	0	0	0	0	0	0	15	0	0	0	0
<i>Botrychium virginianum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trientalis borealis</i>	25	110	100	75	109	100	10	10	70	80	30	55	75	65
<i>Polygonatum biflorum</i>	0	10	0	0	0	0	15	5	5	0	0	10	0	0
<i>Viola pubescens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coptis groenlandica</i>	0	0	0	0	0	0	0	0	0	5	0	0	0	10
<i>Habenaria orbiculata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lonicera canadensis</i>	0	70	15	40	25	15	60	30	60	90	275	20	5	0
<i>Aralia nudicaulis</i>	280	380	520	355	420	285	235	465	320	400	200	285	325	320
<i>Mitchella repens</i>	0	5	0	0	25	0	0	5	10	10	5	0	0	0
<i>Corylus cornuta</i>	835	95	645	160	225	195	125	45	215	195	260	40	125	240
<i>Maianthemum canadense</i>	125	150	110	180	135	130	70	175	175	105	235	60	175	220
<i>Sanicula marilandica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer rubrum</i> (se)	35	240	135	75	200	210	105	165	120	80	85	290	410	55
<i>Abies balsamea</i> (sa)	25	0	70	125	100	10	45	0	55	100	25	0	0	10
<i>Aster umbellatus</i>	0	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Abies balsamea</i> (se)	190	10	290	90	105	25	35	25	20	115	60	0	0	10
<i>Acer rubrum</i> (sa)	175	255	135	85	360	250	135	435	130	95	10	430	890	109
<i>Clintonia borealis</i>	120	70	0	185	10	65	0	50	0	30	80	0	0	130
<i>Carex</i> spp.	25	15	5	0	10	5	40	10	0	5	0	10	25	40
<i>Picea glauca</i> (sa)	0	0	0	5	0	0	0	0	0	10	45	0	0	0
<i>Betula papyrifera</i> (sa)	0	0	0	0	15	20	0	0	0	10	0	0	0	0
<i>Viola renifolia</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Gramineae spp.	5	35	15	25	10	20	40	55	5	10	20	10	80	25
<i>Fragaria virginiana</i>	0	0	0	0	0	0	5	0	0	5	15	0	0	0
<i>Populus grandidentata</i> (se)	0	0	0	0	0	0	0	0	5	0	0	0	0	0
<i>Pyrola elliptica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cornus rugosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyrola rotundifolia</i>	0	5	15	5	10	15	0	5	0	5	0	0	5	20
<i>Lycopodium clavatum</i>	0	0	0	5	0	40	0	0	0	40	0	0	5	15
<i>Cornus canadensis</i>	5	35	35	30	25	0	5	65	10	45	90	0	0	40
<i>Fragaria vesca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Picea glauca</i> (se)	0	0	0	5	0	0	0	0	0	0	0	0	0	0
<i>Aster macrophyllus</i>	15	20	140	255	70	255	40	185	15	445	235	45	85	50
<i>Populus tremuloides</i> (se)	5	0	0	0	0	10	0	0	5	20	5	10	0	0
<i>Quercus rubra</i> (se)	0	5	0	0	0	0	35	5	0	0	65	25	0	0
<i>Acer spicatum</i> (sa)	90	0	0	0	0	0	0	0	15	60	30	0	0	0
<i>Alnus rugosa</i> (sa)	0	0	0	0	0	0	0	0	0	20	0	0	0	0
<i>Vaccinium myrtilloides</i>	0	0	0	15	0	0	0	0	0	0	15	0	0	0
<i>Viburnum acerifolium</i>	0	0	0	0	0	0	5	55	0	0	20	0	0	0
<i>Populus grandidentata</i> (sa)	0	0	0	0	0	0	0	0	90	0	0	0	0	0
<i>Betula papyrifera</i> (se)	0	0	0	0	0	0	0	0	5	0	0	0	30	5
<i>Hepatica americana</i>	0	0	0	0	0	0	0	0	0	0	5	0	0	0
<i>Gaultheria procumbens</i>	0	55	35	10	85	40	30	130	90	10	15	35	50	50
<i>Quercus rubra</i> (sa)	0	0	140	0	15	25	80	55	0	0	10	15	15	0
<i>Pteridium aquilinum</i>	0	0	445	335	280	235	125	125	120	130	175	215	375	460
<i>Polygala pauciflora</i>	0	0	0	5	0	0	0	0	0	0	0	5	10	0
<i>Linnaea borealis</i>	40	0	0	0	0	0	0	0	0	0	5	5	0	0
<i>Populus tremuloides</i> (sa)	0	0	0	10	0	10	0	0	0	0	0	0	0	20
<i>Pinus strobus</i> (sa)	0	40	0	0	15	45	10	25	0	0	0	0	0	0
<i>Vaccinium angustifolium</i>	0	40	80	0	65	60	30	25	35	45	40	20	20	60
<i>Viburnum cassinoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	30
<i>Apocynum androsaemifolium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	10
<i>Pinus strobus</i> (se)	15	0	0	10	0	10	0	35	5	5	0	5	0	0
<i>Lonicera villosa</i>	185	5	0	15	0	20	0	5	0	25	0	0	0	90

SPECIES

STANDS

	050	017	059	060	051	057	014	056	041	098	055	038	044	011
<i>Carex deweyana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus pubescens</i>	0	0	0	0	0	5	0	0	0	0	0	0	0	0
<i>Botrychium virginianum</i>	0	0	0	0	60	0	0	0	0	0	0	0	0	0
<i>Trientalis borealis</i>	40	35	55	40	25	25	40	85	35	50	0	35	15	5
<i>Polygonatum biflorum</i>	0	0	0	0	5	0	0	20	0	5	0	5	0	0
<i>Viola pubescens</i>	0	0	0	0	0	10	0	0	0	0	0	0	0	0
<i>Coptis groenlandica</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0
<i>Habenaria orbiculata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lonicera canadensis</i>	0	80	20	70	135	60	20	0	0	40	10	60	40	0
<i>Aralia nudicaulis</i>	490	640	290	415	145	300	245	375	190	395	390	490	345	620
<i>Mitchella repens</i>	0	30	0	0	0	0	0	0	0	0	0	0	0	50
<i>Corylus cornuta</i>	285	140	60	370	175	230	240	740	200	435	505	185	350	385
<i>Maianthemum canadense</i>	125	180	250	250	180	105	110	110	225	115	265	45	240	320
<i>Sanicula marilandica</i>	0	0	0	0	0	5	0	0	0	0	0	0	0	0
<i>Acer rubrum</i> (se)	95	15	210	120	185	35	80	270	5	190	35	0	35	90
<i>Abies balsamea</i> (sa)	170	95	105	185	40	255	105	25	490	0	475	0	250	65
<i>Aster umbellatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Abies balsamea</i> (se)	55	65	30	110	140	60	325	15	105	45	130	0	90	40
<i>Acer rubrum</i> (sa)	95	65	95	290	300	15	105	145	5	190	85	30	120	110
<i>Clintonia borealis</i>	0	25	40	60	10	45	140	25	90	15	0	0	0	0
<i>Carex</i> spp.	25	5	0	15	15	40	50	60	0	45	60	10	20	0
<i>Picea glauca</i> (sa)	0	10	40	30	40	30	55	0	10	0	30	0	10	0
<i>Betula papyrifera</i> (sa)	0	10	0	0	0	0	0	0	0	5	0	0	0	0
<i>Viola renifolia</i>	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Gramineae spp.	55	10	45	45	45	5	20	45	45	40	45	20	35	60
<i>Fragaria virginiana</i>	0	10	0	0	0	15	0	0	0	0	0	0	0	0
<i>Populus grandidentata</i> (se)	0	0	0	20	0	0	5	0	0	0	0	0	0	0
<i>Pyrola elliptica</i>	0	0	0	0	0	0	0	0	0	0	0	5	0	0
<i>Cornus rugosa</i>	0	0	0	40	0	0	0	0	0	0	0	25	10	0
<i>Pyrola rotundifolia</i>	0	5	5	5	5	5	0	0	0	0	10	5	0	0
<i>Lycopodium clavatum</i>	0	20	0	0	0	0	0	0	0	0	0	5	0	0
<i>Cornus canadensis</i>	75	65	115	55	0	50	5	15	95	0	0	10	0	41
<i>Fragaria vesca</i>	20	0	0	0	0	5	0	0	0	0	0	0	0	0
<i>Picea glauca</i> (se)	0	0	0	5	10	0	15	0	25	0	0	0	5	0
<i>Aster macrophyllus</i>	385	190	175	135	50	135	60	45	10	140	30	70	85	30
<i>Populus tremuloides</i> (se)	15	10	0	0	0	10	0	0	0	10	0	0	0	0
<i>Quercus rubra</i> (se)	10	0	75	0	40	0	0	0	0	5	0	0	5	0
<i>Acer spicatum</i> (sa)	0	0	0	0	0	10	0	0	0	0	0	0	0	0
<i>Alnus rugosa</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Vaccinium myrtilloides</i>	15	0	45	40	35	10	0	30	0	20	80	0	15	0
<i>Viburnum acerifolium</i>	0	0	0	0	5	0	0	0	0	0	0	55	0	0
<i>Populus grandidentata</i> (sa)	0	45	5	0	0	5	10	0	0	0	0	0	0	0
<i>Betula papyrifera</i> (se)	0	10	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hepatica americana</i>	0	0	0	20	0	10	0	0	0	0	0	0	0	0
<i>Gaultheria procumbens</i>	15	20	100	25	80	85	85	70	20	65	55	95	20	55
<i>Quercus rubra</i> (sa)	0	0	270	0	85	5	0	0	0	10	0	25	5	0
<i>Pteridium aquilinum</i>	730	415	295	100	215	260	390	125	280	165	175	180	215	300
<i>Polygala pauciflora</i>	0	0	5	0	0	0	0	0	10	0	10	0	0	0
<i>Linnaea borealis</i>	10	35	45	10	35	45	0	0	0	50	20	5	5	45
<i>Populus tremuloides</i> (sa)	0	20	0	0	0	0	10	0	5	10	0	0	0	0
<i>Pinus strobus</i> (sa)	0	0	0	5	90	5	25	10	15	25	0	65	0	20
<i>Vaccinium angustifolium</i>	15	30	105	50	45	20	70	30	85	95	15	105	20	90
<i>Viburnum cassinoides</i>	0	0	0	0	0	0	0	0	0	0	0	15	0	0
<i>Apocynum androsaemifolium</i>	0	0	20	0	0	0	0	5	0	0	0	0	0	0
<i>Pinus strobus</i> (se)	5	0	5	15	45	0	10	0	0	10	5	0	10	5
<i>Lonicera villosa</i>	15	30	20	10	0	10	0	5	0	35	0	0	40	0

SPECIES	STANDS													
	043	035	101	063	022	047	040	042	009	052	012	039	015	013
<i>Milium effusum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris noveboracensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola cucullata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola septentrionalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Impatiens capensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brachelytrum erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola selkirkii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Carex arctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trillium erectum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trillium grandiflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ribes glandulosum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Monotropa uniflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viola incognita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Betula lutea</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oxalis montana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cinna latifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viburnum alnifolium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Betula lutea</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gymnocarpium dryopteris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Equisetum scirpoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sambucus canadensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polygonum cilinode</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Goodyera repens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prunus serotina</i> (se)	0	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lycopodium lucidulum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trillium undulatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiarrella cordifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cicuta alpina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dryopteris spinulosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus strigosus</i>	0	5	0	0	0	0	0	0	10	0	0	15	0	0
<i>Tsuga canadensis</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ribes lacustre</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Orioclea sensibilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lycopodium annotinum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thelypteris phaeopteris</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Actaea pachypoda</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer saccharum</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tsuga canadensis</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Athyrium Felix-femina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer pennsylvanicum</i> (se)	0	0	0	0	25	0	0	5	0	0	0	0	0	0
<i>Viola</i> spp.	0	0	0	0	5	0	5	0	0	0	0	0	0	10
<i>Streptopus amplexifolius</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Galium triflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tilia americana</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus</i> spp.	0	0	55	0	0	0	0	0	0	0	0	0	0	0
<i>Acer pennsylvanicum</i> (sa)	0	0	0	0	25	0	0	65	0	0	0	0	0	0
<i>Lycopodium obscurum</i>	10	0	0	10	0	15	25	0	0	0	5	0	0	5
<i>Ostrya virginiana</i> (sa)	0	0	0	0	115	0	0	0	0	0	0	0	0	0
<i>Smilacina recensosa</i>	0	0	0	0	0	0	0	10	0	0	0	0	0	0
<i>Ostrya virginiana</i> (se)	0	0	0	0	40	0	0	0	0	0	0	0	0	0
<i>Acer spicatum</i> (se)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Fagus grandifolia</i> (sa)	0	20	0	0	0	0	0	0	0	0	0	0	0	0
<i>Medeola virginiana</i>	0	0	0	0	0	0	5	0	0	10	0	0	0	0
<i>Fagus grandifolia</i> (se)	0	0	0	0	0	0	10	0	0	0	0	0	0	0

SPECIES	STANDS													
	043	035	101	063	022	047	040	042	009	052	012	039	015	013
<i>Carex deweyana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus pubescens</i>	0	0	40	0	0	5	0	0	0	0	0	0	0	0
<i>Botrychium virginianum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trientalis borealis</i>	30	20	35	80	5	0	52	60	5	20	10	0	70	0
<i>Polygonatum biflorum</i>	0	0	0	0	0	0	0	0	0	0	0	5	0	0
<i>Viola pubescens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coptis groenlandica</i>	0	0	0	85	0	0	0	0	0	0	0	0	0	0
<i>Habenaria orbiculata</i>	0	0	0	0	0	0	0	0	5	0	0	0	0	0
<i>Lonicera canadensis</i>	0	5	15	80	0	0	5	0	10	0	0	5	0	0
<i>Aralia nudicaulis</i>	305	125	20	365	190	325	55	165	160	15	310	80	10	465
<i>Mitchella repens</i>	0	0	0	0	5	0	0	0	10	0	20	0	0	115
<i>Corylus cornuta</i>	385	475	390	330	100	305	220	370	220	320	570	0	0	465
<i>Maianthemum canadense</i>	185	155	230	325	145	190	90	205	330	590	155	55	305	165
<i>Sanicula marilandica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Acer rubrum</i> (se)	10	0	115	5	140	145	185	115	120	15	100	5	5	10
<i>Abies balsamea</i> (sa)	5	40	0	280	0	10	0	0	0	210	125	0	0	80
<i>Aster umbellatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Abies balsamea</i> (se)	5	80	5	15	0	0	0	0	0	5	65	0	0	0
<i>Acer rubrum</i> (sa)	20	120	80	40	35	515	50	95	175	105	210	10	10	0
<i>Clintonia borealis</i>	0	25	0	70	5	0	0	0	0	5	0	0	0	10
<i>Carex</i> spp.	0	25	90	105	25	45	10	35	40	130	0	155	420	35
<i>Picea glauca</i> (sa)	30	30	5	30	0	20	10	0	0	0	25	0	0	0
<i>Betula papyrifera</i> (sa)	0	0	0	0	0	0	0	0	35	0	0	0	0	0
<i>Viola renifolia</i>	0	0	0	0	0	10	0	0	0	0	0	0	0	0
Gramineae spp.	15	25	55	15	85	125	20	45	95	90	115	305	155	65
<i>Fragaria virginiana</i>	0	0	0	0	5	0	0	0	0	0	0	15	0	0
<i>Poculus grandidentata</i> (se)	0	0	0	0	0	0	0	0	5	0	5	0	0	0
<i>Pyrola elliptica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cornus rugosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyrola rotundifolia</i>	0	20	0	5	0	0	20	0	20	0	0	0	10	0
<i>Lycopodium clavatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cornus canadensis</i>	25	695	0	440	5	0	10	0	5	0	5	0	0	50
<i>Fragaria vesca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Picea glauca</i> (se)	10	5	40	0	0	0	0	0	0	0	0	0	0	0
<i>Aster macrophyllum</i>	30	20	85	95	170	125	70	45	50	65	190	95	0	60
<i>Poculus tremuloides</i> (se)	0	5	0	0	0	0	5	0	0	0	0	0	0	0
<i>Quercus rubra</i> (se)	0	0	10	0	25	0	15	55	5	0	80	180	0	0
<i>Acer spicatum</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Alnus rugosa</i> (sa)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Vaccinium myrtilloides</i>	0	0	0	15	0	0	0	0	0	25	0	0	0	0
<i>Viburnum acerifolium</i>	0	0	0	0	90	0	35	0	0	0	0	0	0	0
<i>Poculus grandidentata</i> (sa)	0	0	0	0	45	0	0	0	0	0	0	0	0	10
<i>Betula papyrifera</i> (se)	0	0	10	0	0	0	10	0	0	0	0	0	0	0
<i>Hepatica americana</i>	0	0	0	0	0	5	0	0	0	0	0	0	0	0
<i>Gaultheria procumbens</i>	15	85	55	25	115	70	75	65	65	35	70	40	105	80
<i>Quercus rubra</i> (sa)	0	40	0	0	30	0	0	5	10	0	40	105	0	10
<i>Pteridium aquilinum</i>	185	305	690	490	185	600	370	480	230	555	290	15	600	280
<i>Polygala pauciflora</i>	0	0	5	5	0	0	0	25	0	10	0	0	0	0
<i>Linnaea borealis</i>	15	5	75	110	5	35	0	5	55	30	20	0	0	115
<i>Poculus tremuloides</i> (sa)	0	15	0	5	25	0	0	0	10	60	0	0	75	0
<i>Pinus strobus</i> (sa)	0	100	450	0	165	20	220	20	35	15	85	25	0	225
<i>Vaccinium angustifolium</i>	85	125	130	65	115	55	125	95	140	35	30	140	265	95
<i>Viburnum cassinoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Apocynum androsaemifolium</i>	0	0	0	5	0	0	0	0	0	5	0	0	0	15
<i>Pinus strobus</i> (se)	5	75	95	0	5	0	40	15	10	25	20	0	0	125
<i>Lonicera villosa</i>	0	5	10	20	0	5	25	0	0	0	5	0	0	10

SPECIES	STANDS	
	010	048
<i>Milium effusum</i>	0	0
<i>Thelypteris noveboracensis</i>	0	0
<i>Viola cucullata</i>	0	0
<i>Viola septentrionalis</i>	0	0
<i>Impatiens capensis</i>	0	0
<i>Brachyelytrum erectum</i>	0	0
<i>Viola selkirkii</i>	0	0
<i>Carex arctata</i>	0	0
<i>Trillium erectum</i>	0	0
<i>Trillium grandiflorum</i>	0	0
<i>Ribes glandulosum</i>	0	0
<i>Monotroea uniflora</i>	0	0
<i>Viola incognita</i>	0	0
<i>Prunus serotina</i> (sa)	120	0
<i>Betula lutea</i> (se)	0	0
<i>Oxalis montana</i>	0	0
<i>Cinna latifolia</i>	0	0
<i>Viburnum alnifolium</i>	0	0
<i>Betula lutea</i> (sa)	0	0
<i>Gymnocarpium dryopteris</i>	0	0
<i>Equisetum scirpoides</i>	0	0
<i>Sambucus canadensis</i>	0	0
<i>Polygonum cilinode</i>	0	0
<i>Goodyera repens</i>	0	0
<i>Prunus serotina</i> (se)	15	0
<i>Lycopodium lucidulum</i>	0	0
<i>Trillium undulatum</i>	0	0
<i>Tiarella cordifolia</i>	0	0
<i>Cicuta alpina</i>	0	0
<i>Dryopteris spinulosa</i>	0	0
<i>Rubus strigosus</i>	0	0
<i>Tsuga canadensis</i> (se)	0	0
<i>Ribes lacustre</i>	0	0
<i>Onoclea sensibilis</i>	0	0
<i>Acer saccharum</i> (sa)	0	0
<i>Lycopodium annotinum</i>	0	0
<i>Thelypteris phegopteris</i>	0	0
<i>Actaea pachyoda</i>	0	0
<i>Acer saccharum</i> (se)	0	0
<i>Tsuga canadensis</i> (sa)	0	0
<i>Athyrium Felix-femina</i>	0	0
<i>Acer pennsylvanicum</i> (se)	0	0
<i>Viola</i> spp.	0	0
<i>Streptopus amplexifolius</i>	0	0
<i>Galium triflorum</i>	0	0
<i>Tilia americana</i> (sa)	0	0
<i>Rubus</i> spp.	0	0
<i>Acer pennsylvanicum</i> (sa)	0	0
<i>Lycopodium obscurum</i>	0	0
<i>Ostrya virginiana</i> (sa)	0	0
<i>Smilacina racemosa</i>	0	0
<i>Ostrya virginiana</i> (se)	0	0
<i>Acer spicatum</i> (se)	0	0
<i>Fagus grandifolia</i> (sa)	0	0
<i>Medeola virginiana</i>	0	0
<i>Fagus grandifolia</i> (se)	0	0

SPECIES	STANDS	
	010	048
<i>Carex deweyana</i>	0	0
<i>Rubus pubescens</i>	0	0
<i>Botrychium virginianum</i>	0	0
<i>Trientalis borealis</i>	0	20
<i>Polygonatum biflorum</i>	0	0
<i>Viola pubescens</i>	0	0
<i>Coptis groenlandica</i>	0	0
<i>Habenaria orbiculata</i>	0	0
<i>Lonicera canadensis</i>	15	0
<i>Aralia nudicaulis</i>	0	0
<i>Mitchella repens</i>	0	0
<i>Corylus cornuta</i>	0	0
<i>Maianthemum canadense</i>	35	140
<i>Sanicula marilandica</i>	0	0
<i>Acer rubrum</i> (se)	0	5
<i>Abies balsamea</i> (sa)	0	30
<i>Aster umbellatus</i>	0	0
<i>Abies balsamea</i> (se)	10	0
<i>Acer rubrum</i> (sa)	0	0
<i>Clintonia borealis</i>	0	0
<i>Carex</i> spp.	0	80
<i>Picea glauca</i> (sa)	0	0
<i>Betula papyrifera</i> (sa)	0	0
<i>Viola renifolia</i>	0	0
Gramineae spp.	50	55
<i>Fragaria virginiana</i>	0	0
<i>Populus grandidentata</i> (se)	0	0
<i>Pyrola elliptica</i>	0	0
<i>Cornus rugosa</i>	0	0
<i>Pyrola rotundifolia</i>	0	0
<i>Lycopodium clavatum</i>	0	0
<i>Cornus canadensis</i>	0	0
<i>Eragaria vesca</i>	0	0
<i>Picea glauca</i> (se)	0	0
<i>Aster macrophyllus</i>	0	5
<i>Populus tremuloides</i> (se)	0	0
<i>Quercus rubra</i> (se)	0	0
<i>Acer spicatum</i> (sa)	0	0
<i>Alnus rugosa</i> (sa)	0	0
<i>Vaccinium myrtilloides</i>	0	10
<i>Viburnum acerifolium</i>	0	0
<i>Populus grandidentata</i> (sa)	0	0
<i>Betula papyrifera</i> (se)	0	5
<i>Hepatica americana</i>	0	0
<i>Gaultheria procumbens</i>	185	60
<i>Quercus rubra</i> (sa)	0	0
<i>Pteridium aquilinum</i>	680	310
<i>Polygala pauciflora</i>	0	0
<i>Linnaea borealis</i>	0	45
<i>Populus tremuloides</i> (sa)	0	15
<i>Pinus strobus</i> (sa)	155	10
<i>Vaccinium angustifolium</i>	740	80
<i>Viburnum cassinoides</i>	0	0
<i>Apocynum androsaemifolium</i>	25	0
<i>Pinus strobus</i> (se)	80	15
<i>Lonicera villosa</i>	0	5

SPECIES	STANDS	
	010	048
<i>Prunus pumila</i>	0	0
<i>Amelanchier sanguinea</i>	60	30
<i>Waldsteinia fragarioides</i>	0	0
<i>Melanocorym lineare</i>	0	55
<i>Chimaphila umbellata</i>	0	40
<i>Epigaea repens</i>	0	0
<i>Lycopodium complanatum</i>	25	35
<i>Kalmia angustifolia</i>	135	0
<i>Solidago squarrosa</i>	0	0
<i>Comptonia perstrina</i>	85	0
<i>Pinus banksiana</i> (sa)	0	0
<i>Pinus resinosa</i> (sa)	20	0
<i>Cypripedium candidum</i>	10	0

APPENDIX XIII - UNDERSTORY STAND ORDINATION SCORES
FOR AXES 1 AND 2

Axis 1			Axis 2		
Stand No.	Stand Type	Score	Stand No.	Stand Type	Score
083	<u>Acer saccharum</u>	292	098	<u>Betula lutea</u>	211
079	<u>Acer saccharum</u>	283	061	<u>Betula lutea</u>	171
088	<u>Acer saccharum</u>	266	100	<u>Pinus strobus</u>	167
080	<u>Acer saccharum</u>	263	057	<u>Pinus strobus</u>	156
003	<u>Acer saccharum</u>	259	068	<u>Betula papyrifera</u>	146
089	<u>Acer saccharum</u>	256	063	<u>Pinus strobus</u>	141
090	<u>Acer saccharum</u>	251	078	<u>Populus spp.</u>	141
084	<u>Acer saccharum</u>	241	101	<u>Pinus strobus</u>	137
098	<u>Betula lutea</u>	235	060	<u>Pinus strobus</u>	136
008	<u>Acer saccharum</u>	233	047	<u>Populus spp.</u>	135
006	<u>Acer saccharum</u>	232	021	<u>Pinus strobus</u>	132
070	<u>Acer saccharum</u>	230	078	<u>Acer saccharum</u>	129
087	<u>Betula lutea</u>	229	018	<u>Populus spp.</u>	127
096	<u>Acer saccharum</u>	227	048	<u>Pinus resinosa</u>	125
082	<u>Acer saccharum</u>	226	064	<u>Populus spp.</u>	125
072	<u>Acer saccharum</u>	223	055	<u>Pinus strobus</u>	124
085	<u>Acer saccharum</u>	221	043	<u>Populus spp.</u>	119
074	<u>Acer saccharum</u>	220	036	<u>Acer saccharum</u>	117
077	<u>Acer saccharum</u>	220	056	<u>Populus spp.</u>	117
005	<u>Acer saccharum</u>	219	041	<u>Populus spp.</u>	115
091	<u>Betula lutea</u>	218	017	<u>Pinus resinosa</u>	114
004	<u>Acer saccharum</u>	218	072	<u>Acer saccharum</u>	114
076	<u>Acer saccharum</u>	218	035	<u>Pinus strobus</u>	111
094	<u>Tsuga canadensis</u>	212	037	<u>Acer saccharum</u>	111
081	<u>Acer saccharum</u>	209	052	<u>Pinus resinosa</u>	111
007	<u>Acer saccharum</u>	206	044	<u>Pinus strobus</u>	110
092	<u>Acer saccharum</u>	206	051	<u>Pinus strobus</u>	109
002	<u>Acer saccharum</u>	204	020	<u>Populus spp.</u>	106
001	<u>Acer saccharum</u>	203	013	<u>Pinus resinosa</u>	103
086	<u>Acer saccharum</u>	202	028	<u>Acer saccharum</u>	103
069	<u>Tsuga canadensis</u>	201	050	<u>Populus spp.</u>	103
071	<u>Acer saccharum</u>	198	014	<u>Populus spp.</u>	102
062	<u>Acer saccharum</u>	187	059	<u>Pinus strobus</u>	101
073	<u>Betula lutea</u>	187	066	<u>Acer saccharum</u>	101
028	<u>Acer saccharum</u>	181	093	<u>Populus spp.</u>	100
061	<u>Betula lutea</u>	181	090	<u>Acer saccharum</u>	099
036	<u>Acer saccharum</u>	178	038	<u>Populus spp.</u>	096
067	<u>Acer saccharum</u>	176	024	<u>Pinus strobus</u>	095
075	<u>Tsuga canadensis</u>	171	040	<u>Populus spp.</u>	095
097	<u>Acer saccharum</u>	158	091	<u>Betula lutea</u>	094
045	<u>Acer saccharum</u>	154	099	<u>Pinus strobus</u>	094
053	<u>Acer saccharum</u>	153	054	<u>Betula papyrifera</u>	092

025	<u>Acer saccharum</u>	151	075	<u>Tsuga canadensis</u>	091
066	<u>Acer saccharum</u>	150	012	<u>Pinus strobus</u>	089
065	<u>Tsuga canadensis</u>	149	016	<u>Populus spp.</u>	089
037	<u>Acer saccharum</u>	147	058	<u>Acer saccharum</u>	088
026	<u>Populus spp.</u>	140	029	<u>Acer saccharum</u>	087
088	<u>Betula papyrifera</u>	136	033	<u>Populus spp.</u>	086
032	<u>Acer saccharum</u>	135	080	<u>Acer saccharum</u>	085
100	<u>Pinus strobus</u>	131	019	<u>Betula papyrifera</u>	084
058	<u>Acer saccharum</u>	129	049	<u>Populus spp.</u>	084
054	<u>Betula papyrifera</u>	125	081	<u>Acer saccharum</u>	084
064	<u>Populus spp.</u>	124	011	<u>Pinus strobus</u>	083
029	<u>Acer saccharum</u>	123	027	<u>Populus spp.</u>	082
093	<u>Populus spp.</u>	114	067	<u>Acer saccharum</u>	082
095	<u>Pinus strobus</u>	110	045	<u>Acer saccharum</u>	080
021	<u>Pinus strobus</u>	100	065	<u>Tsuga canadensis</u>	077
031	<u>Populus spp.</u>	098	034	<u>Pinus strobus</u>	076
019	<u>Betula papyrifera</u>	097	071	<u>Acer saccharum</u>	076
078	<u>Populus spp.</u>	090	031	<u>Populus spp.</u>	075
027	<u>Populus spp.</u>	089	069	<u>Tsuga canadensis</u>	074
016	<u>Populus spp.</u>	084	074	<u>Acer saccharum</u>	074
023	<u>Pinus strobus</u>	084	028	<u>Populus spp.</u>	072
034	<u>Pinus strobus</u>	083	092	<u>Acer saccharum</u>	071
033	<u>Populus spp.</u>	081	046	<u>Quercus rubra</u>	069
018	<u>Populus spp.</u>	074	022	<u>Quercus rubra</u>	068
024	<u>Pinus strobus</u>	074	079	<u>Acer saccharum</u>	068
046	<u>Quercus rubra</u>	069	023	<u>Pinus strobus</u>	066
049	<u>Populus spp.</u>	068	077	<u>Acer saccharum</u>	066
020	<u>Populus spp.</u>	066	015	<u>Pinus banksiana</u>	065
050	<u>Populus spp.</u>	065	025	<u>Acer saccharum</u>	065
017	<u>Pinus resinosa</u>	064	032	<u>Acer saccharum</u>	064
059	<u>Pinus strobus</u>	062	083	<u>Acer saccharum</u>	064
060	<u>Pinus strobus</u>	061	094	<u>Tsuga canadensis</u>	062
051	<u>Pinus strobus</u>	058	009	<u>Pinus resinosa</u>	062
057	<u>Pinus strobus</u>	056	039	<u>Quercus rubra</u>	061
014	<u>Populus spp.</u>	054	053	<u>Acer saccharum</u>	061
056	<u>Populus spp.</u>	054	085	<u>Acer saccharum</u>	061
041	<u>Populus spp.</u>	052	097	<u>Acer saccharum</u>	059
099	<u>Pinus strobus</u>	051	096	<u>Acer saccharum</u>	058
055	<u>Pinus strobus</u>	050	070	<u>Acer saccharum</u>	057
038	<u>Populus spp.</u>	048	042	<u>Pinus strobus</u>	056
044	<u>Pinus strobus</u>	048	001	<u>Acer saccharum</u>	053
011	<u>Pinus strobus</u>	042	062	<u>Acer saccharum</u>	053
043	<u>Populus spp.</u>	042	095	<u>Pinus strobus</u>	051
035	<u>Pinus strobus</u>	040	010	<u>Pinus banksiana</u>	049
101	<u>Pinus strobus</u>	040	087	<u>Betula lutea</u>	047
063	<u>Pinus strobus</u>	038	089	<u>Acer saccharum</u>	046
022	<u>Quercus rubra</u>	037	073	<u>Betula lutea</u>	045
047	<u>Populus spp.</u>	034	002	<u>Acer saccharum</u>	043
040	<u>Populus spp.</u>	032	082	<u>Acer saccharum</u>	041
042	<u>Pinus strobus</u>	028	088	<u>Acer saccharum</u>	041
009	<u>Pinus resinosa</u>	026	086	<u>Acer saccharum</u>	039

052	<u>Pinus resinosa</u>	024	007	<u>Acer saccharum</u>	035
012	<u>Pinus strobus</u>	020	005	<u>Acer saccharum</u>	034
039	<u>Quercus rubra</u>	012	084	<u>Acer saccharum</u>	034
015	<u>Pinus banksiana</u>	005	004	<u>Acer saccharum</u>	031
013	<u>Pinus resinosa</u>	004	006	<u>Acer saccharum</u>	013
010	<u>Pinus banksiana</u>	000	008	<u>Acer saccharum</u>	003
048	<u>Pinus resinosa</u>	000	003	<u>Acer saccharum</u>	000

END

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