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Site 3204: Outer Island #6, Ashland County. 1956-08-2

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STAND RECORD

FORESTS

Stand No. 3204V

Name: OUTER ISLAND #6

Locality: NORTH (ALONG EDGE)

County: ASHLAND CO

T: R: Sec:

Date: 8/2/56

Observers: VOGL, COTTAM, HABECK

Size of Stand ?

Size of Area Sampled: 1000 YD. STRIP

Forest Type: BETULA LUTEA, TSUGA, & THUJA

Soil Type:

Topography: LEVEL

Slope:

Directions E

Condition of Stand: NO EVIDENCE OF CUTTING, EXCEPT ON LAST POINT. THIS STAND PARALLELED THE SHORE, INLAND ABOUT 50 YARDS.

Open Grown Trees:

% Canopy:

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

DEPTH

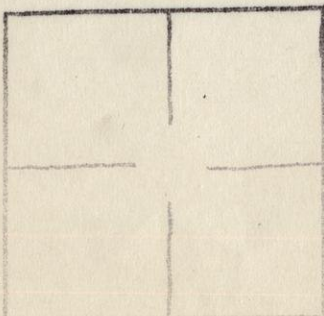
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2"	deciduous needles							
A ₁	3.0"	Dark Brown silt							
A ₂	2.0"	Light tan sandy							
B		Sandy - Redder							

Parent Material:

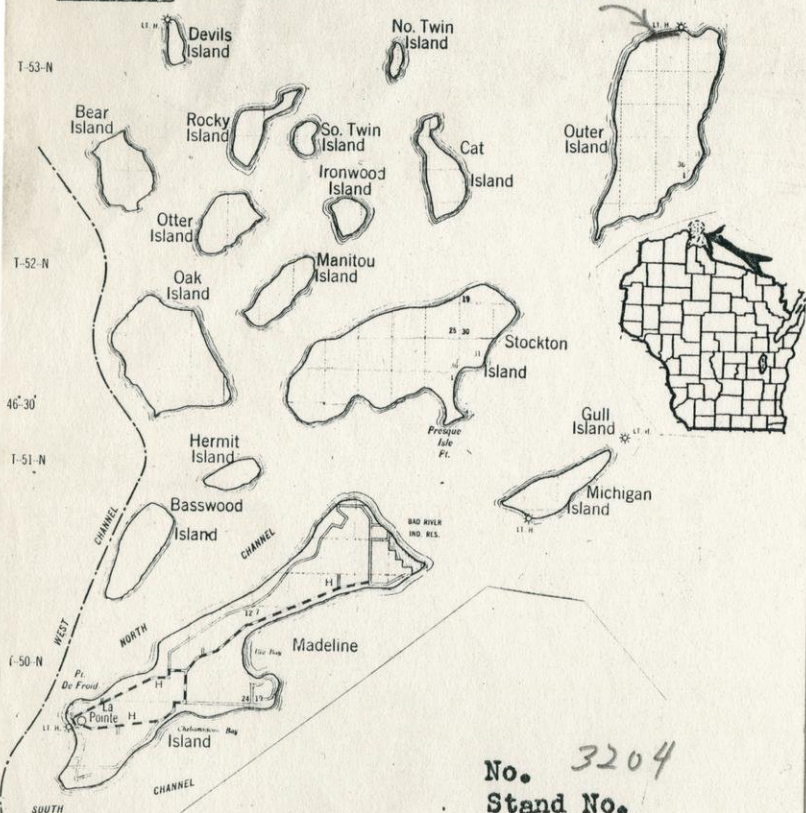
Light - In (low) = 40
= 50

Map:



Northern WISCONSIN
ASHLAND County

APOSTLE ISLANDS in
 LAKE SUPERIOR



No. 3204
 Stand No.
 Date:

Collected by

Grant Cottam
 Richard J. Vogl

Plant Ecology Research
TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

89 160 78-66 16 22, 719, 55

Station Number: 3204

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.
			-80	-320	321										
Abies bals							23	14.8							
Acer rubru	4	4		4		605	2	1.3			4.5	2.5	2.7	9.7	
A. sacchar	2	2		1	1	500	6	3.9			2.2	1.2	2.2	5.6	
A. spicatu															
Betula lut	37	93	40	40	3	9841	21	13.5			41.6	51.9	43.3	136.8	
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo															
Prunus pen	1	1	1			15	2	1.3			1.1	.6	.1	1.8	
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	17	29	6	11	12	9126	44	28.4			19.1	18.1	40.2	77.4	
Thuja occi	18	31	22	9		2117	51	32.9			20.2	19.4	9.3	48.9	
Ulmus amer															
U. fulva															
Pyrus Amer	10	10	9	1		515	6	3.9			11.2	6.3	2.3	19.8	
								100.0			99.9	100.0	100.1	300.0	

AVE. DIST. BTW'N TREES: 14.3
AVE. SAP. DIST. 20.7

AVE B. A.: 142.0

TREES/ACRE: 213.0
101.7

DOM./ACRE: 30246.0
210.0

3204

POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	10
Abies balsamea										
Acer rubrum				1	2	2				1
Acer saccharum		1			95					
Betula lutea	4	350			150 ^v					
Betula papyrifera	370 215 175	220	130 260	160	230	200	✓	30	410 130 40 55	40.0 75.0 14.0
Quercus rubra										
Tsuga canadensis	125	95 370						95 220 350		
Thuja occidentalis			42 [✓] 140	85 45 75		21 20 35	190 92 80		42	
Pyrus americana		2	2		2	2	4	8	13	1
Tree distance	32.0 15.0 16.5 20.0	12.0 26.0 18.0 21.0	4.0 5.0 15.0 20.0	13.5 20.5 18.0 25.0	7.0 14.5 7.0 26.0	17.0 16.0 7.0 14.0	23.5 15.0 27.0 32.0	3.0 6.0 12.0 31.0	10.0 26.0 18.0 16.0	4.0 6.0 16.0 19.0
Sapling distance	3.5 6.0 1.0 17.5	17.0 27.0 40.0 27.0	16.5 50.0 -	48.0 34.0 30.0 -	16.0 17.0 8.5 50.0	18.0 8.5 38.0 19.0	5.0 28.0 22.0 23.0	7.0 7.0 7.0 8.0	8.0 24.0 18.0 25.0	14.5 16.0 14.5 19.0

Y1
2/2
9/17
3/6
5/12
7/2

POINT RECORD TREES APOSTLE ISLANDS

3204

Point Number	11	12	13	14	15	16	17	18	19	20	
Abies balsamea											
Acer rubrum		1	2	1		1	1		1	1	
Acer saccharum								1			
Betula lutea	57 35 95 37 1	30	100 30 75 85	✓	270 140	75 165	35 21	90 50 110	50 150 90	53 46	9/23
Betula papyrifera											
Quercus rubra											
Tsuga canadensis		390 85		440 120		36					3/5
Thuja occidentalis	3	40		55 46	160 155		22 13		2	1	75 5/8
<i>Pyrus</i>		3	1	2	2	1	1			3	4/4
						40		48	35	60	
							1	1			
Tree distance	10.5 12.0 10.5 18.0	13.5 17.0 14.0 22.5	13.5 6.0 4.0 11.5	3.0 8.5 11.0 10.5	26.0 25.0 3.5 22.0	17.0 9.0 9.5 16.0	5.0 6.0 6.0 5.0	22.5 18.0 16.5 3.0	6.5 9.5 16.0 15.0	20.5 15.0 3.0 12.0	
Sapling distance	12.5 10.0 21.0 34.0	9.0 23.0 11.0 49.0	23.0 15.0 41.0 35.0	20.0 42.0 30.0 38.0	42.0 35.0 21.0 18.0	17.0 13.0 26.0 19.0	8.0 7.0 27.0 23.0	7.0 6.0 6.0 35.0	11.0 18.0 21.0 22.0	6.0 19.0 14.5 37.0	

POINT RECORD TREES APOSTLE ISLANDS

3204

Point Number	21	22	23	24	25	26	27	28	29	30
Abies balsamea		2	2	1				7		
Acer rubrum								710		140
Acer saccharum			✓					110		
Betula lutea	305 240 80 21	280 265	422 77 1	34 90	44	250 122 15 180	97 94	230 94	230	21 22 149
Betula papyrifera										
Quercus rubra										
Tsuga canadensis	1	2	1	145 910	680	1	1	2	3	478 160 360 3
Thuja occidentalis	1	110 38	24	45 260	88 2	3	29 18	26	11	1
Pyrcus Amer				1						
Tree distance	22 20 12 21	4 20 21 11	14 10 25 12	9 13 15 20	20 20 23 5	6 12 28 12	7 10 13 16	9 30 13 41	23 7 4 17	3 11 11 18
Sapling distance	18 25 45 24	2 18 14 22	20 31 35 42	16 30 20 15	14 8 19 28	7 11 21 16	14 22 23 32	13 23 13 20	13 26 34 29	9 9 17 10

2/2

10/25

4/6

6/9

POINT RECORD TREES APOSTLE ISLANDS

3204

Point Number	31	32	33	34	35	36	37	38	39	40	
Abies balsamea											
Acer rubrum		160									
Acer saccharum											
Betula lutea	22 115 2	24 75	32 75	15 520 195 78	12 150 1	24 12 75	46		120 190	82 17 1	9/20
Betula papyrifera											
Quercus rubra											
Tsuga canadensis	1270 1300	432	140 460				70	93 22 78	125		7/12
Thuja occidentalis							40				2/2
Pinus strobus						70	63	90	34		4/4
Prunus Pa										15	4/1
Tree distance	8- 20 23 20	3- 22 24 38	6 11 12- 22	16- 16 12 14	12- 13 7- 7	5- 7 10 10	3 11 11- 8-	1 10 11- 24	4 7 18- 17-	13 8- 6 42	
Sapling distance	21 35 42 24	11 34 17 32	14- 22 28 50	19 7 -	17- 24 36 40	10- 7 4 24	7 13- 11- 27	7- 8- 20 41	15- 16 24 34	9- 24 3 5	

Species	Count	Rel. Dens.	Preference	Value
Ac Populus grandid. <i>As acer</i> sp. <i>sp.</i>	6	3.8	3	11.4
<i>P. tremuloides</i>	70	43.8	2	87.6
<i>Corylus cornuta</i>	1	.6	2	1.2
<i>P. pennsylv.</i>				
<i>P. virginiana</i>			3	
<i>Quercus rubra</i>			3	
<i>Ribes americanum</i>			2	
<i>Ribes hudsoni</i>				
<i>Rubus blackberry</i>			3	
<i>R. dewberry</i>			2	
<i>R. parviflorus</i>			3	
<i>R. raspberry</i>			3	
<i>Sambucus rubra</i>			2	
<i>Sorbus americana</i>	1	.6	1	.6
<i>Taxus canadensis</i>	67	41.9	1	41.9
<i>Thuja occident.</i>	14	8.8	1	8.8
<i>Tsuga canadensis</i>	1	.6	1	.6
<i>Vaccinium angust.</i>			2	
<i>V. myrtilloides</i>			2	
TOTAL	160			152.1

Extent of Browse	Count	Rel. Dens.	Weight	Value
O			0	
L			1	
M			2	
H			3	
T			4	
TOTAL				

Ave distance 3.45 Meanarea _____ Browse per acre 3660.5

DEER DAMAGE REPORT FORM

Stand No. 3204

Pt. No.	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con
1	AC	2		AC	4		AC	1		AC	2	
2	AS	1		AS	.5		TAY	1		TAY	2	
3	AS	6		AC	6		AS	6		TO	2	
4	AS	5		AS	7		AS	12.5		AS	10	
5	AC	3		CC	5		AS	1		AS	1	
6	TAY	4		AS	3		TAY	2		TAY	1.5	
7	TAY	4		TO	2.5		TO	3.5		AS	5	
8	TAY	1		TAY	1.5		TAY	2.0		TO	6	
9	TAY	2		AS	3		TAY	1		TAY	4.5	
10	TAY	2		TO	3		TAY	3		TO	3	
11	TAY	1		TAY	2		AS	2		AS	3	
12	TAY	1.5		TAY	4		AS	3		AS	4	
13	TAY	4.0		AS	13.5		TAY	13		AS	10	
14	AS	5		AS	1		AS	4		AS	7	
15	TAY	2		TAY	5		TAY	3		TAY	5	
16	AS	1		AS	3		AS	7		AS	5	
17	TAY	5		TO	6		TAY	6		TAY	6.5	
18	TO	1.5		AS	2		AS	6		TO	6.0	
19	TAY	4		AS	7		AS	3		AS	7	
20	TAY	1		AS	1.5		AS	7		AS	6.5	
21	AS	1/2		AS	6		AS	6		AS	2	
22	TAY	2		TAY	1		TAY	1/2		TAY	2	
23	AS	2		AS	4		AS	3		TO	8	
-24	TO	2		AS	6		TO	2		AS	11	
25	TAY	4		TAY	6		AS	5		TAY	6	
-26	AS	2		TO	6		AS	5		TAY	4	
27	AS	4		TO	4		AS	5		AS	6	
-28	TAY	1		TAY	3		AS	1/2		TAY	3	
29	TAY	5		AS	6		AS	5		TAY	7	
-30	TAY	1		AS	5		TAY	3		TAY	9	
31	AS	3		AS	2		AS	7		AS		
32	TAY	1/2		TAY	1/2		TAY	1		TAY	1/2	
33	TAY	1/2		TAY	1/2		TAY	1/2		TAY	1/2	
34	TAY	1/2		TAY	2		AS	3		TC	2	
35	AS	3		AS	2		AS	1		AS	7	
36	TAY	1		TAY	2		AS	2		AS	1	
37	TAY	1		TAY	1		AS	1		AS	1/2	
38	TAY	1/2		TAY	2		AS	1		PAY	6	
39	TAY	1/2		TAY	1		TAY	1		TAY	1/2	
40	AS	1		AS	1		TAY	1/2		TAY	1	

551.5

ave. dist. 3.45
Browse per acre 3660.5

P.A.M. - Poplar Avenue

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3204
Quadrat No. 1-10

Actaea pachypoda	Fragaria virginiana	Potentilla simplex
Actaea rubra	Galium lanceolatum	Prenanthes alba
Adiantum pedatum	Galium triflorum	Pteridium aquilinum
Allium tricoccum	Gaultheria procumbens	Pyrola elliptica
Anemone quinquefolia	Gaylussacia baccata	Pyrola rotundifolia
Aquilegia canadensis	Geranium maculatum	Pyrola secunda
Aralia nudicaulis	Geum canadense	Ranunculus recurvatus
Aralia racemosa	Gnaphalium obtusifolium	Rhus radicans
Arisaema atrorubens	Helianthemum sp.	Ribes americanum
Aster macrophyllus	Helianthus strumosus	Rosa sp.
Aster sagittifolius	Hepatica acutiloba	Rubus parviflorus
Athyrium angustum	Hepatica americana	Rubus (blackberry)
Botrychium virginianum	Impatiens biflora	Rubus (dewberry)
Brachyelytrum erectum	Linnaea borealis	Sambucus pubens
Carex albursina	Lonicera oblongifolia	Sanguinaria canadensis
Caulophyllum thalictroides	Lupinus perennis	Sanicula gregaria
Chimaphila umbellata	Lycopodium annotinum	Smilacina racemosa
Circaea alpina	Lycopodium complanatum	Smilacina stellata
Circaea latifolia	Lycopodium lucidulum 1,3,5,7,9	Smilax ecirrhata
Clintonia borealis 3,5	Lycopodium obscurum 3,5	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	Streptopus roseus 5
Corallorrhiza maculata	Maianthemum canadense	Taxus canadensis 1,5,7,9
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
Cornus canadensis	Mitella diphylla	Trientalis borealis 5
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
Corylus cornuta	Myrica asplenifolia	Uvularia sessilifolia
Cypripedium acaule	Onoclea sensibilis	Vaccinium angustifolium
Diervilla lonicera	Oryzopsis asperifolia	Vaccinium pennsylvanicum
Dirca palustris	Osmorhiza claytoni	Viburnum acerifolium
Dryopteris linnaeana	Oxalis montana	Viola canadensis
Dryopteris phegopteris	Phryma leptostachya	Viola cucullata
Dryopteris spinulosa 3,7	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides

Acer sp. 1,3,5,9

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3204

Quadrat No. 11-20

Actaea pachypoda	Fragaria virginiana	Potentilla simplex
Actaea rubra	Galium lanceolatum	Prenanthes alba
Adiantum pedatum	Galium triflorum	Pteridium aquilinum
Allium tricoccum	Gaultheria procumbens	Pyrola elliptica
Anemone quinquefolia	Gaylussacia baccata	Pyrola rotundifolia
Aquilegia canadensis	Geranium maculatum	Pyrola secunda
Aralia nudicaulis 19	Geum canadense	Ranunculus recurvatus
Aralia racemosa	Gnaphalium obtusifolium	Rhus radicans
Arisaema atrorubens	Helianthemum sp.	Ribes americanum
Aster macrophyllus	Helianthus strumosus	Rosa sp.
Aster sagittifolius	Hepatica acutiloba	Rubus parviflorus
Athyrium angustum	Hepatica americana	Rubus (blackberry)
Botrychium virginianum	Impatiens biflora	Rubus (dewberry)
Brachyelytrum erectum	Linnaea borealis	Sambucus pubens
Carex albursina	Lonicera oblongifolia	Sanguinaria canadensis
Caulophyllum thalictroides	Lupinus perennis	Sanicula gregaria
Chimaphila umbellata	Lycopodium annotinum	Smilacina racemosa
Circaea alpina	Lycopodium complanatum	Smilacina stellata
Circaea latifolia	Lycopodium lucidulum 17,19	Smilax ecirrhata
Clintonia borealis 17,19	Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	Streptopus roseus
Corallorrhiza maculata	Maianthemum canadense 17	Taxus canadensis 11,15,17,19
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
Cornus canadensis 17,19	Mitella diphylla	Trientalis borealis 17
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
Corylus cornuta	Myrica asplenifolia	Uvularia sessilifolia
Cypripedium acaule	Onoclea sensibilis	Vaccinium angustifolium
Diervilla lonicera	Oryzopsis asperifolia	Vaccinium pennsylvanicum
Dirca palustris	Osmorhiza claytoni	Viburnum acerifolium
Dryopteris linnaeana	Oxalis montana	Viola canadensis
Dryopteris phegopteris	Phryma leptostachya	Viola cucullata
Dryopteris spinulosa 13,17,19	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides

Acer spic 13,19

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3204
Quadrat No. 21-38

Actaea pachypoda	Fragaria virginiana	Potentilla simplex
Actaea rubra	Galium lanceolatum	Prenanthes alba
Adiantum pedatum	Galium triflorum	Pteridium aquilinum
Allium tricoccum	Gaultheria procumbens	Pyrola elliptica
Anemone quinquefolia	Gaylussacia baccata	Pyrola rotundifolia
Aquilegia canadensis	Geranium maculatum	Pyrola secunda
Aralia nudicaulis 71	Geum canadense	Ranunculus recurvatus
Aralia racemosa	Gnaphalium obtusifolium	Rhus radicans
Arisaema atrorubens	Helianthemum sp.	Ribes americanum
Aster macrophyllus	Helianthus strumosus	Rosa sp.
Aster sagittifolius	Hepatica acutiloba	Rubus parviflorus
Athyrium angustum	Hepatica americana	Rubus (blackberry)
Botrychium virginianum	Impatiens biflora	Rubus (dewberry)
Brachyelytrum erectum	Linnaea borealis	Sambucus pubens
Carex albursina	Lonicera oblongifolia	Sanguinaria canadensis
Caulophyllum thalictroides	Lupinus perennis	Sanicula gregaria
Chimaphila umbellata	Lycopodium annotinum	Smilacina racemosa
Circaea alpina	Lycopodium complanatum	Smilacina stellata
Circaea latifolia	Lycopodium lucidulum 21, 23, 27	Smilax ecirrhata
Clintonia borealis 21, 23, 27, 29	Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	Streptopus roseus
Corallorrhiza maculata	Maianthemum canadense 21, 29	Taxus canadensis
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
Cornus canadensis 71	Mitella diphylla	Trientalis borealis 21, 23, 27
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
Corylus cornuta	Myrica asplenifolia	Uvularia sessilifolia
Cypripedium acaule	Onoclea sensibilis	Vaccinium angustifolium
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Dryopteris spinulosa 23, 27	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides

Acor sp. 23, 25, 27, 29

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3204
Quadrat No. 31-40

Actaea pachypoda	Fragaria virginiana	Potentilla simplex
Actaea rubra	Galium lanceolatum	Prenanthes alba
Adiantum pedatum	Galium triflorum	Pteridium aquilinum
Allium tricoccum	Gaultheria procumbens	Pyrola elliptica
Anemone quinquefolia	Gaylussacia baccata	Pyrola rotundifolia
Aquilegia canadensis	Geranium maculatum	Pyrola secunda
15 Aralia nudicaulis 39	Geum canadense	Ranunculus recurvatus
Aralia racemosa	Gnaphalium obtusifolium	Rhus radicans
Arisaema atrorubens	Helianthemum sp.	Ribes americanum
Aster macrophyllus	Helianthus strumosus	Fosa sp.
Aster sagittifolius	Hepatica acutiloba	Rubus parviflorus
Athyrium angustum	Hepatica americana	Rubus (blackberry)
Botrychium virginianum	Impatiens biflora	Rubus (dewberry)
Brachyelytrum erectum	Linnaea borealis	Sambucus pubens
Carex albursina	Lonicera oblongifolia	Sanguinaria canadensis
Caulophyllum thalictroides	Lupinus perennis	Sanicula gregaria
Chimaphila umbellata	Lycopodium annotinum	Smilacina racemosa
Circaea alpina	Lycopodium complanatum	Smilacina stellata
Circaea latifolia	35 Lycopodium lucidulum 37	Smilax ecirrhata
45 Clintonia borealis 39	10 Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	5 Streptopus roseus
Corallorrhiza maculata	20 Maianthemum canadense 39	55 Taxus canadensis 33 37 39
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
15 Cornus canadensis	Mitella diphylla	25 Trientalis borealis
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
Corylus cornuta	Myrica asplenifolia	Uvularia sessilifolia
Cypripedium acaule	Onoclea sensibilis	Vaccinium angustifolium
Diervilla lonicera	Oryzopsis asperifolia	Vaccinium pennsylvanicum
Dirca palustris	Osmorhiza claytoni	Viburnum acerifolium
Dryopteris linnaeana	Oxalis montana	Viola canadensis
Dryopteris phegopteris	Phryma leptostachya	Viola cucullata
45 Dryopteris spinulosa 31 37	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides
65 Aster spic 31, 35, 37		

PRESENCE LIST

Abies balsamea ✓
Acer rubrum ✓
Acer saccharum ✓
Acer spicatum ✓
Amelanchier sp. ✓
Betula lutea ✓
Betula papyrifera
Caprinus caroliniana
Carya cordiformis
Crategeus sp.
Fagus grandiflora
Fraxinus americana
Fraxinus nigra

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Alnus rugosa
Amphicarpa bracteata
Anemone canadensis
Anemone quinquefolia
Antennaria sp.
Apocynum androsaemifolium
Apocynum cannabinum
Aquilegia canadensis
Aralia nudicaulis ✓
Aralia racemosa
Arctostaphylos uva-ursi
Arisaema atrorubens
Asarum canadense
Asclepias phytolaccoides
Aster cordifolius
Aster lateriflorus
Aster macrophyllus
Aster prenanthoides
Aster sagittifolius
Aster shortii
Aster umbellatus
Athyrium angustum
Aureolaria pedicularia
Boehmeria cylindrica
Botrychium virginianum
Brachyelytrum erectum
Bromus purgans
Campanula americana
Carex albursina
Carex pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Chimaphila umbellata
Chiogenes hispidula

NORTHERN PINE-HARDWOODS

Fraxinus pennsylvanica
Juglans cinerea
Larix laricina
Ostrya virginiana
Picea glauca
Pinus banksiana
Pinus resinosa
Pinus strobus ✓
Populus balsamifera
Populus grandidentata
Populus tremuloides
Prunus pennsylvanica
Prunus serotina

HERBS AND SHRUBS

Circaea alpina
Circaea latifolia
Claytonia caroliniana
Claytonia virginiana ✓
Clintonia borealis ✓
Convolvulus spithameus
Coptis trifolia
Corallorrhiza maculata
Corallorrhiza striata
Cornus alternifolia
Cornus canadensis ✓
Cornus femina
Cornus rugosa
Corylus americana
Corylus cornuta
Cryptotaenia canadensis
Cypripedium acaule
Cypripedium pubescens
Cystopteris fragilis
Danthonia spicata
Dentaria diphylla
Desmodium glutinosum
Desmodium nudiflorum
Dicentra canadensis
Dicentra cucullaria
Diervilla lonicera
Dirca palustris
Dryopteris linneana
Dryopteris phegopteris ✓
Dryopteris spinulosa ✓
Epifagus virginiana
Epigaea repens
Equisetum arvense
Erythronium americanum
Fragaria virginiana
Galium aparine
Galium boreale
Galium circaezans
Galium concinnum

Prunus virginiana
Quercus alba
Quercus ellipsoidalis
Quercus macrocarpa
Quercus rubra
Sorbus decora
Thuja occidentalis ✓
Tilia americana ✓
Tsuga canadensis ✓
Ulmus americana
Ulmus fulva
Pyrus ✓

Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Goodyera pubescens
Goodyera repens
Habenaria bracteata
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Hieracium canadense
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
Lactuca canadensis
Laportea canadensis
Lappula virginica
Lathyrus ochroleucus
Ledum groenlandicum
Linnaea borealis
Lonicera canadensis
Lonicera hirsuta
Lonicera oblongifolia
Lonicera prolifera
Luzula multiflora
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum ✓
Lycopodium obscurum ✓
Lycopodium tristachyum
Lycopus americanus
Lycopus uniflora
Lysimachia quadrifolia
Maianthemum canadense ✓

STAND NO. 3204

Melampyrum lineare
 Mitchellia repens
 Mitella diphylla
 Mitella nuda
 Monarda fistulosa
 Moneses uniflora
 Monotropa uniflora
 Myrica asplenifolia
 Onoclea sensibilis
 Oryzopsis asperifolia
 Osmorhiza claytoni
 Osmunda cinnamomea
 Osmunda claytoniana
 Oxalis montana
 Panax quinquefolia
 Parietaria pennsylvanica
 Parthenocissus vitacea
 Pedicularis lanceolata
 Phyrma leptostachya
 Podophyllum peltatum
 Polemonium reptans
 Polygala pauciflora
 Polygonatum commutatum
 Polygonatum pubescens
 Potentilla simplex
 Prenanthes alba
 Pteretis nodulosa
 Pteridium aquilinum

Pyrola elliptica
 Pyrola rotundifolia
 Pyrola secunda
 Ranunculus abortivus
 Ranunculus recurvatus
 Ranunculus septentrionalis
 Rhus radicans
 Rhus typhina
 Ribes americanum
 Ribes cynosbati
 Ribes lacustre
 Ribes triste
 Rubus idaeus
 Rubus parviflorus
 Rubus hispidus
 Rubus - blackberry
 Rubus - dewberry
 Rubus - raspberry
 Sambucus canadensis
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula gregaria
 Schizachne purpurascens
 Scutellaria lateriflora
 Shepherdia canadensis
 Smilacina racemosa
 Smilacina stellata
 Smilax ecirrhata

Smilax herbacea
 Smilax hispida
 Solidago latifolia
 Solidago ulmifolia
 Streptopus amplexifolius
 Streptopus roseus ✓
 Taxus canadensis ✓
 Thalictrum dioicum
 Tiarella cordifolia ✓
 Trientalis borealis ✓
 Trillium cernuum
 Trillium grandiflorum
 Uvularia grandiflora
 Uvularia sessilifolia
 Vaccinium angustifolium
 Vaccinium pennsylvanicum
 Viburnum acerifolium
 Viburnum affine
 Viburnum lentago
 Viola canadensis
 Viola cucullata ✓
 Viola incognita ✓
 Viola pallens
 Viola pubescens
 Vitis aestivalis
 Vitis riparia
 Waldsteinia fragarioides
 Zanthoxylum americanum

Additional Species: