



# LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

## Site 3200: Outer Island, Ashland County. 1956-07-31

[s.l.]: [s.n.], 1956-07-31

<https://digital.library.wisc.edu/1711.dl/LKSCXTMG5Q2K78T>

This material may be protected by copyright law (Title 17, US Code).

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3200 ✓

Name: OUTER ISLAND

Locality: NORTH CENTRAL (OFF MAIN ROAD)

County: ASHLAND

T:

R:

Sec:

Date: 7-31-56

Observers:

Size of Stand ?

Size of Area Sampled: 20 ACRES +

Forest Type: SUGAR MAPLE - YELLOW BIRCH

Soil Type:

Topography: GENTLE SLOPING

Slope:

Directions EAST-NE-NW-W

Condition of Stand: THERE <sup>WERE</sup> SOME LARGE STUMPS PRESENT, BUT EVIDENCE OF OTHER CUTTINGS BOTH PAST AND PRESENT WHERE NOT FOUND. IN SOME PLACES ACER SPICATUM WAS RATHER HEAVY, BUT IT SEEMED TO BE RESTRICTED TO PLACES WHERE THERE HAD BEEN OPENINGS IN THE CANOPY. ALSO SOME DOWNED TSUGA.

Open Grown Trees:

% Canopy: SEE BELOW

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 <sub>0</sub>									
A <sub>1</sub>									
A <sub>2</sub>									
B									

DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A<sub>0</sub> 1-3" Deciduous Leaves

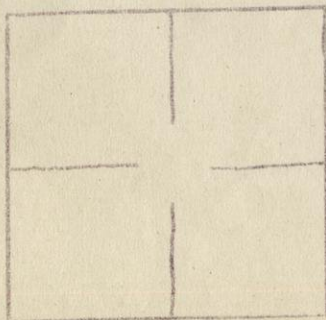
A<sub>1</sub> .5" DARK SANDY

A<sub>2</sub> 5.0" Light Gray - Sandy

B Reddish Brown Sand

Parent Material: TOTAL PROFILE VARIES FROM 6"-12".

Map:

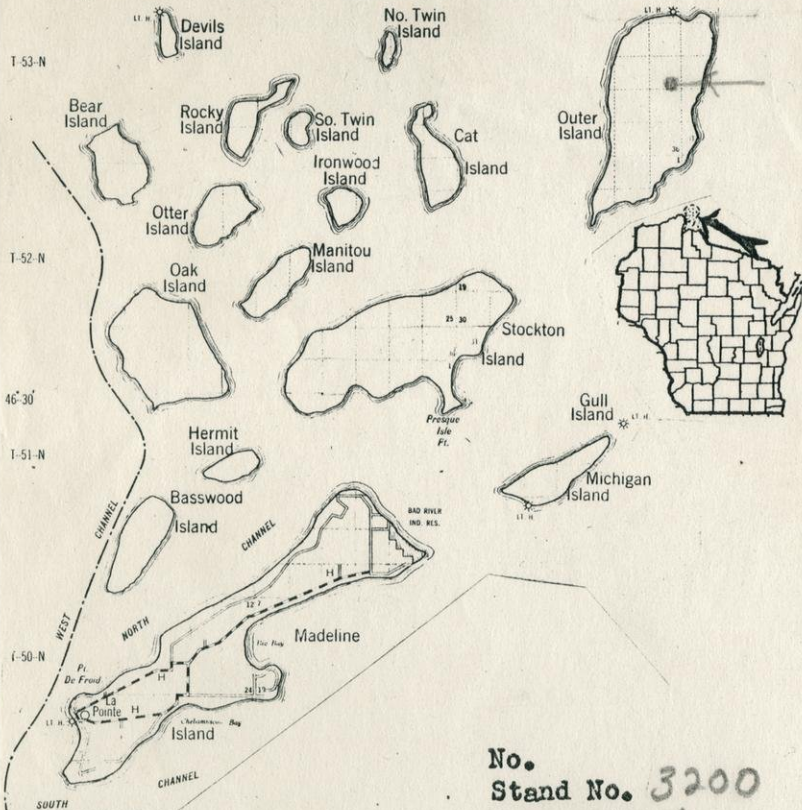


Light Outside: 199 (High Scale)  
Inside: 35 (Low Scale)



Northern WISCONSIN  
ASHLAND County

APOSTLE ISLANDS in  
LAKE SUPERIOR



Collected by

Grant Cottam  
Richard J. Vogl

No.  
Stand No. 3200  
Date: 7/31/56



95EF  
1 2  
95160 50 62 48 39349/60

Northern Pine-Hardwoods

Station Number: 1

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	1	1	1			24	17	10.6			1.1	.6	.1	1.7	
Acer rubru	6	7	6	1		480	11	6.9			6.3	4.4	1.2	11.1	
A. sacchar	33	57	18	26	13	1032	77	48.1			34.7	35.6	26.3	148.5	
A. spicatu															
Betula lut	27	53	17	23	13	1119	36	22.5			28.4	33.1	28.2	69.9	
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinus															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra	5	6	2	3	1	1196	2	1.2			5.3	3.8	3.0	10.0	
Tilia amer															
Tsuga cana	20	33	3	9	2	1604	16	10.0			21.0	20.6	40.8	53.7	
Thuja occi															
Ulmus amer															
U. fulva															
Pyrus Amr	3	3	3			109	1	.6			3.2	1.9	.3	5.2	
								99.9			100.0	100.0	99.9	299.9	

AVE. DIST. BTW'N TREES: 17.5  
ave. Sap. Dist 24.0

AVE B. A.: 245.9

# TREES/ACRE: 142.2  
75.6

DOM./ACRE: 43967.0  
305.3



POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	10
<i>Abies balsamea</i>										
<i>Acer rubrum</i>								40		1
<i>Acer saccharum</i>	40 ✓ 17	105	18 ✓ 55	✓	110 150 55	45	✓	340	2	140
<i>Betula lutea</i>	440	70 70	19 130	440 80	430	130 320 35	390 125 35		780 480	175 125
<i>Betula papyrifera</i>										
<i>Quercus rubra</i>				90						
<i>Tsuga canadensis</i>	105			35			700	310 580	320 165	625
<i>Thuja occidentalis</i>										
<i>Pyrus americana</i>		45								
Tree distance	7.0 12.5 14.5 13.0	7.5 21.0 14.5 22.0	33.0 18.0 10.5 3.0	8.0 12.0 7.5 6.5	13.5 17.5 21.0 14.5	17.0 7.0 6.0 15.0	10.5 13.0 28.0 46.0	13.5 13.0 27.0 7.5	19.0 10.0 13.0 21.0	19.5 23.0 17.0 7.0
Sapling distance	6.0 34.0 11.5 11.5	4.0 7.0 6.5 9.0	7.5 14.5 17.0 34.0	11.0 25.0 7.0 27.0	6.0 37.0 22.0 35.0	10.0 11.5 26.0 27.0	4.0 7.0 15.0 20.0	12.0 35.0 23.0 49.0	34.0 55.0 34.0 47.0	15.0 22.0 30.0 34.0

Y1

7/11

9/18

Y1

6/8

Y1

142  
852  
142  
4.4  
568  
568  
6248

Sugar maple  
11' 4" dead = 1475 2"



POINT RECORD TREES APOSTLE ISLANDS

Point Number	/1	/2	/3	/4	/5	/6	/7	/8	/9	20
<i>Abies balsamea</i>										
		1	2	2			2	1	1	
<i>Acer rubrum</i>		35 35	70				✓ 190			
						1				
<i>Acer saccharum</i>	45 ✓		270 ✓			✓ 145	100 ✓	365	88 ✓	200
									120	
	1	1	1	1	1	3			1	3
<i>Betula lutea</i>	28 90 540 2	250 260		42 112 18 130	150 22 40	230 90	✓ 400	85	210 180	
		2	2	1	1	1	2	2		1
<i>Betula papyrifera</i>										
<i>Quercus rubra</i>						600				
<i>Tsuga canadensis</i>			72.0 380.0		30		745 790 640	640	910	305
	1				1			1	1	
<i>Thuja occidentalis</i>										
PYRUS AMERICANA										1
Tree distance	26.0 22.5 11.5 12.5	6.5 22.0 25.0 24.0	15.0 25.0 14.5 25.0	8.5 17.0 4.5 27.0	17 6 41.0 18	10.5 6 33 20	17 37 24 36	7 28 28 27	8.5 23 12.5 10.5	19 17 15 25
Sapling distance	17.0 10.0 34.0 48.0	13.0 21.0 35.0 33.0	18.0 20.0 51.0 41.0	9.5 37.0 4.0 13.5	26 32 28 41	18 22 6 36	49 45 25 45	37 27 22 31	27.5 38 35 5	3 21 26 46

3/4

7/8

8/18

1/1

6/9



POINT RECORD TREES APOSTLE ISLANDS

3200

Point Number	21	22	23	24	25	26	27	28	29	30
<i>Abies balsamea</i>			24					1		
<i>Acer rubrum</i>		1			45 <sup>1</sup> / <sub>2</sub>				1	
<i>Acer saccharum</i>	22 <sup>2</sup>	460 175 445 7410 <sup>1</sup> / <sub>2</sub>	160		355 43	310 73	340 65	410 310	150 360	38 15 70 180 <sup>1</sup> / <sub>2</sub>
<i>Betula lutea</i>			510 25					64	335 70	
<i>Betula papyrifera</i>	2	1		2	2	1	2	1	1	
<i>Quercus rubra</i>					285 <sup>1</sup> / <sub>2</sub>					
<i>Tsuga canadensis</i>	170 550 300	1	1	235 740 360 147		1150 620	530 475	570	2	
<i>Thuja occidentalis</i>										
Tree distance	9- 12 29 30	16 24 9- 12-	24 7 14- 18	5 21 17- 17	9- 15 36 28	8- 27 26 25	10- 9- 13- 32	13- 27 9- 24	10 8- 28 30	11 8 18 28
Sapling distance	8 41 21 29	38 19 26 41	46 54 58 48	24 26 55 55	9- 11 14- 26	15- 16 24 29	14 27 50 35	10- 12- 35 24	11- 11- 9 8-	3 5 12- 15

Y1

Y1

9/20

3/5

Y1

5/12



POINT RECORD TREES APOSTLE ISLANDS

3200

Point Number	31	32	33	34	35	36	37	38	39	40	
<i>Abies balsamea</i>	2			2	1		1				
<i>Acer rubrum</i>	✓	65									X
<i>Acer saccharum</i>	215 ✓ 1	155 ✓ 60 13	270 370 3	330	410 ✓ 130	17.0 240.0 29.0	44.0 100 1	230 310 3	180 130 3	90 3	101 118
<i>Betula lutea</i>	24 1	640 17	:	260 160 250 1		✓	50.0 30.0	640 150	430	150 180	7/12
<i>Betula papyrifera</i>											
<i>Quercus rubra</i>			13 28				1 1		180		2/3
<i>Tsuga canadensis</i>	720 1050				660					420	3/4
<i>Thuja occidentalis</i>				1	1	2	1				
<i>PYRUS AMERICANA</i>					35	29					2/2
Tree distance	5 14 22 17	7 28 40 21	14.5 25.0 12.0 28.0	8.5 22.0 12.5 20.0	10.0 18.0 13.0 36.0	4.0 8.0 11.0 23.0	10.5 12.0 10.0 22.0	26.0 25.0 16.5 20.0	20.0 25.0 9.0 18.0	7.0 25.0 19.0 23.0	
Sapling distance	15 14 26 44	3 23 28 30	4.0 9.5 10.0 17.0	7.0 18.5 35.0 55.0	9.5 32.0 21.5 44.0	20.0 9.0 27 13	9.0 19.0 28.0 45.0	20.0 42.0 45.0 16.0	3.5 5.0 26.0 65.0	7.0 14.5 13.0 10.5	



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3200  
Quadrat No. 1-10

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

*Acer spic* 5,9



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3200  
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 11,15,17	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 11,13,15,17,19	Smilax ecirrhata
Clintonia borealis 11,17	Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	Streptopus roseus 13
Corallorrhiza maculata	Maianthemum canadense	Taxus canadensis 11,13,15,17,19
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
Cornus canadensis	Mitella diphylla	Trientalis borealis 11
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
Corylus cornuta 15	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 17,	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides

Acor spicatum 11,13,15,19



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3200  
Quadrat No. 21-30

<i>Actaea pachypoda</i>	<i>Fragaria virginiana</i>	<i>Potentilla simplex</i>
<i>Actaea rubra</i>	<i>Galium lanceolatum</i>	<i>Prenanthes alba</i>
<i>Adiantum pedatum</i>	<i>Galium triflorum</i>	<i>Pteridium aquilinum</i>
<i>Allium tricoccum</i>	<i>Gaultheria procumbens</i>	<i>Pyrola elliptica</i>
<i>Anemone quinquefolia</i>	<i>Gaylussacia baccata</i>	<i>Pyrola rotundifolia</i>
<i>Aquilegia canadensis</i>	<i>Geranium maculatum</i>	<i>Pyrola secunda</i>
<i>Aralia nudicaulis</i> 23, 25, 27	<i>Geum canadense</i>	<i>Ranunculus recurvatus</i>
<i>Aralia racemosa</i>	<i>Gnaphalium obtusifolium</i>	<i>Rhus radicans</i>
<i>Arisaema atrorubens</i>	<i>Helianthemum sp.</i>	<i>Ribes americanum</i>
<i>Aster macrophyllus</i>	<i>Helianthus strumosus</i>	<i>Fosa sp.</i>
<i>Aster sagittifolius</i>	<i>Hepatica acutiloba</i>	<i>Rubus parviflorus</i>
<i>Athyrium angustum</i>	<i>Hepatica americana</i>	<i>Rubus (blackberry)</i>
<i>Botrychium virginianum</i>	<i>Impatiens biflora</i>	<i>Rubus (dewberry)</i>
<i>Brachyelytrum erectum</i>	<i>Linnaea borealis</i>	<i>Sambucus pubens</i>
<i>Carex albursina</i>	<i>Lonicera oblongifolia</i>	<i>Sanguinaria canadensis</i>
<i>Caulophyllum thalictroides</i>	<i>Lupinus perennis</i>	<i>Sanicula gregaria</i>
<i>Chimaphila umbellata</i>	<i>Lycopodium annotinum</i> 25	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i> 21, 23	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 21, 23, 25, 29	<i>Lycopodium obscurum</i>	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i>	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i> 25
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 25, 27	<i>Taxus canadensis</i> 23, 27, 29
<i>Cornus alternifolia</i>	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i>	<i>Mitella diphylla</i>	<i>Trientalis borealis</i> 27
<i>Cornus rugosa</i>	<i>Mitella nuda</i>	<i>Trillium grandiflorum</i>
<i>Corylus americana</i>	<i>Monotropa uniflora</i>	<i>Uvularia grandiflora</i>
<i>Corylus cornuta</i> 21	<i>Myrica asplenifolia</i>	<i>Uvularia sessilifolia</i>
<i>Cypripedium acaule</i>	<i>Onoclea sensibilis</i>	<i>Vaccinium angustifolium</i>
<i>Diervilla lonicera</i>	<i>Oryzopsis asperifolia</i>	<i>Vaccinium pennsylvanicum</i>
<i>Dirca palustris</i>	<i>Osmorhiza claytoni</i>	<i>Viburnum acerifolium</i>
<i>Dryopteris linnaeana</i>	<i>Oxalis montana</i>	<i>Viola canadensis</i>
<i>Dryopteris phegopteris</i>	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Dryopteris spinulosa</i>	<i>Polygala pauciflora</i>	<i>Viola pallens</i>
<i>Epifagus virginiana</i>	<i>Polygonatum commutatum</i>	<i>Viola pubescens</i>
<i>Epigaea repens</i>	<i>Polygonatum pubescens</i>	<i>Waldsteinia fragarioides</i>
<i>Aur. spicatum</i> 21, 23, 25, 27, 29		



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3200  
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
50 Aralia nudicaulis 33,35	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	20 Lycopodium annotinum 31,35	Smilacina racemosa
Circaea alpina	Lycopodium complanatum	Smilacina stellata
Circaea latifolia	65 Lycopodium lucidulum 33,37,39	Smilax ecirrhata
55 Clintonia borealis 33,35,37,39	Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	35 Streptopus roseus 31,39
Corallorrhiza maculata	20 Maianthemum canadense 37,39	90 Taxus canadensis 31,33,35,37,39
Cornus alternifolia	10 Mitchella repens 31	Thalictrum dioicum
Cornus canadensis	Mitella diphylla	30 Trientalis borealis 31,35
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
10 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
25 Dryopteris spinulosa 37,39	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides
5 Arundinaceae 31		
75 Acor spatulatum 31,33,35,39		



## PRESENCE LIST

## NORTHERN PINE-HARDWOODS

STAND NO. 3200

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

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

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

## HERBS AND SHRUBS

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

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  
 Cyripedium acaule  
 Cyripedium 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

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 ✓



Data Form No. 17 (P.2)

Melampyrum lineare  
 Mitchella 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:

*Asplenium platyneuron*



APOSTLE ISLANDS. Browse Pressure Form.

Stand No. 3200

Species	Count	Rel. Dens.	Preference	Value
Abies balsamea			3	
Acer rubrum	1	de	1	.6
Ac A. saccharum <del>     </del>	34	21.3	3	63.9
As A. spicatum <del>     </del>	45	28.1	2	56.2
Alnus rugosa			4	
Amelanchier sp.			2	
Berberis Thu.				
Betula lutea	2	1.3	2	2.6
B. papyrifera			3	
Cornus rugosa				
C. stolonifera			2	
Corylus cornuta <del>    </del>	8	5.0	3	15.0
Diervilla Lon.			3	
Fraxinus ameri.			3	
F. nigra			2	
Gaylussacchia b.			3	
Larix laricina			4	
Ledum groenlandicum			3	
Lonicera canad.			2	
L. oblongifolia				
Nemophanthus m.			3	
Ostrya virginiana	3	1.9	4	7.6
Picea glauca			4	
P. mariana			4	
Pinus Strobus			2	



Species	Count	Rel. Dens.	Preference	Value
Populus grandid.			3	
P. tremuloides			3	
Prunus pennsyl.			2	
P. virginiana			3	
Quercus rubra	1	.6	3	1.8
Ribes americanum			2	
Ribes hudsoni.				
Rubus blackberry			3	
R. dewberry			2	
R. parviflorus			3	
R. raspberry			3	
Sambucus pubes.			2	
Sorbus americana			1	
<del>Thuja occident.</del> Taxus canadensis	65	40.6	1	40.6
Thuja occident.			1	
Tsuga canadensis	1	.6	1	.6
Vaccinium angust.			2	
V. myrtilloides			2	
TOTAL	160			188.9

Extent of Browse	Count	Rel. D. Count	Weight	Value
0			0	
I			1	
M			2	
H			3	
T			4	
TOTAL				

Ave distance 3.03 Meanarea \_\_\_\_\_ Browse per acre 4,745.1



DEER DAMAGE REPORT FORM

Stand No. 3200

78.5                      121.0                      129.5                      156.5

Pt. No.	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con
1	Ac	2		TAX	2		TAX	.5		TAX	1	
2	Ac	2.5		Ac	2.5		Ac	3		TAX	3	
3	TAX	1.0		As	1.5		Ac	2		Ac	3	
4	Ac	1.0		Tc	7.0		Ac	2		Ac	2.5	
5	Ac	2		TAX	3.0		TAX	4		TAX	4.5	
6	TAX	3		As	2		As	1.5		TAX	2	
7	TAX	1		Ac	4		TAX	5		Ac	3	
8	Ac	2		TAX	3		TAX	2.5		TAX	2	
9	Ac	3		TAX	2.5		TAX	2.0		Ac	0.5	
10	As	2		Cc	6		TAX	3		TAX	2.5	
11	As	2.0		Cc	2.0		As	3.0		As	1.0	
12	TAX	2.0		As	1.0		TAX	2.5		Cc	5.0	
13	As	1.0		As	3.0		TAX	2.0		As	3.5	
14	Cc	1.0		Ac	3.0		Ac	2.0		Ac	3.0	
15	AS	2.5		Cc	1.5		TAX	2.0		TAX	3.0	
16	AS	1.5		AC	3		AS	4		AC	3	
17	TAX	1		OV	2.5		OV	1		AS	4.5	
18	TAX	2		TAX	4		AS	4		TAX	3	
19	AS	2		TAX	3		TAX	3		TAX	5	
20	TAX	1		TAX	2		AS	6		AC	7	
21	AS	4		OV	5		Cc	4		AS	3	
22	TAX	5		AS	5		AS	4		AC	4	
23	AS	3		AC	6		TAX	6		AC	5	
24	AC	1		AC	3		AC	2		OR	5	
25	BL	3		BL	4		AS	7		AR	10	
26	TAX	1		TAX	1		TAX	2		AS	3	
27	AS	5		AS	5		TAX	3		TAX	4	
28	TAX	1		AS	2		AS	3		TAX	6	
29	TAX	1		AS	4		TAX	4		AS	5	
30	AS	1		AS	1		AS	7		AC	9	
31	AC	2		AC	1		TAX	1		AC	5	
32	TAX	2		AS	1		TAX	2		AS	3	
33	TAX	1.5		TAX	1		TAX	3		AS	7	
34	TAX	2.5		TAX	4.0		AS	7.0		Cc	5.0	
35	As	1.0		TAX	2.0		Cc	3.5		TAX	4.0	
36	TAX	1.0		TAX	.5		TAX	.5		TAX	2.5	
37	Ac	1.5		TAX	3.5		TAX	9.0		Ac	2.5	
38	As	3.0		As	3.5		Ac	2.0		Ac	2.0	
39	TAX	.5		TAX	3.0		TAX	2		TAX	3.5	
40	Ac	3		AS	3		TAX	2.5		AS	6.0	

485.5

OV - OSTRYA VIRGIN.

Ave dist - 3.03  
Browse per acre 4,745.1