



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 3287: Madeline, Ashland County. 1957-07-18

[s.l.]: [s.n.], 1957-07-18

<https://digital.library.wisc.edu/1711.dl/EWPWZ3HXQ6OSX8B>

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.

3287

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3243

Name: *Madelune*
 County: *Ashland*
 Date: *July 18 1957*
 Size of Stand: *50 acres*
 Forest Type: *Hemlock*
 Topography: *level*

Locality: *east end*
 T: _____ R: _____ Sec: _____
 Observers: *Bank*
 Size of Area Sampled: _____
 Soil Type: _____
 Slope: _____ Directions: _____

Condition of Stand:

A few areas have cut stumps - many large windthrown trees

Open Grown Trees:

% Canopy: *99%*

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									

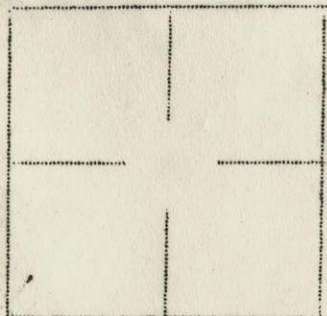
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>149</i>	
A ₁	<i>151</i>	
A ₂	<i>514</i>	
B	<i>red clay</i>	

Parent Material:

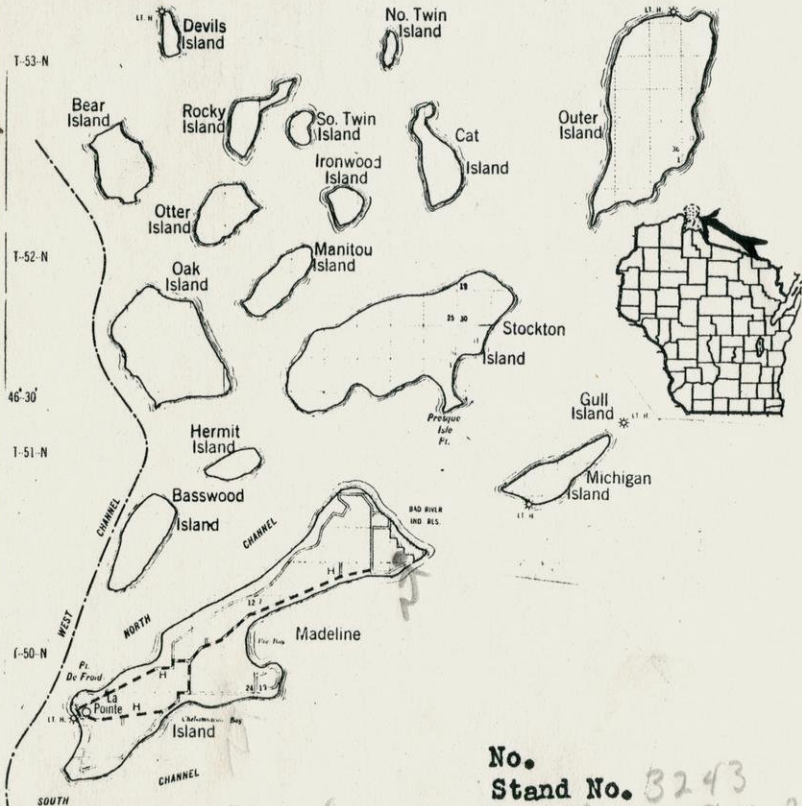
Map:



Light out 122 hi
Light in 15 lo

**Northern WISCONSIN
ASHLAND County**

**APOSTLE ISLANDS in
LAKE SUPERIOR**



Collected by

Beals

No.

Stand No. 3243

Date:

July 18, 1957

Plant Ecology Research
TREE DATA SUMMARY SHEET

University of Wisconsin

Northern Pine-Hardwoods

Station Number: 3243

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFO INDEX	C. I.
			-80	-320	321										
Abies bals	6	6	6			154	30	18.8	25.0		6.2	3.8	0.8	10.8	
Acer rubru	14	17	5	12		1781	18	11.3	80.0		14.4	10.6	9.5	34.5	
A. sacchar	1	1		1		150	9	5.6	5.0		1.0	0.6	0.8	2.4	
A. spicatu	14	22	7	13		220	8		5.0						
Betula lut	14	20	7	13		2750	8	5.0	5.0		14.4	12.5	14.6	41.5	
B. papyrif	10	11	5	6		1255	1	0.6	10.0		10.3	6.9	6.7	23.9	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	39	88	29	55	4	12,166	25	15.6	5.0		40.2	55.0	64.6	159.8	
Thuja occi	12	16	16			489	65	40.6	5.0		12.4	10.0	2.6	25.0	
Ulmus amer															
U. fulva															
Sorbus	1	1	1			80	4	2.5	20.0		1.0	0.6	0.4	2.0	
Amelanchier									10.0						
	97														2158
						18,825									22255

AVE. DIST. BTW'N TREES: 10.31

AVE. B. A.:

TREES/ACRE: 422.5

DOM./ACRE:

sap 2743

117.7

sap 158.8

49,728

3243

Point Number	1	2	3	4	5	6	7	8	9	10
<i>Abies balsamea</i>				40	14					
<i>Acer rubrum</i>	140 ✓	✓	✓		✓	175	135 ✓	11	45 ✓	110 ✓ 140
<i>Acer saccharum</i>		111		11			1	1	1	
<i>Betula lutea</i>	✓ 140						156 140	1		
<i>Betula papyrifera</i>	1					1		150		60
<i>Quercus rubra</i>										
<i>Tsuga canadensis</i>	50 ✓ 130	155 95	400 72	120 120 75	130 120 65	80 180 140	250	24 65 285	48 175 185	100
<i>Thuja occidentalis</i>	17 ✓	80	13 24							
<i>Juniperus</i>	1	1	111	1	111	11	1		11	
Tree distance	10 9 15 14	2 3 4 5	6 8 2 10	4 4 2 24	10 6 11 13	2 4 8 13½	21 22 8½ 8	3 5 5 12	4 15 13 19	7 10 11 20
Sapling distance	16 18 18 33	14 14 14 25	9 9 36 37	72 41 46 37	13 21 17 37	15 32 23 29	10 16 24 25	14 31 55 32	22 35 24 14	17 14 25 34

POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	20
<i>Abies balsamea</i>	✓	20	25							
<i>Acer rubrum</i>	✓	11	111		1	1	90 45	1	11	100W 22
<i>Acer saccharum</i>							1	1	1	1
<i>Betula lutea</i>			70 210	150	140		42	1		35
<i>Betula papyrifera</i>	1300						1		85	1
<i>Quercus rubra</i>										
<i>Tsuga canadensis</i>	125 230 45 11	120 190		300 260 190	85 75 130	230 95	140	70 140 290 45	50 100	250 50
<i>Thuja occidentalis</i>	16		32			40 45	1	1		1
<i>Sorbus</i>	11	11	1111	111	11		1	1	1	
										1
Tree distance	9 4 105	6 20 208	16 27 14 20	7 17 17 31	6 2 9.2 11	6 8 22 12	3 3 13 10	3 4 3 16	2 6 17	8 6 23
Sapling distance	22 34 27 39	6 80 21	5 20 19 24	18 28 55 107	17 17 50 36	17 31 33 2	10 33 10 45	31 25 38 42	12 46 44 41	62 34 27 25

2

4

0

6

20

50

100

150

221

4

62

846

2332

POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	30
<i>Abies balsamea</i>			✓				✓		✓	40
<i>Acer rubrum</i>	✓	✓	✓		✓	111 82	135 77		140	11
<i>Acer saccharum</i>		150	✓							
<i>Betula lutea</i>		111 300	295 190							
<i>Betula papyrifera</i>					50	60	50			
<i>Quercus rubra</i>							1			
<i>Tsuga canadensis</i>	55 80 100 200	75 105	390	95 190 270	140 160 175	36 195	110	65 175 140 130	210 130	160 170 175
<i>Thuja occidentalis</i>			37						17	
<i>Sorbus</i>	111	1	111	11	11	1	1	1	11	1
<i>Amelanchier</i>	✓			80				1	✓	
Tree distance	9 6 9 9	6 11 8 11	4 7 16 9	3 13 9 9	7 3 8 9	7 8 14 5	9 8 7 13	2 3 7 20	14 10 10 13	11 21 11 6
Sapling distance	22 26 21 48	22 44 22 29	11 28 38 25	25 11 58 40	22 12 24 14	5 17 21 18	15 28 40 22	18 14 12 26	16 23 39 17	15 42 23 29

1203

3308

3243

POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	40
Abies balsamea	15									
Acer rubrum	20 ✓	180			11 ✓	95	1 ✓	1 ✓	1	
Acer saccharum	1									
Betula lutea	22		26 110	165 35					55 275	200
Betula papyrifera	1			1	110 ✓ 115	230		45		1
Quercus rubra										
Tsuga canadensis	128	65 120 135	110	30 70	28 110	25 60	36 110	40 390	13 33	395
Thuja occidentalis			18		11	11	11	1	1	11
		1111	11	11			17 31	60		23 19
							1	11	1	1
	1									
			</							

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3243
Quadrat No. 1-10

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 1,3,5
Coptis trifolia 7
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 7,9
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 3
Epifagus virginiana
Epigaea repens

Fragaria virginiana
Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis
Lonicera oblongifolia 7
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum 1,7,9
Lysimachia quadrifolia
Maianthemum canadense 1,3,5,7,9
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus parviflorus
Rubus (blackberry)
Rubus (dewberry)
Sambucus pubens 7
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 1,9
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Acaepie 1,5,7,9

Melampyrum 1

Vib. sp. 1,5,7,9

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3243
Quadrat No. 11-20

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 11, 15, 17, 19
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 13, 15, 19
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 13
Epifagus virginiana
Epigaea repens

Fragaria virginiana
Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis
Lonicera oblongifolia 13
Lupinus perennis
Lycopodium annotinum 19
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum 19
Lysimachia quadrifolia
Maianthemum canadense 11, 15, 17
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens

Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus parviflorus
Rubus (blackberry)
Rubus (dewberry)
Sambucus pubens 19
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 11, 17, 19
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Acer sp. 11, 17, 19
Cypripedium 13

slender grass 13
grass 13

Viola sp. 13, 17, 19
Ribes? 13

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3243
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> 23	<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> 21	<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>Brachelytrum erectum</i>	<i>Linnaea borealis</i>	<i>Sambucus pubens</i> 21
<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>	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i>	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 27, 29	<i>Lycopodium obscurum</i>	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i>	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i>
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 25, 27, 29	<i>Taxus canadensis</i> 27
<i>Cornus alternifolia</i>	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i> 21, 23	<i>Mitella diphylla</i>	<i>Trientalis borealis</i> 29
<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> 21	<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>

Asa sp. 21, 23, 25, 27, 29

Viola sp. 21, 29

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3243
Quadrat No. 3140

<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> 33	<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> 35	<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> 33
<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>	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i> 39	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 31, 35	<i>Lycopodium obscurum</i>	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i>	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i>
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 37	<i>Taxus canadensis</i> 31
<i>Cornus alternifolia</i>	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i> 33, 35	<i>Mitella diphylla</i>	<i>Trientalis borealis</i> 31, 33, 35
<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> 33	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Dryopteris spinulosa</i> 31	<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>

Aca sp. 31, 35
Cypripedium fragariae 37

Viola sp. 33, 35, 37

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3243

~~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

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 circaeans
 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
 Lycopodium americanus
 Lycopodium uniflora
 Lysimachia quadrifolia
~~Maianthemum canadense~~

✓ *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:

DEER DAMAGE REPORT FORM

Stand No. 3243

Pt. No.	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con
1	AC	3	T	CC	6	M	AC	6	H	TO	7	T
2	AC	4	H	BL	9	H	AC	4	T	LC	13	M
3	BL	8	H	TO	2	T	AC	8	H	BL	20	H
4	AC	12	T	FA	27	T	BL	11	H	AR	19	H
5	AC	13	T	AC	23	T	BP	9	T	AC	12	H
6	AC	7	M	CC	10	L	TO	13	T	BP	15	M
7	LC	13	H	AC	3	M	AS	2	L	AR	12	M
8	AR	24	M	AC	17	H	AC	22	M	BL	22	H
9	AR	7	O	BP	14	H	AR	11	L	AC	9	H
10	AC	2	L	AC	3	L	AC	17	T	AC	19	H
11	AR	9	L	AC	5	H	AC	7	H	BL	12	H
12	AC	8	H	AC	9	H	AS	11	M	BP	13	H
13	LC	12	M	AC	1	H	LC	2	L	LC	3	M
14	AC	17	H	AC	11	T	BP	33	H	AC	19	H
15	AC	36	H	AC	16	M	BP	24	T	TO	16	T
16	AC	11	T	LC	13	H	TO	5	T	AC	14	T
17	BP	18	H	AC	26	T	AC	12	M	AR	7	H
18	AR	13	H	AC	13	H	AC	23	H	BP	23	H
19	AC	5	L	AR	12	M	BP	4	H	BP	21	H
20	AR	8	L	AC	6	H	AC	6	H	BL	12	H
21	AC	2	H	AS	2	H	AC	3	H	AC	6	H
22	AC	1	M	AC	2	M	AC	2	M	AC	2	L
23	AC	1	M	AC	2	H	AC	6	M	AC	11	M
24	SP	3	H	AC	2	H	AC	2	H	AC	4	M
25	BP	8	M	AR	13	M	AR	19	H	BP	10	H
26	AC	16	H	AR	14	H	AC	15	M	AC	17	H
27	AR	6	H	AR	9	T	BP	10	T	AR	13	H
28	AR	33	M	AC	17	H	AC	20	H	TO	58	T
29	BP	24	H	AC	3	T	AC	3	T	AM	4	L
30	BP	10	T	BP	20	H	BP	25	H	AC	42	H
31	AR	7	L	BL	7	M	AC	7	H	AC	20	M
32	AC	14	H	AC	14	H	BP	11	T	CC	31	O
33	BP	16	M	AC	8	L	AC	13	M	AC	5	H
34	AR	2	H	BL	7	M	AC	14	L	AC	9	M
35	AC	2	H	AC	3	H	AC	4	H	AC	3	M
36	BP	4	H	AC	16	L	AC	12	L	AC	16	H
37	AC	4	M	BP	23	T	AC	29	H	BL	21	H
38	AC	6	H	AM	8	L	BL	31	L	AC	24	T
39	AC	17	H	AC	16	H	AS	8	L	AC	14	L
40	AC	24	M	AC	30	H	AS	23	L	AC	37	M

405

838

1328

1945

SP Solms

are dis 13, 21

are dis 13, 21