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Site 6084 (Boreal Stand 84): Young State Park, Charlevoix County, Michigan, Township 33N, Range 6W, Section 21. 1956-07-21

[s.l.]: [s.n.], 1956-07-21

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STAND RECORD

FORESTS

Stand No. 84

Name: Young State Park

County: Charlevoix, S. Michigan

Date: July 21, 1956

Size of Stand: 30 acres

Forest Type: Balsam - Popple - Ash

Topography:

Slightly Rolling

Locality: 25 yd int
1 1/2 W. of Boyne City

T: 33N

R: 6W

Sec: 21 SW 1/4

Observers: PFM, JEM

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

Previously burned & logged.

Most of stand 200 yrs old

Some blowdown in spots - acting mostly on balsam - dying out & converting gradually to hardwoods

Wet-Menic Site

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.

A₀A₁A₂

B

DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A₀ 1/2 leaves

1/2 leaves

1/2 leaves

A₁ 10" black crumbly

9" black crumbly

11" black

A₂

B white sand

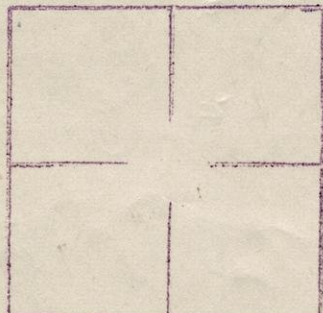
white sand

white sand

some gravel

Parent Material:

Map:



One Trembling Aspen - 375 sq in BA - BH
 White cedar - 600 sq in BA - BH

TREE DATA SUMMARY SHEET

spruce-fir, spruce-fir-mixed hardwoods
~~Northern Pine-Hardwoods~~

✓ Station Number: 6084

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	20	27				1363	18	15.0		66.6	20.8	22.5	18.0	61.3	
Acer rubru	10	13				1255	9	7.5		33.3	10.4	10.8	16.6	37.8	
A. sacchar							1	0.8							
A. spicatu							5	4.2							
Betula lut	11	13				739	20	16.7		36.6	11.5	10.8	9.8	32.1	
B. papyrif	2	2				165	2	1.7		6.7	2.1	1.7	2.2	6.0	
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	1	1				55				3.3	1.0	0.8	0.7	2.5	
Pinus Bank															
P. resinosa															
P. Strobus	2	2				140	1	0.8		6.7	2.1	1.7	1.8	5.6	
Populus ba															
P. grandid	1	1				50				3.3	1.0	0.8	0.7	2.5	
P. tremulo	6	6				680				20.0	6.3	5.0	9.0	20.3	
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer	2	2				270	2	1.7		6.7	2.1	1.7	3.6	7.4	
Tsuga cana	4	5				119	15	12.5		13.3	3.2	4.2	1.6	9.0	
Thuja occi	17	27				1309	36	30.0		56.6	17.7	22.5	17.3	57.5	
Ulmus amer	3	3				355	3	2.5		10.0	3.1	2.5	4.7	10.3	
U. fulva															
Frax. amer	7	7				640				23.3	8.3	5.8	8.4	22.5	
Frax. nigr.	10	11				431	8	6.7		33.3	10.4	9.2	5.6	25.2	
TOTALS	96	120				7571	120	100.0		319.7	100.0	100.0	100.0	300.0	

AVE. DIST. BTW'N TREES:

9.3

AVE. B. A.:

63.1

TREES/ACRE:

504

DOM./ACRE:

31,802

Stand No. 84 (1)

Distance

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 84(2)

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 84 (3)

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	4-90 8 1/2-50	12 1/2-85	5-35	5 10-60 16-65	18-40		6-28 9 1/2-40		6-30 16-50	7 14
Acer rubrum			22-200	7-85	19 2 1/2-65 21-55	4-40	12 13-150			11-80 14
A. sacchar.										
A. spicatum						14 9 1/2	11			
Betula lut.	7 1/2-40	11 4-15-16 8 1/2-50 22	22	21	7		22 13-40			
B. papyrif				13		3 1/2-120				
Carpinus car										
Fagus gran			9-35						7-90	7-50
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus				7 1/2-95						
Populus bals										
P. grand										
P. trem	9 1/2-200									
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	12 1/2 15	20						22		6
Thuja occ		18	21 25	9 1/2		12 1/2-25 18 16-55 26	12-90 25	13-40 20 6-50 10	10 1/2-50 20 15 13-60 27	8 1/2-40 17
Ulmus amer	25									
U. fulva										
Max mgn			3-25		17-35 12		14 7-30 35			
Canopy	60	40	45	50	60	60	45	80	65	70
Litter	2	3	1 1/2	2	2	2	2	1 1/2	1 1/2	3
Distance										

Av. Canopy = 60%

Av. Litter = 2.0"

	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Achillea millefolium																							
Actaea pachypoda	✓																						/
Actaea rubra	✓																						/
Adiantum pedatum	✓																						/
Agastache foeniculum																							
Agrimonia gryposepala																							
Agrostis perennans																							
Allium tricoccum																							
Alnus crispa																							
Alnus rugosa	✓																						/
Amphicarpa bracteata																							
Anaphlis margaritacea																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Anemone virginiana																							
Antennaria spp.																							
Apocynum androsaemifolium																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓	✓																				1	7
Aralia racemosa	✓																						/
Arctostaphylos uva-ursi																							
Arenaria lateriflora																							
Arisaema atropurpureum	✓		✓				✓									✓						3	20
Asarum canadense																							
Asclepias exaltata																							
Aster acuminatus																							
Aster ciliolatus																							
Aster furcatus																							
Aster lateriflorus	✓																						1
Aster macrophyllus																							
Aster nova-angliae																							
Aster paniculatus																							
Aster puniceus																							
Aster sagittifolius																							
Aster umbellatus	✓																						1
Athyrium filix-femina	✓															✓						1	7
Athyrium thelypteroides																							
Botrychium lanceolatum																							
Botrychium lunaria																							
Botrychium matricariaefolium																							
Botrychium multifidum																							
Botrychium virginianum	✓			✓																		1	7
Brachyelytrum erectum																							
Caltha palustris																							
Calypso bulbosa																							
Campanula rotundifolia																							
Carex arctata	✓	✓																				1	7
Carex aurea																							
Carex brunnescens																							
Carex canescens																							

[illegible]

University of Wisconsin
STAND NO. 84

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 84

TREES

- ✓ *Abies balsamea*
- ✓ *Acer pensylvanicum*
- ✓ *Acer rubrum*
- ✓ *Acer saccharum*
- ✓ *Acer spicatum*
- ✓ *Amelanchier* spp.
- ✓ *Betula lutea*
- ✓ *Betula papyrifera*
- ✓ *Carpinus caroliniana*
- ✓ *Crataegus* spp.
- ✓ *Fagus grandifolia*
- ✓ *Fraxinus americana*

- ✓ *Fraxinus nigra*
- ✓ *Fraxinus pennsylvanicum*
- ✓ *Larix laricina*
- ✓ *Ostrya virginiana*
- ✓ *Picea glauca*
- ✓ *Picea mariana*
- ✓ *Pinus banksiana*
- ✓ *Pinus resinosa*
- ✓ *Pinus strobus*
- ✓ *Populus balsamifera*
- ✓ *Populus grandidentata*
- ✓ *Populus tremuloides*

- ✓ *Prunus nigra*
- ✓ *Prunus pensylvanica*
- ✓ *Prunus serotina*
- ✓ *Prunus virginiana*
- ✓ *Pyrus americana*
- ✓ *Pyrus decora*
- ✓ *Quercus rubra* var. *borealis*
- ✓ *Thuja occidentalis*
- ✓ *Tilia americana*
- ✓ *Tsuga canadensis*
- ✓ *Ulmus americana*
- ✓ *Ulmus rubra*

SHRUBS

- ✓ *Alnus crispa*
- ✓ *Alnus rugosa*
- ✓ *Arctostaphylos uva-ursi*
- ✓ *Celastrus scandens*
- ✓ *Chamaedaphne calyculata*
- ✓ *Comptonia peregrina*
- ✓ *Cornus alternifolia*
- ✓ *Cornus racemosa*
- ✓ *Cornus rugosa*
- ✓ *Cornus stolonifera*
- ✓ *Corylus americana*
- ✓ *Corylus cornuta*
- ✓ *Diervilla lonicera*
- ✓ *Dirca palustris*
- ✓ *Empetrum nigrum*
- ✓ *Gaylussaccia baccata*
- ✓ *Hamamelis virginiana*
- ✓ *Ilex verticillata*
- ✓ *Juniperus communis*
- ✓ *Juniperus horizontalis*
- ✓ *Ledum groenlandicum*
- ✓ *Lonicera canadensis*
- ✓ *Lonicera dioica*

- ✓ *Lonicera hirsutum*
- ✓ *Lonicera involucrata*
- ✓ *Lonicera oblongifolia*
- ✓ *Lonicera villosa*
- ✓ *Parthenocissus quinquefolia*
- ✓ *Parthenocissus vitacea*
- ✓ *Prunus pumila*
- ✓ *Pyrus melanocarpa*
- ✓ *Rhamnus alnifolia*
- ✓ *Rhus glabra*
- ✓ *Rhus typhina*
- ✓ *Ribes americanum*
- ✓ *Ribes cynosbati*
- ✓ *Ribes glandulosum*
- ✓ *Ribes hirtellum*
- ✓ *Ribes lacustre*
- ✓ *Ribes oxycanthoides*
- ✓ *Ribes triste*
- ✓ *Rosa* sp.
- ✓ *Rubus allegheniensis*
- ✓ *Rubus* (blackberry)
- ✓ *Rubus* (dewberry)
- ✓ *Rubus* (raspberry)

- ✓ *Rubus idaeus*
- ✓ *Rubus parviflorus*
- ✓ *Salix* sp.
- ✓ *Sambucus canadensis*
- ✓ *Sambucus pubens*
- ✓ *Shepherdia canadensis*
- ✓ *Smilax tamnoides* var. *hispida*
- ✓ *Spiraea alba*
- ✓ *Spiraea latifolia*
- ✓ *Symphoricarpos albus*
- ✓ *Symphoricarpos occidentalis*
- ✓ *Taxus canadensis*
- ✓ *Vaccinium angustifolium*
- ✓ *Vaccinium myrtilloides*
- ✓ *Vaccinium vitis-idaea*
- ✓ *Viburnum acerifolium*
- ✓ *Viburnum cassinoides*
- ✓ *Viburnum edule*
- ✓ *Viburnum lentago*
- ✓ *Viburnum rafinesquianum*
- ✓ *Viburnum trilobum*
- ✓ *Vitis vulpina*
- ✓ *Zanthoxylum americanum*

HERBS

- ✓ *Achillea millefolium*
- ✓ *Actaea pachypoda*
- ✓ *Actaea rubra*
- ✓ *Adiantum pedatum*
- ✓ *Agrimonia gryposepala*
- ✓ *Agrostis perennans*
- ✓ *Allium tricoccum*
- ✓ *Amphicarpa bracteata*
- ✓ *Anaphalis margaritacea*
- ✓ *Anemone canadensis*
- ✓ *Anemone cylindrica*
- ✓ *Anemone quinquefolia*
- ✓ *Anemone virginiana*
- ✓ *Antennaria* sp.
- ✓ *Apocynum androsaemifolium*
- ✓ *Aquilegia canadensis*
- ✓ *Aralia nudicaulis*
- ✓ *Aralia racemosa*
- ✓ *Arisaema atrorubens*
- ✓ *Asarum canadense*
- ✓ *Asclepias exaltata*
- ✓ *Aster furcatus*
- ✓ *Aster macrophyllus*
- ✓ *Aster nova-angliae*
- ✓ *Aster paniculatus*

- ✓ *Aster puniceus*
- ✓ *Aster sagittifolius*
- ✓ *Aster umbellatus*
- ✓ *Athyrium filix-femina*
- ✓ *Athyrium thelypteroides*
- ✓ *Botrychium lunaria*
- ✓ *Botrychium matricariaefolium*
- ✓ *Botrychium multifidum*
- ✓ *Botrychium virginianum*
- ✓ *Calypso bulbosa*
- ✓ *Campanula rotundifolia*
- ✓ *Carex arctata*
- ✓ *Carex intumescens*
- ✓ *Carex pensylvanica*
- ✓ *Carex woodii*
- ✓ *Carex* spp.
- ✓ *Chimaphila umbellata*
- ✓ *Chrysanthemum leucanthemum*
- ✓ *Chrysosplenium americanum*
- ✓ *Cinna latifolia*
- ✓ *Circaea alpina*
- ✓ *Claytonia caroliniana*
- ✓ *Claytonia virginiana*
- ✓ *Clematis virginiana*
- ✓ *Clematis verticillaris*

- ✓ *Clintonia borealis*
- ✓ *Comandra richardsiana*
- ✓ *Comandra umbellata*
- ✓ *Coptis groenlandicum*
- ✓ *Corallorhiza maculata*
- ✓ *Corallorhiza striata*
- ✓ *Corallorhiza trifida*
- ✓ *Cornus canadensis*
- ✓ *Corydalis sempervirens*
- ✓ *Cynoglossum officinale*
- ✓ *Cypripedium acaule*
- ✓ *Cypripedium calceolus* var. *pubescens*
- ✓ *Cystopteris fragilis*
- ✓ *Dalibarda repens*
- ✓ *Desmodium glutinosum*
- ✓ *Dicentra canadensis*
- ✓ *Dicentra cucullaria*
- ✓ *Dryopteris cristata*
- ✓ *Dryopteris disjuncta*
- ✓ *Dryopteris goldiana*
- ✓ *Dryopteris marginalis*
- ✓ *Dryopteris phegopteris*
- ✓ *Dryopteris spinulosa*

PRESENCE LIST

SPRUCE-FIR - MIXED HARDWOODS

STAND 84

Epigaea repens
Epilobium angustifolium
~~*Epilobium glandulosum*~~
~~*Epilobium strictum*~~
Equisetum pratense
Equisetum sylvaticum
Erigeron annuus
Erigeron philadelphicus
Erigeron strigosus
Erythronium albidum
Erythronium americanum
Fragaria vesca
~~*Fragaria virginiana*~~
Galium aparine
Galium boreale
Galium concinnum
Galium lanceolatum
~~*Galium triflorum*~~
Gaultheria hispidula
Gaultheria procumbens
Gentiana andrewsii
Gentiana crinata
Gentiana quinquefolia
Geocaulon lividum
Geranium bicknellii
Geranium maculatum
~~*Geum rivale*~~
Goodyera repens
Goodyera tessellata
Habenaria hyperborea
Habenaria orbiculata
Habenaria psycodes
Habenaria viridis
Halenia deflexa
Helianthus strumosus
Hepatica acutiloba
Hepatica americanum
Hieracium aurantiacum
Hieracium canadense
Hieracium scabrum
Impatiens capensis
Iris lacustris
~~*Isopyrum biternatum*~~
Lathyrus ochroleucus
~~*Linnaea borealis*~~
Lobelia inflata
Lycopodium annotinum
Lycopodium clavatum
Lycopodium clavatum var. megastachyon
Lycopodium complanatum
Lycopodium inundatum

~~*Lycopodium lucidulum*~~
Lycopodium obscurum
Lycopodium obscurum var. dendroideum
Lycopodium selago
Lycopodium tristachyum
Lysimachia ciliata
Lysimachia quadrifolia
Lysimachia terrestris
~~*Maianthemum canadense*~~
~~*Malaxis unifolia*~~
~~*Medeola virginiana*~~
Melampyrum lineare
~~*Mitchella repens*~~
~~*Mitella diphylla*~~
~~*Mitella nuda*~~
Moneses uniflora
Monotropa hypopithys
Monotropa uniflorus
Onoclea sensibilis
Orchis spectabilis
~~*Osmorhiza claytoni*~~
Osmorhiza longistylis
Osmunda cinnamomea
~~*Osmunda claytoniana*~~
Oxalis montana
Oxalis stricta
Panax quinquefolius
Panax trifolius
Petasites palmatus
Phlox divaricata
Poa compressa
Poa pratensis
~~*Polygala paucifolia*~~
Polygonatum biflorum
~~*Polygonatum pubescens*~~
Polymnia canadensis
Polypodium virginianum
Potentilla norvegica
Potentilla simplex
Potentilla tridentata
Prenanthes alba
Primula mistassinaca
~~*Prunella vulgaris*~~
~~*Pteridium aquilinum*~~
Pyrola asarifolia
Pyrola elliptica
Pyrola minor
Pyrola rotundifolia
Pyrola secunda
Pyrola virens
Ranunculus abortivus

Ranunculus acris
Ranunculus pensylvanicus
~~*Ranunculus recurvatus*~~
Ranunculus repens
Ranunculus septentrionalis
~~*Rhus radicans*~~
~~*Rubus pubescens*~~
Sanguinaria canadensis
Sanicula marilandica
Satureja vulgaris
Schizachne purpurascens
Scutellaria epilobiifolia
Scutellaria lateriflora
~~*Smilacina racemosa*~~
Smilacina stellata
Smilacina trifolia
Smilax herbacea
Solidago canadensis
Solidago flexicaulis
Solidago graminifolia
Solidago ulmifolia
Stellaria calycantha
Streptopus amplexifolius
Streptopus roseus
Taraxacum officinale
Thalictrum dioicum
Thalictrum polygamum
Tiarella cordifolia
~~*Trientalis borealis*~~
Trillium cernuum
Trillium erectum
~~*Trillium grandiflorum*~~
Trillium undulatum
Uvularia grandiflora
Uvularia sessilifolia
Vicia americana
Viola adunca
Viola blanda
Viola canadensis
~~*Viola conspersa*~~
Viola cucullata
~~*Viola incognita*~~
Viola nephrophylla
~~*Viola pallens*~~
Viola papilionacea
Viola pubescens
Viola renifolia
Viola selkirkii
Viola sororia
Waldsteinia fragarioides

Additional species

Mosses
Lichens - Petegras + C. conioidea on bases trees
~~*Carex pedunculata*~~
~~*Eupatorium maculatum*~~
~~*Oryzopsis asperifolia*~~
~~*Sium canadense*~~
~~*Cirsium latifolium*~~
~~*Chenopodium alba*~~
~~*Aster lateriflorus*~~

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 84 (1)

TREE SEEDLINGS

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa

87654321 *Thax nigra*

SHRUBS

Prunus pumila
Pyrus melanocarpa
Ribes cynosbati
Ribes glandulosum
Ribes lacustre
Rosa sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
Rubus idaeus

874

HERBS

87 *Dryopteris spinulosa*
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
Fragaria virginiana
Galium aparine
 075432 *Galium triflorum*
Gaultheria hispida
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
 96432 *Maianthemum canadense*
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

857 *Thax acer*

Pinus strobus
 751 *Populus tremuloides*
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
 3 *Tilia americana*
Tsuga canadensis

87651 *Thunus nig*
3 *Ulmus americ*

Rubus parviflorus
 76 *Sambucus pubens*
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
 07653 *Taxus canadensis*
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

5821 *Mitella nuda*

Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
 1 *Rubus pubescens*
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
Streptopus roseus
Tiarella cordifolia
 831 *Trientalis borealis*
Trillium erectum
 9 *Trillium grandiflorum*
Uvularia sessilifolia
Viola canadensis
Viola cucullata
 765 *Viola pallens*
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

7654 *Viola m. cognata*
8 *Viola confersa*

9 *Abies balsamea*
Acer pensylvanicum
 8765431 *Acer rubrum* 90
 0 *Acer saccharum*
 9 *Acer spicatum*
 08 *Betula lutea*
 42 *Betula papyrifera*

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
Corylus cornuta
Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
Lonicera canadensis
 31 *Cornus alternifolia*

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphalis margaritacea
Anemone cylindrica
Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
 1 *Aralia nudicaulis*
 62 *Arisaema atrorubens*
Aster macrophyllus
Athyrium filix-femina
 3 *Botrychium virginianum*
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
 0765432 *Circaea alpina*
Claytonia caroliniana
Claytonia virginiana
 8 *Clintonia borealis*
 1 *Coptis groenlandicum*
Corallorhiza maculata
Cornus canadensis
 2 *Cystopteris fragilis*
Dicentra canadensis
Dicentra cucullaria
 8652 *Dryopteris disjuncta*
Dryopteris phegopteris

Additional species

Morpha 2357890
Lichens 39
Carex pedunculata 127
Clematis virgin 1
Carex metata 1

FREQUENCY DATA
(Common Species)

SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 84(2)

TREE SEEDLINGS

Abies balsamea
Acer pensylvanicum
5434 Acer rubrum
Acer saccharum
Acer spicatum
Betula lutea
Betula papyrifera

Fagus grandifolia
Larix laricina
Ostrya virginiana
Picea glauca
Picea mariana
Pinus banksiana
Pinus resinosa

541 7m x 1m

SHRUBS

Alnus rugosa
Arctostaphylos uva-ursi
Comptonia peregrina
Corylus americana
Corylus cornuta
Diervilla lonicera
Dirca palustris
Ilex verticillata
Ledum groenlandicum
Lonicera canadensis

Prunus pumila
Pyrus melanocarpa
Ribes cynosbati
Ribes glandulosum
Ribes lacustre
Rosa sp.
Rubus (blackberry)
Rubus (dewberry)
Rubus (raspberry)
3 Rubus idaeus

HERBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Anaphalis margaritacea
Anemone cylindrica
Anemone quinquefolia
Anemone virginiana
Antennaria spp.
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
5 Arisaema atrorubens
Aster macrophyllus
5 Athyrium filix-femina
Botrychium virginianum
Carex pensylvanica
Chimaphila umbellata
Chrysanthemum leucanthemum
5432 Circaea alpina
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
Coptis groenlandicum
Corallorhiza maculata
Cornus canadensis
5 Cystopteris fragilis
Dicentra canadensis
Dicentra cucullaria
Dryopteris disjuncta
Dryopteris phegopteris

53 Dryopteris spinulosa
Epigaea repens
Epilobium angustifolium
Equisetum sylvaticum
Erythronium americanum
Fragaria vesca
Fragaria virginiana
Galium aparine
5432 Galium triflorum
Gaultheria hispidula
Gaultheria procumbens
Gentiana quinquefolia
Geranium maculatum
Goodyera repens
Habenaria obtusata
Halenia deflexa
Hepatica acutiloba
Hepatica americana
Hieracium aurantiacum
Linnaea borealis
Lycopodium annotinum
Lycopodium clavatum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
513 Maianthemum canadense
Medeola virginiana
Melampyrum lineare
Mitchella repens
Mitella diphylla

4 7m x 1m

Pinus strobus
3 Populus tremuloides
Prunus pensylvanica
Prunus serotina
Thuja occidentalis
Tilia americana
Tsuga canadensis
4 10m x 1m
Rubus parviflorus
2 Sambucus pubens
Shepherdia canadensis
Spiraea alba
Symphoricarpos occidentalis
3 Taxus canadensis
Vaccinium angustifolium
Vaccinium myrtilloides
Viburnum acerifolium
Viburnum trilobum

4 Mitella diphylla

52 Mitella nuda
Monotropa uniflora
Osmorhiza claytoni
Oxalis montana
Oxalis stricta
Polygala paucifolia
Polygonatum pubescens
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus acris
Rhus radicans
52 Rubus pubescens
Sanguinaria canadensis
Smilacina racemosa
Smilacina stellata
Streptopus roseus
Tiarella cordifolia
Trientalis borealis
Trillium erectum
Trillium grandiflorum
Uvularia sessilifolia
Viola canadensis
Viola cucullata
4 Viola pallens
Viola pubescens
Viola renifolia
Waldsteinia fragarioides

4 2m x 1m

Additional species

Mapes 21345
Lichens
Carex pedunc 5