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Site 3586: Price County, Township 35N, Range 3E, Section 29. 1953-07-14

[s.l.]: [s.n.], 1953-07-14

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Yard

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3586

Name: Price
County:
Date: 7-14-53

Locality: T: 35N R: 3E Sec: 29
Observers: Christensen

Size of Stand: Size of Area Sampled:
Forest Type: Soil Type:
Topography: flat boggy - swampy, standing water. Directions

Condition of Stand: Sphagnum + Polytrichum cover floor. Some slight rise.

An open boggy - swampy yard. In part with largest trees, considerable cutting has been done in past. In the younger bog no cutting. Nemopanthus and Acer rubrum have been universally browsed - moderately to heavy. Deer trails observed. A few tip-ups. Considerable rabbit browsing.

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									

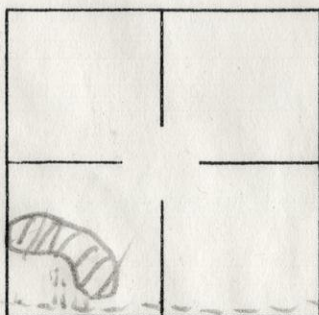
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A₀ -----
A₁ -----
A₂ -----
B -----

Parent Material:

Map:



Quadrats with 1st 20 points.
East of the area sampled heavy cutting of balsam was done last year. This apparently pulled deer to that area. It is more upland and very open with slash all over.
X = browse production

Northern Pine-Hardwoods

Station Number: 3586

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	11	18	18			421	32	20.25		27.5	11.96	11.25	8.58	31.79	95.37 143.05
Acer rubru	13	18	17	1		731	5	3.16	5	32.5	14.13	11.25	14.90	40.28	81.96 241.68
A. sacchar															
A. spicatu															
Betula lut	12	18	16	2		846	2	1.27	10	30.0	13.04	11.25	17.24	41.53	269.94 311.47
B. papyrif	1	1	1			50	1	0.63		2.5	1.09	0.63	1.02	2.74	12.33 13.70
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau							1	0.63	5						
Pinus Bank															
P. resinosa															
P. Strobus	1	1	1			50				2.5	1.09	0.63	1.02	2.74	8.22 10.96
Populus ba															
P. grandid															
P. tremulo															
Prunus pen															
Quercus el															
Q. rubra															
Tilia amer							4	2.53							
Tsuga cana	3	3	3			94	1	0.63		7.5	3.26	1.88	1.92	7.06	52.95 60.01
Thuja occi	1	1	1			64				2.5	1.09	0.63	1.30	3.02	6.02 12.08
Ulmus amer							1	0.63							
U. fulva							2	1.27							
Picea mar	27	54	54			1268	22	13.92	5	67.5	29.35	33.75	25.85	88.95	133.43 177.90
Larix	23	46	46			1382	41	25.95	10	57.5	25.00	28.75	28.17	81.92	81.92
Alnus incana							46	29.11	40						
	92	160	157	3		4906	158	99.98			100.01	100.02	100	300.03	942.18 1052.77

AVE. DIST. BTW'N TREES:

AVE. B. A.:

TREES/ACRE:

DOM./ACRE:

30.66

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Alnus	X	(5)	X	(4)	(7)	(4)	X	(5)	(5)	X
Picea mar	(7)	(4)	X	(6)	X	(5)	(5)	(4)	(5)	(5)
Larix	(7)	5	4	5	4	2	(4)	4	1	5
Sedum		X		X		X	(6)	X		X
Distance										

3586

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam		68	226	2	1					
Acer rubrum		67	7	12	7					
A. sacchar.										
A. spicatum										
Betula lut.	75			4	7		12			67
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can										
Thuja occ									9	
Ulmus amer										
U. fulva										
Picea mar	75			6	6	4	8	36	4	
Nemopanthe								7		
Var. can										
Distance	2	2	1			87	87	101	810	98

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POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

STATION NO.	21	2	3	4	5	6	7	8	9	10
<i>Abies balsam</i>				6 3	1	4	6	4	2	6
<i>Acer rubrum</i>			10 6	5 7 8	8	6	4	8	6	
<i>A. sacchar.</i>										
<i>A. spicatum</i>										
<i>Betula lut.</i>					X	5	7	14 8	8	
<i>B. papyrif</i>										
<i>Carpinus car</i>										
<i>Fagus gran</i>										
<i>Ostrya virg</i>										
<i>Picea glau</i>										
<i>Pinus Bank</i>										
<i>P. resinosa</i>										
<i>P. Strobus</i>										
<i>Populus bals</i>										
<i>P. grand</i>										
<i>P. trem</i>										
<i>Prunus pen.</i>										
<i>Quercus ell</i>										
<i>Q. rubra</i>										
<i>Tilia amer</i>										
<i>Tsuga can</i>							6	1		
<i>Thuja occ</i>										
<i>Ulmus amer</i>										
<i>U. fulva</i>										
<i>Pinus mar</i>						5			4	6
<i>Alnus</i>	X	X	X		X				X	X
<i>Larix</i>	4 4 4	4 3 4	8 6		1 1	5 5 5	2 3			5 5 7
<i>Var. Can</i>			X				X			
Distance	16	5								

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over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam		4	5	4	5	4	3	7	2	1
Acer rubrum			4	1	4	4	1		2	
A. sacchar.										
A. spicatum										
Betula lut.			X			7	4	1	8	1
B. papyrif				1	8					
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus				8						
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can						6	7			
Thuja occ										
Ulmus amer										
U. fulva										
Picea ma	6		5	7	2		7	7	5	5
Alnus	4			7		X		X		
Larix	5	4	4	5		1	1	6	2	4
Var Can			X							
Distance										5

3586

over

5
8

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3585
Quadrat No. 1-10*Asce. mar. 2*
*Bel. lutea 23**Sam 34*
*Asce. rubra 5**Abies 679 10*

Actaea pachypoda
Actaea rubra 2
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 4
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis 123 10
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 678
Epifagus virginiana
Epigaea repens

Fragaria virginiana
Galium lanceolatum
Galium triflorum
Gaultheria procumbens 45
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora
Linnaea borealis 12345
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum 2
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 781
Mitchella repens
Mitella diphylla
Mitella nuda
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana 5
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 8
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 128
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata 6
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Nemophanthus 1
Equisetum am. 134
Calamagrostis 1234
Carex lasiocarpa 123467
Cranberry 2
Heath thyme 6

Lycoper. ann 10

Ledum 459 10
Carex (6) 67
Oxycoccus cinn 679
Calla palustris 679
Spiraea 9
Sent. lat. 9

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3586
Quadrat No. 11-20*glauca* 126 (10)
Picea glauca 4

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
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 1
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
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense
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
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum 7
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Hypericum var. 1
 W-B ridge 12345789 (10)
Carex (6) 1

Lycopodium var. 1
Calla palustris 159 (10)
Elaphoglossum 25
Calamagrostis 4
Smilacina
trifolia

Sedum 234569
Palma polifolia 234
Chamaedaphne 345679
Ceanothus 47
Idris var. 68
Carex *triple* 47

TABULATION FORM

Univ. of Wisconsin

Stand No. 3586

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
HERBS:																							
Actaea pachypoda																							
Actaea rubra	✓		✓																				1
Adenocaulon bicolor																							
Adiantum pedatum																							
Agrimonia gryposepala																							
Allium tricoccum																							
Alnus incana																							
Alnus rugosa	✓						✓	✓		✓	✓	✓	✓				✓				✓	8	
Amphicarpa bracteata																							
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Antennaria sp.																							
Apocynum androsaemifoliu																							
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓																						
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus																							
Aster macrophyllus																							
Aster prenanthoides																							
Aster sagittifolius																							
Aster shortii																							
Aster umbellatus	✓																						
Athyrium filix-femina																							
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefol																							
Botrychium virginianum																							
Brachelytrum erectum	✓																						
Bromus purgans																							
Campanula americana																							
Campanula rotundifolia																							
Cardamine pensylvanica																							
Carex albursina																							
Carex pensylvanica																							
Carex plantaginea																							
Caulophyllum thalictroid																							
Ceanothus ovatus																							
Celastrus scandens																							
Chimaphilia umbellata																							
Cicuta maculata																							
Circaea alpina																							
Circaea quadrisulcata																							

Data Form No. 23
TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3586

[illegible]

Data Form No. 23

Plant Ecology Research

Univ. of Wisconsin

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3586

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Fragaria vesca																							
Galium aparine																							
Galium boreale																							
Galium circaezans																							
Galium concinnum																							
Galium lanceolatum																							
Galium triflorum	✓									✓													1
Gaultheria hispidula																							
Gaylussacia baccata																							
Geranium maculatum																							
Gerardia pedicularia																							
Geum canadense																							
Geum rivale																							
Gnaphalium obtusifolium																							
Goodyera oblongifolia																							
Goodyera pubescens																							
Goodyera repens																							
Habenaria bracteata																							
Habenaria orbiculata																							
Hackelia virginiana																							
Halenia deflexa																							
Hamamelis virginiana																							
Helianthus strumosus																							
Hepatica acutiloba																							
Hepatica americana																							
Heuchera richardsonii																							
Hieracium canadense																							
Hieracium scabrum																							
Hydrophyllum virginianum																							
Hystrix patula																							
Ilex verticillata	✓																						
Impatiens biflora	✓																						
Impatiens pallida																							
Isopyrum bitermum																							
Krigia biflora																							
Lactuca canadensis																							
Laportea canadensis																							
Lathyrus ochroleucus																							
Lathyrus venosus																							
Ledum groenlandicum	✓				✓	✓			✓		✓		✓	✓	✓	✓			✓				10
Lilium michiganense																							
Linnaea borealis	✓	✓	✓	✓	✓	✓																	5
Lithospermum canescens																							
Lobelia inflata																							
Lonicera canadensis	✓																						
Lonicera hirsuta																							
Lonicera oblongifolia																							
Lonicera prolifera																							
Lupinus perennis																							
Luzula acuminata																							
Luzula multiflora																							

Data Form No. 23
TABULATION FORM

Plant Ecology Research
NORTHERN PINE-HARDWOODS

Univ. of Wisconsin
Stand No. 3586

[illegible]

[illegible]

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TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3586

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3586

[illegible]

STAND NO. 3586

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3586

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3586

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

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

✓ *Prunus virginiana*
Quercus alba
Quercus ellipsoidalis
Quercus macrocarpa
 ✓ *Quercus rubra* seedlings 41 trees
 ✓ *Sorbus decora* seedlings
 ✓ *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 phyto-laccoides
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
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

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*

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

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Additional Species:

Iris vir.
 Calla palustris.
 Ilex vert.
 Salix trifida
 Asclepias purpurea
 Chelone
 Scut. epilob.
 Osmunda regalis
 Dryopteris cristata
 Carex narrow-leaf
 " intumescens
 Scleria ~~canadensis~~ strata
 Big drooping w. sedge.
 Sparganium angustifolium
 Lonicera can.
 Eupatorium mac.