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RR

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3549

Name:

Locality:

County: Door

T: 30N

R: 27E

Sec: 25

Date: 9-15-52

Observers: Carleton

Size of Stand:

Size of Area Sampled:

Forest Type: Black Ash - White cedar

Soil Type:

Topography: flat, lowland

Slope:

Directions

Condition of Stand:

A few old stumps. These are rotten. Considerable
downed timber and dead trees. Many white birch logs
on the floor. No grazing. No evidence of any cutting

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

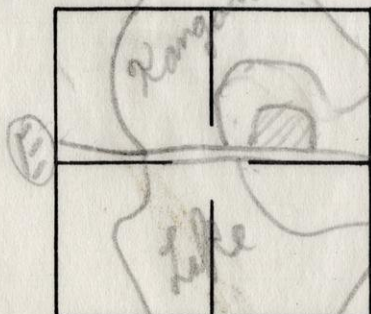
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

✓ = browse presence

Map:



49

RP

Northern Pine-Hardwoods

Station Number: 3549

99.0

Lowland J.C.

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									10						
Acer rubru	1	1		1		362	1	0.64		2.5	1.72	1.25	10.23	13.20	92.40 79.20
A. sacchar															
A. spicatu							5	3.21	35						
Betula lut	8	9	7	1	1	891	5	3.21	10	20.0	13.79	11.25	25.18	50.22	326.43 376.65
B. papyrif	5	5	5	-	-	91	1	0.64		12.5	8.62	6.25	2.57	17.44	61.04 87.20
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															
Thuja occi	15	22	20	2		747	36	23.08	20	37.5	25.86	27.50	21.11	74.47	148.94 297.88
Ulmus amer	1	1	1			80				2.5	1.72	1.25	2.26	5.23	26.15 28.76
U. fulva															
Tras. myra	27	41	40	1		1346	67	42.95	55	67.50	46.55	51.25	38.04	135.84	611.28 679.20
Larix lar.	1	1	1			21				2.5	1.72	1.25	0.59	3.56	3.56 3.56
Alnus rug							41	26.28	25						
	58	80	74	5	1	3538	156	100.01			99.98	100	99.98	299.96	1269.80 1552.45

AVE. DIST. BTWN TREES:

$$\frac{571}{40} = 14.28$$

AVE. B. A.:

44.23

TREES/ACRE:

247

DOM./ACRE:

10,925

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3219

TREE	N PTS	N TR	DOM. CLASSES	TOT. DOM.	N SAP	D. N. SAP	F. N. SOL.	F. N. TR	F. N. TR	N SUM	D. N. TR	DOM. TR	DD INDEX	C. I.
Abies bals							10							
Acer rubr	1	1	1	362	1	0.64		22	1.12	1.92	1.92	1.92	1.92	1.92
A. sacchar														
A. spicatu						8.891	32							
Betula lac	8	7	1	1	2.901	10	10	10.0	13.28	11.22	12.18	12.18	12.18	12.18
B. papyril	2	2	-	-	1	1.464		122	8.62	6.52	6.52	6.52	6.52	6.52
Carpinus c														
Fagus gran														
Quercus vir														
Picea glau														
Pinus Bank														
P. resinosa														
P. strobus														
Populus ba														
P. grandid														
P. tremulo														
Prunus pen														
Quercus al														
Q. rubra														
Tilia acer														
Taxus cana														
Taxus occi	12	12	1	1	2.901	10	10	10.0	13.28	11.22	12.18	12.18	12.18	12.18
Ulmus amer	1	1	1	1	1	1.464		122	8.62	6.52	6.52	6.52	6.52	6.52
U. fulva														
	27	41	1	1	2.901	10	10	10.0	13.28	11.22	12.18	12.18	12.18	12.18
	1	1	1	1	1	1.464		122	8.62	6.52	6.52	6.52	6.52	6.52
	41	41	1	1	2.901	10	10	10.0	13.28	11.22	12.18	12.18	12.18	12.18
	28	40	1	1	2.901	10	10	10.0	13.28	11.22	12.18	12.18	12.18	12.18

Thuya 33.95 67.9 2305

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3549

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	✓		✓	✓	✓	✓	✓			
Acer rubrum										
A. sacchar.										
A. spicatum		✓	✓	✓		✓				
Betula lut.					320	340		30 21 20 18		
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	✓ 2	✓	✓ 120 60		✓	✓ 16 110	✓	✓	✓ 50 30	
Ulmus amer		80								
U. fulva										
Frax nigra	65 40	✓ 30	✓ 30 30	✓	✓ 25	✓ 17	✓ 3	✓ 12 15	✓ 3	
Cornus stolon										
Ilex										
Distance	12	21-6	13-6	8	11-4	13	24-4	23	15	12-4

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No.

3549

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										✓
Acer rubrum							?	70 200 12 75		
A. sacchar.							?			
A. spicatum	✓		✓	✓			?			
Betula lut.		20	7	26	17	19	1			
B. papyrif					15	17				
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	14 12	14	35 45	17		✓	✓	17	3	2 19
Ulmus amer										
U. fulva										
Frax mpa					✓	✓	20	✓	40 19	✓ 75
Alnus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Japane										
Distance	21-6	14	9	26	21-6	22	16	15-6	11	18

Larri

21

over

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3549

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum										
A. sacchar.										
A. spicatum			✓							✓
Betula lut.			1							
B. papyrif					21	15	✓		23	
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	✓					✓	✓	20	✓	
Ulmus amer										
U. fulva										
Frax max	50/40	13/9	25/20	60/65	15	60	15	24	22	23/40
Cornus stolon										
Alnus		1	1	3	2	2	1			
Distance	13-6	15	13-6	13	11-6	11	8	10-6	12	13-6

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

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STATION NO.	31	2	3	4	5	6	7	8	9	10
Abies balsam				✓						
Acer rubrum										
A. sacchar.										
A. spicatum			✓			1	✓			
Betula lut.			✓			1			60	
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	18 ✓	21 ✓	23 ✓	14 ✓	3 ✓	2 ✓	76 ✓	21 ✓	2 ✓	✓
Ulmus amer			37							
U. fulva										
Frax nigra	18 ✓	20 ✓	100 ✓	35 ✓	27 ✓	45 ✓	25 ✓	14 ✓	15 ✓	✓
Alnus				3	1		2			
S. ley										
Distance	25-6	11	9	14	10-6	6	10-6	6-6	11-6	16

Distance	1	2	3	4	5	6	7	8	9	10
<i>Cornus stolon</i>			✓				✓			
0' L. L.										
1' L. L.										
2' L. L.										
3' L. L.										
4' L. L.										
5' L. L.										
6' L. L.										
7' L. L.										
8' L. L.										
9' L. L.										
10' L. L.										
11' L. L.										
12' L. L.										
13' L. L.										
14' L. L.										
15' L. L.										
16' L. L.										
17' L. L.										
18' L. L.										
19' L. L.										
20' L. L.										
21' L. L.										
22' L. L.										
23' L. L.										
24' L. L.										
25' L. L.										
26' L. L.										
27' L. L.										
28' L. L.										
29' L. L.										
30' L. L.										
31' L. L.										
32' L. L.										
33' L. L.										
34' L. L.										
35' L. L.										
36' L. L.										
37' L. L.										
38' L. L.										
39' L. L.										
40' L. L.										
41' L. L.										
42' L. L.										
43' L. L.										
44' L. L.										
45' L. L.										
46' L. L.										
47' L. L.										
48' L. L.										
49' L. L.										
50' L. L.										
STATION NO.	1	2	3	4	5	6	7	8	9	10

POINT RECORD SHEET

NORTHERN PINE-HARDWOODS

STATION NO.

DATE FORM NO. 18

PLANT ECOLOGY RESEARCH

UNIV. OF MISSISSIPPI

TABULATION FORM

Univ. of Wisconsin

Stand No. 3549

[illegible]

Data Form No. 23
TABULATION FORM

NORTHERN PINE-HARDWOODS

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STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Cirsium altissimum</i>																							
<i>Claytonia caroliniana</i>																							
<i>Claytonia virginica</i>																							
<i>Clematis verticillaris</i>																							
<i>Clintonia borealis</i>	✓																					1	
<i>Comandra richardsiana</i>																							
<i>Comptonia peregrina</i>																							
<i>Convolvulus spithameus</i>																							
<i>Coptis groenlandica</i>	✓																					2	
<i>Corallorhiza maculata</i>																							
<i>Corallorhiza striata</i>																							
<i>Corallorhiza trifida</i>																							
<i>Coreopsis palmata</i>																							
<i>Cornus alternifolia</i>																							
<i>Cornus canadensis</i>	✓																						
<i>Cornus foemina</i>																							
<i>Cornus rugosa</i>																							
<i>Corydalis sp.</i>																							
<i>Corylus americana</i>																							
<i>Corylus cornuta</i>																							
<i>Cryptotaenia canadensis</i>																							
<i>Cynoglossum boreale</i>																							
<i>Cypripedium acaule</i>																							
<i>Cypripedium parviflorum</i>																							
<i>Cypripedium pubescens</i>																							
<i>Cystopteris fragillis</i>																							
<i>Danthonia spicata</i>																							
<i>Dentaria diphylla</i>																							
<i>Desmodium glutinosum</i>																							
<i>Desmodium nudiflorum</i>																							
<i>Dicentra canadensis</i>																							
<i>Dicentra cucullaria</i>																							
<i>Diervilla lonicera</i>																							
<i>Dirca palustris</i>																							
<i>Dryopteris bootii</i>																							
<i>Dryopteris cristata</i>	✓																					3	
<i>Dryopteris goldiana</i>																							
<i>Dryopteris disjuncta</i>	✓																					1	
<i>Dryopteris phegopteris</i>	✓																						
<i>Dryopteris spinulosa</i>	✓																					5	
<i>Epifagus virginiana</i>																							
<i>Epigaea repens</i>																							
<i>Equisetum arvense</i>	✓																					1	
<i>Equisetum hyemale</i>																							
<i>Equisetum sylvaticum</i>																							
<i>Erigeron philadelphicus</i>																							
<i>Erythronium albidum</i>																							
<i>Erythronium americanum</i>																							
<i>Eupatorium rugosum</i>																							
<i>Festuca obtusa</i>																							
<i>Fragaria virginiana</i>																							

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[illegible]

TABULATION FORM

NORTHERN PINE-HARDWOODS

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STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Lycopodium annotinum																							
Lycopodium clavatum																							
Lycopodium complanatum																							
Lycopodium lucidulum																							
Lycopodium obscurum																							
Lycopodium tristachyum																							
Lycopus americanus	✓																						14
Lycopus uniflorus																							
Lysimachia ciliata																							
Lysimachia quadrifolia																							
Maianthemum canadense	✓																						2
Malaxis unifolia																							
Medeola virginiana																							
Melampyrum lineare																							
Menispermum canadense																							
Milium effusum																							
Mitchella repens																							
Mitella diphylla																							
Mitella nuda	✓																						2
Monarda fistulosa																							
Moneses uniflora																							
Monotropa hypopithys																							
Monotropa uniflora																							
Nemopanthus mucronata																							
Onoclea sensibilis	✓																						1
Orchis spectabilis																							
Oryzopsis asperifolia																							
Oryzopsis racemosa																							
Osmorhiza claytoni																							
Osmunda claytoniana																							
Osmunda cinnamomea	✓																						1
Osmunda regalis																							
Oxalis montana																							
Panax quinquefolius																							
Panax trifolius																							
Panicum latifolium																							
Parietaria pensylvanica																							
Parthenocissus inserta																							
Pedicularis lanceolata																							
Phlox divaricata																							
Phlox pilosa																							
Phyrma leptostachya																							
Pilea pumila																							
Podophyllum peltatum																							
Polemonium reptans																							
Polygala paucifolia																							
Polygonatum canaliculatu																							
Polygonatum pubescens	✓																						
Polypodium virginianum	✓																						
Potentilla arguta																							
Potentilla simplex																							

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Prenanthes alba</i>																							
<i>Prunella vulgaris</i>																							
<i>Pteretis pensylvanica</i>	✓																					1	
<i>Pteridium aquilinum</i>																							
<i>Pyrola asarifolia</i>																							
<i>Pyrola elliptica</i>	✓																					1	
<i>Pyrola minor</i>																							
<i>Pyrola rotundifolia</i>	✓																					1	
<i>Pyrola secunda</i>																							
<i>Pyrola virens</i>																							
<i>Ranunculus abortivus</i>																							
<i>Ranunculus recurvatus</i>																							
<i>Ranunculus septentrional</i>																							
<i>Rhus radicans</i>																							
<i>Rhus typhina</i>																							
<i>Ribes americanum</i>	✓																						
<i>Ribes cynosbati</i>																							
<i>Ribes lacustre</i>																							
<i>Ribes triste</i>																							
<i>Rosa</i> sp.	✓																						
<i>Rubus idaeus</i>																							
<i>Rubus parviflorus</i>																							
<i>Rubus hispidus</i>																							
<i>Rubus</i> - blackberry																							
<i>Rubus</i> - dewberry	✓																					15	
<i>Rubus</i> - raspberry																							
<i>Salix</i> sp.																							
<i>Sambucus canadensis</i>																							
<i>Sambucus pubens</i>																							
<i>Sanguinaria canadensis</i>																							
<i>Sanicula gregaria</i>																							
<i>Sanicula marilandica</i>																							
<i>Schizachne purpurascens</i>																							
<i>Scutellaria lateriflora</i>	✓																					2	
<i>Senecio aureus</i>																							
<i>Shepherdia canadensis</i>																							
<i>Smilacina racemosa</i>																							
<i>Smilacina stellata</i>																							
<i>Smilax ecirrhata</i>																							
<i>Smilax herbacea</i>																							
<i>Smilax hispida</i>																							
<i>Solidago canadensis</i>	✓																					6	
<i>Solidago flexicaulis</i>																							
<i>Solidago ulmifolia</i>																							
<i>Spiraea alba</i>																							
<i>Stellaria longifolia</i>																							
<i>Streptopus amplexifolius</i>																							
<i>Streptopus roseus</i>																							
<i>Symphoricarpos albus</i>																							
<i>Taxus canadensis</i>	✓																					3	
<i>Thalictrum dioicum</i>																							

Stand No. 3549

[illegible]

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3549

[illegible]

STAND NO. 3549

[illegible]

TABULATION FORM

NORTHERN LOWLANDS:

STAND NO. 3549

[illegible]

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3549

✓ *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
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
 Mitchellia repens
 Mitella diphylla
 Mitella nuda ~~IIII~~
 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 ~~IIII~~
 Rubus - raspberry
 Sambucus canadensis
 Sambucus pubens
 Sanguinaria canadensis
 Sanicula gregaria
 Schizachne purpurascens
 Scutellaria lateriflora ~~IIII~~
 Shepherdia canadensis
 Smilacina racemosa
 Smilacina stellata
 Smilax ecirrhata

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

Additional Species:

^{cernea} 2
 Braden's ~~IIII~~ frondosa 2
 Ilex ~~IIII~~
 Cornus ~~IIII~~
 Calamagrostis canadensis
 Elymus striata ~~IIII~~
 ✓ Carex crinita II
 Solidago ^{canadensis} ~~commis~~ ~~IIII~~
~~Nyctaginia~~ ~~IIII~~ Solanum nigra
 Aster ~~narrow leaf~~ simplex
 ✓ Carex tri ~~IIII~~ ~~IIII~~ III
 Carex ~~inter~~
 Dryopteris ^{stans} cristata III
 Chelone ^{glabra} III
 Polypodium virginianum
~~W. h. trillium~~

Ilex II
 Rosa
 Carex ? II
 Carex crinita-like I
 Var. car.
 Caltha palustris
 Epipactis ^{bulbifera} glandulosa