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Site 3501: Laold Creek, Rusk County, Township 36N, Range 4W, Section 2; Township 36N, Range 4W, Section 11. 1951-07-10

[s.l.]: [s.n.], 1951-07-10

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Weyerhaeuser

STAND RECORD

FORESTS

Stand No. 3501

Name: *Ladd Creek*

Locality:

County: *Rusk*

T: *36 N* R: *4 W* Sec: *11 northeast, 2 southwest*

Date: *7-10-51*

Observers: *Christensen + Cliff Germain*

Size of Stand:

Size of Area Sampled:

Forest Type: *Conifer bog*

Soil Type:

Topography: *Low parts with water at surface. Higher areas a few feet higher having upland appearance*

Slope: *2-3%* Directions

Condition of Stand:

Area was cut over about 50 or 60 years (?) ago. Many rotten stumps of Thuja, 1.5-2.0 feet in diameter. Considerable new windthrown balsam & aspen. All maples are browsed back to around 2 feet showing dead stems about 6-7 feet tall and 1/4 or more inches in diameter. Maple with water sprouts, Balsam heavily-used.

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	_____	_____	_____	_____	_____	_____	_____	_____	_____

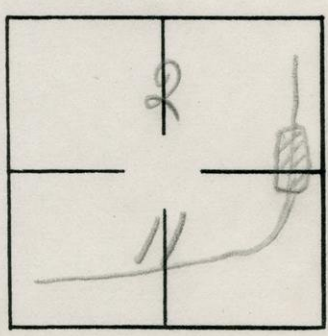
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	-----
A ₁	-----
A ₂	-----
B	-----

Parent Material:

Map:



66

D 206
yard

Plant Ecology Research
TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3501

102

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	Lowland C. I.
			-80	-320	321										
Abies bals	6	9	9			190	28	30.11		24	14.63	12.00	6.13	38.76	116.28 174.42
Acer rubru	3	4	4			184	31	33.33		12	7.32	8.00	5.94	21.26	148.82 127.56
A. sacchar							2	2.15							
A. spicatu							1	1.08							
Betula lut	7	7	3	4		714	9	9.68	ND	28	17.07	14.00	23.05	54.12	351.78 405.90
B. papyrif	1	1	1			30			ND	4	2.44	2.00	0.97	5.41	24.35 27.05
Carpinus c							1	1.08							
Fagus gran															
Ostrya vir															
Picea glau							1	1.08							
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo															
Prunus pen							1	1.08							
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana	12	15	9	6		1221	1	1.08		48	29.27	30.00	39.41	98.68	740.10 838.78
Thuja occi	9	10	9	1		480				36	21.95	20.00	15.49	57.44	114.88 229.76
Ulmus amer	1	2		2		252	1	1.08		4	2.44	4.00	8.13	14.57	72.85 80.13
U. fulva							1	1.08							
Frax nig	2	2	2			27	5	5.38		8	4.88	4.00	0.87	9.75	43.88 48.75
Alnus rug							10	10.75							
Salix							1	1.08							
	41	50	37	13		3098	93	100.04			100	100	99.99	299.99	1612.94 1932.35

AVE. DIST. BTW'N TREES:

$\frac{465.5}{25} = 18.62$

AVE B. A.:

61.96

TREES/ACRE:

145

DOM./ACRE:

8,984

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POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3501

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	14					1 26		54 110	19	21
Acer rubrum				1	2	7		1	16	4774
A. sacchar.										
A. spicatum										
Betula lut.	117	4		85	1					
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			80	75	60 110					
Thuja occ		55 70	12							
Ulmus amer							170 112			
U. fulva										
Alnus incana			4	1			4	1		
Prunus serotina				2				1		
Distance	26.5	22	8	18	14	19	19.5	14	17	8

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POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 3501

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	2		3	3	2	1	3	¹² 18	2	4
Acer rubrum	1		1			1		2	4	
A. sacchar.							1			
A. spicatum		1								
Betula lut.		1	75		2	1				170
B. papyrif					30					
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.	1									
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	45	⁸⁰ 90	65	90			47		⁶⁵ 85	
Thuja occ	60		17		35	40				47
Ulmus amer										
U. fulva										
<i>Fraxinus nigra</i>	1			1		14	13			
Distance	53.5	24	19.5	25.5	27	27	29	14		15.5

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

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STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam	1	1	1		24	19	2			
Acer rubrum	2		70	2	1	1				
A. sacchar.		1								
A. spicatum										
Betula lut.	50	260				17				
B. papyrif										
Carpinus car		1								
Fragaria Fagus gran						2				
Ostrya virg										
Picea glau					1					
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	125	130	150	49.1						
Thuja occ	124			20						
Ulmus amer		1								
U. fulva										
P. serotina			1							
F. nigra				1						
Salix sp.					1					
Distance	18.5	17	8	20.5	14	13.5				

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3501

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

no data

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3501

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	✓																					
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 biternatum																						
Krigia biflora																						
Lactuca canadensis	✓																					
Laportea canadensis																						
Lathyrus ochroleucus																						
Lathyrus venosus																						
Ledum groenlandicum																						
Lilium michiganense																						
Linnaea borealis	✓																					
Lithospermum canescens																						
Lobelia inflata																						
Lonicera canadensis	✓																					
Lonicera hirsuta																						
Lonicera oblongifolia																						
Lonicera prolifera																						
Lupinus perennis																						
Luzula acuminata																						
Luzula multiflora																						

no data

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3501

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																						
Lycopus uniflorus																						
Lysimachia ciliata																						
Lysimachia quadrifolia	✓																					
Maianthemum canadense	✓																					
Malaxis unifolia																						
Medeola virginiana																						
Melampyrum lineare																						
Menispermum canadense																						
Milium effusum																						
Mitchella repens																						
Mitella diphylla																						
Mitella nuda																						
Monarda fistulosa																						
Moneses uniflora																						
Monotropa hypopithys																						
Monotropa uniflora																						
Nemopanthus mucronata	✓																					
Onoclea sensibilis	✓																					
Orchis spectabilis																						
Oryzopsis asperifolia																						
Oryzopsis racemosa																						
Osmorhiza claytoni																						
Osmunda claytoniana																						
Osmunda cinnamomea																						
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																						

no data

TABULATION FORM

NORTHERN PINE-HARDWOODS

Stand No. 3501

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

no data

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>Trientalis borealis</i>	✓																					
<i>Trillium cernuum</i>	✓																					
<i>Trillium grandiflorum</i>																						
<i>Uvularia grandiflora</i>																						
<i>Uvularia sessilifolia</i>																						
<i>Vaccinium angustifolium</i>																						
<i>Vaccinium myrtilloides</i>																						
<i>Veronicastrum virginicum</i>																						
<i>Viburnum acerifolium</i>																						
<i>Viburnum rafinesquianum</i>																						
<i>Viburnum lentago</i>																						
<i>Viola adunca</i>																						
<i>Viola blanda</i>																						
<i>Viola canadensis</i>																						
<i>Viola conspersa</i>																						
<i>Viola cucullata</i>																						
<i>Viola pennsylvanica</i>																						
<i>Viola incognita</i>	✓																					
<i>Viola pallens</i>																						
<i>Viola pubescens</i>																						
<i>Viola renifolia</i>																						
<i>Vitis aestivalis</i>																						
<i>Vitis riparia</i>																						
<i>Waldsteinia fragarioides</i>																						
<i>Xanthoxylum americanum</i>																						
<i>Zizia aurea</i>																						
Additional species:																						

no data

TABULATION FORM

NORTHERN LOWLANDS

STAND NO. 3501

Station No.	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Herbs																					
Eriophorum spp.																					
Eupatorium maculatum	✓																				
Eupatorium perfoliatum																					
Galium trifida																					
Gaultheria procumbens																					
Geum aleppicum																					
Geum laciniatum																					
Glyceria canadensis																					
Glyceria striata																					
Habenaria clavellata																					
Helianthus tuberosa																					
Heracleum maximum																					
Fumulus lupulus																					
Hypericum virginicum																					
Iris virginica																					
Lychnis alba																					
Lysimachia terrestris																					
Lysimachia thyrsofolia																					
Mentha arvensis																					
Muhlenbergia mexicana																					
Oenothera biensis																					
Pedicularis canadensis																					
Phleum pratense																					
Poa palustris																					
Poa pratensis																					
Polygonum arifolium																					
Polygonum cilinode																					
Polygonum sagitatum																					
Potentilla norvegica																					
Potentilla palustris																					
Ranunculus acris																					
Ranunculus flabellaris																					
Ranunculus repens																					
Ranunculus sclereratus																					
Rhamnus olnifolia																					
Rhus vernix																					

new data

Partial
 PRESENCE LIST

Woody spp.

NORTHERN PINE-HARDWOODS

STAND NO.

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3501

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 ✓ racemosa
 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
 Lycopodium americanum
 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 3501
 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:

PRESENCE LIST

CONIFER BOG

Stand No. 3501
P206

Abies balsamea
Acer rubrum
Acer spicatum
Betula lutea
Betula papyrifera
Carya cordiformis
Fraxinus nigra

Juglans cinerea
Larix laricina
Picea glauca
Picea mariana
Pinus resinosa
Pinus strobus
Populus tremuloides

Prunus serotina
Quercus bicolor
Quercus rubra
Sorbus americana
Thuja occidentalis
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

Alnus incana
Alnus rugosa
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
Aralia nudicaulis
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
Arisaema atrorubens
Asclepias incarnata
Aster lateriflorus
Aster novae-angliae
Aster umbellatus
Betula pumila
Betula sandbergii
Bidens coronata
Boehmeria cylindrica
Botrychium virginianum
Bromus ciliatus
Calamagrostis canadensis
Calla palustris
Calopogon pulchellus
Caltha palustris
Campanula aparinoides
Chamaedaphne calyculata
Chiogenes hispidula
Cicuta bulbifera
Cicuta maculata
Circaea alpina
Cirsium muticum
Clintonia borealis
Coptis trifolia
Corallorrhiza trifida
Cornus canadensis
Cornus obliqua
Cornus stolonifera
Cypripedium acaule
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
Dryopteris linneana

Dryopteris phegopteris
Dryopteris spinulosa
Dryopteris thelypteris
Dulichium arundinaceum
Epigaea repens
Epilobium adenocaulon
Epilobium angustifolium
Epilobium densum
Equisetum scirpoides
Eriophorum angustifolium
Eriophorum virginicum
Eriophorum viridi-carinatum
Eupatorium perfoliatum
Eupatorium maculatum
Galium aparine
Galium concinnum
Galium labradoricum
Galium trifidum
Gaultheria procumbens
Gaylussacia baccata
Gentiana linearis
Geum rivale
Glyceria striata
Goodyera repens
Habenaria clavellata
Habenaria dilatata
Habenaria hyperborea
Habenaria lacera
Habenaria leucophaea
Habenaria media
Habenaria obtusata
Habenaria psycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
Ilex verticillata
Impatiens biflora
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia
Ledum groenlandicum
Leersia oryzoides
Linnaea borealis
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
Maianthemum canadense
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
Mitella nuda
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
Nemopanthus mucronata
Onoclea sensibilis
Osmunda cinnamomea
Osmunda regalis
Parnassia caroliniana
Parthenocissus vitacea
Pedicularis lanceolata
Phalaris arundinacea
Physocarpus opulifolius
Poa palustris
Pogonia ophioglossoides
Polygala pauciflora
Potentilla palustris
Prenanthes alba
Pyrola asarifolia
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus abortivus
Rhamnus alnifolia
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
Ribes triste
Rorippa palustris
Rosa caroliniana
Rubus idaeus
Rubus triflorus
Rynchospora alba
Salix candida
Sarracenia purpurea

Data Form No. 22 (P.2)

Saxifraga pennsylvanica
Scirpus cyperinus
Scirpus acutus
Scirpus hudsonianus
Scirpus rubrotinctus
Scirpus validus
Scutellaria epilobifolia
Scutellaria lateriflora
Selaginella selaginoides
Sium suave

Smilacina trifolia
Smilax herbacea
Solidago serotina
Spiraea alba ✓
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
Trientalis borealis
Triglochin maritima

3501
Typha latifolia
Vaccinium angustifolium
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
Viola pallens
Vitis riparia

Additional species:

Rush Co

Ladd Creek
7-12-52

T-36N
R-4W
S142

Date Form No. 17

Plant Ecology Research

Univ. of Wisconsin

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3501

- ✓ *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

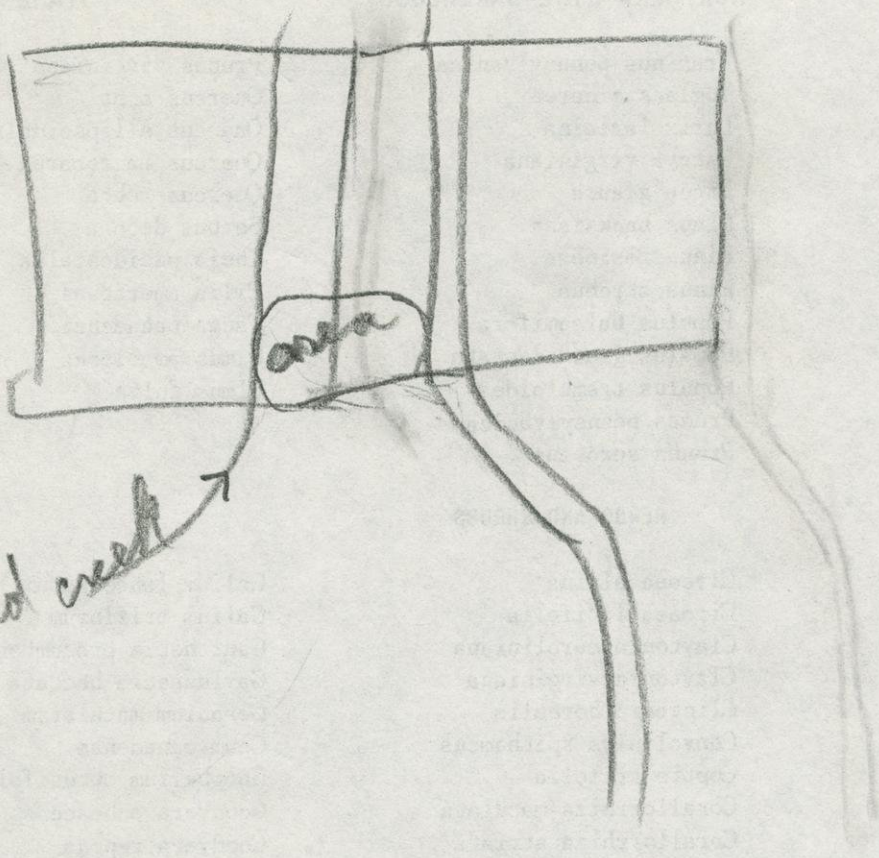
- ? ✓ *Actaea pachypoda*
- Actaea rubra*
- Adiantum pedatum*
- Agrimonia gryposepala*
- Allium tricoccum*
- Alnus rugosa*
- Amphicarpa bracteata*
- Anemone canadensis*
- Anemone quinquefolia*
- Antennaria sp.*
- Apocynum androsaemifolium*
- Apocynum cannabinum*
- Aquilegia canadensis*
- ✓ *Aralia nudicaulis*
- ✓ *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 hispida*

- ✓ *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*

Con

N



hadd creek →

Lodd Creek
7-12-52T 36N
R 4W
S1+2

3501

- | | | |
|--------------------------|----------------------------|--------------------------|
| Melampyrum lineare | Pyrola elliptica | Smilax herbacea |
| Mitchella repens | Pyrola rotundifolia | Smilax hispida |
| Mitella diphylla | Pyrola secunda | Solidago latifolia |
| Mitella nuda | Ranunculus abortivus | Solidago ulmifolia |
| Monarda fistulosa | Ranunculus recurvatus | Streptopus amplexifolius |
| Moneses uniflora | Ranunculus septentrionalis | ✓ Streptopus roseus |
| Monotropa uniflora | Rhus radicans | Taxus canadensis |
| Myrica asplenifolia | Rhus typhina | Thalictrum dioicum |
| ✓ Onoclea sensibilis | ✓ Ribes americanum | Tiarella cordifolia |
| ✓ Oryzopsis asperifolia | ✓ Ribes cynosbati | ✓ Trientalis borealis |
| Osmorhiza claytoni | Ribes lacustre | ✓ Trillium cernuum |
| Osmunda cinnamomea | Ribes triste | Trillium grandiflorum |
| Osmunda claytoniana | Rubus idaeus | Uvularia grandiflora |
| Oxalis montana | Rubus parviflorus | Uvularia sessilifolia |
| Panax quinquefolia | Rubus hispidus | Vaccinium angustifolium |
| Parietaria pennsylvanica | Rubus - blackberry | Vaccinium pennsylvanicum |
| Parthenocissus vitacea | ✓ Rubus - dewberry | Viburnum acerifolium |
| Pedicularis lanceolata | ✓ Rubus - raspberry | Viburnum affine |
| Phytolacca leptostachya | Sambucus canadensis | Viburnum lentago |
| Podophyllum peltatum | Sambucus pubens | Viola canadensis |
| Polemonium reptans | Sanguinaria canadensis | Viola cucullata |
| Polygala pauciflora | Sanicula gregaria | ✓ Viola incognita |
| Polygonatum commutatum | Schizachne purpurascens | Viola pallens |
| Polygonatum pubescens | Scutellaria lateriflora | Viola pubescens |
| Potentilla simplex | Shepherdia canadensis | Vitis aestivalis |
| Prenanthes alba | Smilacina racemosa | Vitis riparia |
| Pteretis nodulosa | Smilacina stellata | Waldsteinia fragarioides |
| Pteridium aquilinum | Smilax ecirrhata | Zanthoxylum americanum |

Additional Species:

- ~~Fragaria~~ like Rubus dewberry
~~Impatiens~~ like Cnicus
~~3 parted fern~~ Dryopteris lunearia
 Small thistle
~~And grass like sedge~~ cover Trisperma
 Eupatorium maculatum
 Epilobium angustifolium

Light usage last winter. Every where
 thinned but considerable growth in young
 spruce.