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Data Form No. 20 | Plant Ecology Research | Univ. of Wisconsin

STAND RECORD | **FORESTS** | **Stand No.** 3563

Name: | Locality: Poland

County: Brown | T: 23N. R: 22E | Sec: 32

Date: 6-14-53 | Observers: Christensen

Size of Stand: | Size of Area Sampled:

Forest Type: white cedar - Birch | Soil Type:

Topography: Flat shore of lake with very gentle slope to lake. Essentially lowland. Surrounded by steeper hilly areas. | Slope: | Directions

Condition of Stand:

A second growth stand with no disturbance for a long time. So old, rotten burned stumps. Only apparent recent cutting is blow downs, mostly white cedar.

Deer winter in this areas last winter (1952-53). Only evidence of browsing is on Cornus rugosa. A deer track was observed.

Open Grown Trees: | % Canopy:

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

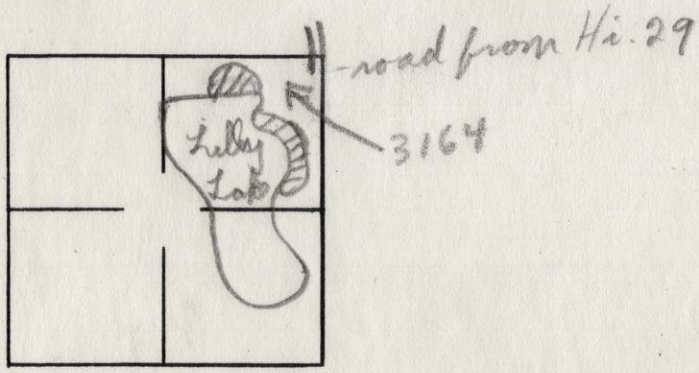
	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.		
Ao											
A1											
A2											
B											

DEPTH	CHARACTERISTICS (Color, Texture, Structure, etc.)
A_0	
A_1	
A_2	
B	

X = browse presence

Parent Material:

Map:



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Data Form No. 16 | Plant Ecology Research | University of Wisconsin

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3563

TREE	# PTS	# TRS	DOM. CLASSES -80	-320	321	TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F.TR.	D. % TRS.	DOM% TRS.	DFD INDEX	Lowland C. I.	J.T.C.
Abies bals	2	2	2			30	3	1.88		5.0	2.30	1.25	0.41	3.96	11.88	17.82
Acer rubru	6	7	6	1		355	6	3.75	25	15.0	6.90	4.38	4.80	16.08	112.56	96.48
A. sacchar																
A. spicatu									5							
58.7 Betula lut	7	10	7	3		587	3	1.88	5	12.5	8.04	6.25	7.94	22.23	144.50	166.72
B. papyrif	8	14	12	2		534	16	10.00	5	20.0	9.20	8.75	7.23	25.18	113.31	125.90
Carpinus c							1	0.63								
Fagus gran									5							
Ostrya vir																
Picea glau																
Pinus Bank																
P. resinos																
P. Strobus	4	5	4	1		348				10.0	4.60	3.13	4.71	12.44	37.32	49.76
Populus ba	2	2		1	1	570				5.0	2.30	1.25	7.71	11.26	39.41	50.67
→ Prunus vir ~~P. grandid~~									10							
P. tremulo	3	5	5			211			5	7.5	3.45	3.13	2.86	9.44	33.04	42.48
→ Ulmus rub ~~Prunus pen~~							2	1.25								
→ Acer negundo ~~Quercus el~~							1	0.63								
Q. rubra									5							
Tilia amer							1	0.63								
Tsuga cana	5	5	5			220	17	10.63	5	12.5	5.75	3.13	2.98	11.86	88.95	100.81
Thuja occi	38	95	92	3		3758	81	50.63	10	95.0	43.68	59.38	50.86	153.92	307.84	615.68
Ulmus amer	1	1	1			45	5	3.13		2.5	1.15	0.63	0.61	2.39	11.95	13.14
→ Ulmus rub ~~U. fulva~~							6	3.75								
Fraxinus pen	5	6	5	1		265	17	10.63	10	12.5	5.75	3.75	3.59	13.09	58.91	65.45
Fraxinus am	1	1	1			70				2.5	1.15	0.63	0.95	2.73	15.02	19.11
Larix lar.	5	7	4	3		396	1	0.63		12.5	5.75	4.38	5.36	15.49	15.49	15.49
	87	160	144	15	1	7389	160	100.05			100.02	100.04	100.01	300.07	990.18	1379.51

AVE. DIST. BTW'N TREES: | AVE B. A.: 46.18 | # TREES/ACRE: | DOM./ACRE:

Data Form No. 16 Plant Ecology Research University of Wisconsin

TREE DATA SUMMARY SHEET

Northern Pine-Hardwoods

Station Number: 3563

TREE	# PTS	# TRS	DOM. CLASSES -80	-320	321	TOT. DOM.	# BAF	D. % BAF	F. % EQL.	F. % TRS.	% SUM F.TR.	D. % TRS.	DOMX TRS.	DFD INDEX	C. I.
Abies bals	2	2	2			30	3	1.88		5.0	2.30	1.25	0.41	3.76	11.88
Acer rubru	6	7	6	1		355	6	3.25	25	15.0	6.70	4.38	4.30	11.08	41.35
A. saccbar															
A. spicatu									5						
Betula lut	7	10	7	3		583	3	1.88	5	12.5	8.04	6.25	7.94	22.23	44.58
B. papyrif	8	14	12	2		534	16	10.00	5	20.0	7.30	6.25	7.23	25.18	43.31
Carpinus c								1.63							
Fagus gran									5						
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinos															
P. Strobus	4	5	4	1		348				10.0	4.60	3.13	4.71	12.44	32.32
Populus be	2	2		1	1	530				5.0	2.30	1.25	2.71	11.26	24.31
~~P. grandid~~									10						
P. tremulo	3	5	5			511			5	7.5	2.45	3.13	2.86	8.44	32.04
~~Prunus pen~~							2	1.25							
~~Quercus el~~							1	0.63							
Q. rubra									5						
Tilia amer							1	0.63							
Tsuga cana	5	5	5			230	17	10.63	5	12.5	5.25	3.13	2.48	11.86	45.75
Thuja occi	28	25	28	3		2258	81	50.63	10	25.0	14.20	14.38	39.56	53.94	142.77
Ulmus amer	1	1				45	5	3.13		2.5	1.15	0.63	0.61	2.37	7.28
U. fulva							1	0.63							
[illegible]	5	6	5	1		305	17	10.63	10	15.0	5.75	3.75	3.57	13.05	53.41
[illegible]	1	1	1			20				2.5	1.45	0.63	0.25	3.23	8.03
[illegible]	5	7	3			294	1	0.63		12.5	5.25	3.38	5.60	15.23	42.49
[illegible]	87	125	75	1	1	2309	160	100.00		100.0	100.0	100.0	100.0	300.0	700.0

Thuja 39.56 — —

AVE. DIST. BTW M TREES: AVE B. A.: N TREES/ACRE: DOM /ACRE:

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POINT RECORD TREES | NORTHERN PINE-HARDWOODS | Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam								12		
Acer rubrum		55 1	1	1		40	35 85 1	40 1		
A. sacchar.										
A. spicatum										
Betula lut.			50							
B. papyrif	25 1				35	70 110				35
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus			50							
Populus bals	190 X									
P. grand										
P. trem				26 30					X	
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can		{55 1	1		3	1		1		
Thuja occ	26 15 1	60 35	40 X 2	26 30 1	30	24 3	30 100 3	45 45 X 2	{24 26 50 55 X 2	{22 16 35 X 1
Ulmus amer			{45			1				
U. fulva										
Frax. nigra	2	X 2		1	26				X 2	3
Salix	X									
Prunus sp.		X								
Alnus rug			X							
Distance										

over

Cornus mas				X 1						
Frax am.				70						
Ribes lac					X					
Sam. can							X			
Corylus com										X

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POINT RECORD TREES | NORTHERN PINE-HARDWOODS | Stand No. 3563

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum			70	30						
A. sacchar.										
A. spicatum										
Betula lut.					85					
B. papyrif	14, 14, 20 / 1	12, 14, 22 / 2		3	3	2				
Carpinus car				1						
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus						18		80, 80		
Populus bals										
P. grand										
P. trem	X	X	X			35, 40				
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can				65 X			2		1	20
Thuja occ	3	12	2 / 14, 14, 18	4 / 35, 12	28, 40 / 1	35, 38 / X	1 / 35, 50, 60, 80 / 1	50, 24 / 4	4 / 26, 65, 95	3 / 35, 40, 22
Ulmus amer										
U. fulva										
over Fraxinus					55	X			12	4
Larix la.	85									
Prunus vir					X			X		
Cornus rac						X				
Distance						1				

Taxus							X	X	X	X
Sambucus can								X		

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POINT RECORD TREES | NORTHERN PINE-HARDWOODS | Stand No. 3563

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum										
A. sacchar.										
A. spicatum	X	X								
Betula lut.	22 105 40	70 90 3					60	30		
B. papyrif					16					
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus							120			
Populus bals		380								
P. grand										
P. trem			80							
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer		1								
Tsuga can	1	35						X 3	X 3	X
Thuja occ	65 3		35	12 40 36	45	45 50 60 30 4	35 4	28 50 75 1	45 40 40 65 1	50 70 22 28 1 3
Ulmus amer										
U. fulva										
Fraxinus pen			22 40 X 3				110			
Tilia	X	X	X	X			X			
Ribes trist		X								
Sambucus can			X							
Distance										

over

Acer negundo			1							
Alnus rug				4	18 2					
Larix			28		24 1					
Ribes lac							7			

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POINT RECORD-TREES | NORTHERN PINE-HARDWOODS | Stand No. 3563

STATION NO.	31	2	3	4	5 none	6 none	7	8	9	10
Abies balsam	18									3
Acer rubrum	X	1								
A. sacchar.										
A. spicatum										
Betula lut.		35								
B. papyrif				45 100 4						
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals				X						
P. grand										
P. trem		X								
Prunus pen.										
Quercus ell										
Q. rubra										
Tilia amer										
Tsuga can	45		X							X
Thuja occ	40 20 4	35 40 26 3	85 15 60 16 4	12 20	50 16 45 80 4	28 28 40 12 4	55 X 55 35 20 4	22 28 35 X 4	22 14 X 4	45 45 26 70 1
Ulmus amer										
U. fulva										
Larix								90	135 16	
Sam. can		X								
Salix										
Populus Can							X			
Distance										

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HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3563
Quadrat No. 1-5

Thuja 1 2
Tsuga 3
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 1 2 3
Aralia racemosa 2
Arisaema atrorubens
Aster macrophyllus 2
Aster sagittifolius
Athyrium angustum
Botrychium virginianum 2
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 5
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa 5
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana 4
Dryopteris phegopteris
Dryopteris spinulosa 5
Epifagus virginiana
Epigaea repens

Acer rubra 5
Frax nigra 5
Fragaria virginiana
Galium lanceolatum
Galium triflorum
Galium trifida 1
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora 4
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 1 2 3 5
Mitchella repens
Mitella diphylla
Mitella nuda 1 2
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni 2
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 1

Betula lut 5
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) 2
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 1 2 5
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
" incognita 1
Viola pallens
Viola pubescens
Waldsteinia fragarioides

Carex narrow - 2 3
Parthenocissus vt 4 5
Amphicarpa 4
Prenanthes alba 2

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HERB FREQUENCY | **NORTHERN PINE-HARDWOODS** | Stand No. 3563
Quadrat No. 6-10

Pop. trem 1
Bet. pap. 2
Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 2 4
Aralia racemosa 3
Arisaema atrorubens 5
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina 5
Circaea latifolia
Clintonia borealis 1
Coptis trifolia
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa 1
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera 1
Dirca palustris
Dryopteris linnaeana
Dryopteris phegopteris
Dryopteris spinulosa 1 2 4 5
Epifagus virginiana
Epigaea repens
Glyceria obtusa 1
Carex rosea 2 3

Fagus grand 1
Acer rubra 3
Fragaria virginiana 1
Galium lanceolatum
Galium triflorum
Gaultheria procumbens tubida 2
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora 5
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lysimachia quadrifolia
Maianthemum canadense 1 2
Mitchella repens
Mitella diphylla
Mitella nuda 4 5
Monotropa uniflora
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Oxalis montana
Phryma leptostachya
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens 5
Prenanthes alba 1
Solanum dul. 5
Parthenocissus 5

Fraxinus 3
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus recurvatus
Rhus radicans
Ribes americanum
Rosa sp.
Rubus parviflorus 4
Rubus (blackberry) rad
Rubus (dewberry) 1 3 4
Sambucus pubens
Sanguinaria canadensis canadensis 4
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Trientalis borealis 2
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens incognita 2
Viola pubescens
Waldsteinia fragarioides
Quercus rubra 4

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HERB FREQUENCY | **NORTHERN PINE-HARDWOODS** | Stand No. 3563
Quadrat No. 11-15

Acer spicatum 1
Prunus vir 4 5

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 1 5
Aralia racemosa
Arisaema atrorubens 1 3 4
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina
Circaea latifolia
Clintonia borealis 3 5
Coptis trifolia 3 5
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana 1
Dryopteris phegopteris
Dryopteris spinulosa 3
Epifagus virginiana
Epigaea repens
Carex narrow 5

Fragaria virginiana
G. aparine 2
Galium lanceolatum
Galium triflorum
Gaultheria procumbens 3
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Helianthemum sp.
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Impatiens biflora 2 3
Linnaea borealis
Lonicera oblongifolia
Lupinus perennis
Lycopodium annotinum
Lycopodium complanatum
Lycopodium lucidulum
Lycopodium obscurum
Lycopus sp. 2
Lysimachia quadrifolia
Maianthemum canadense 3 4 5
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
" canadensis 3
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis 1 3 4
Thalictrum dioicum
Trientalis borealis
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
incognita 3
Viola pubescens
Waldsteinia fragarioides
Ribes lac. 4

Data Form No. 18 | Plant Ecology Research | Univ. of Wisconsin

HERB FREQUENCY | **NORTHERN PINE-HARDWOODS** | Stand No. 3563

Acer rubra 134 | Quadrat No. 16-20

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Allium tricoccum
Anemone quinquefolia
Aquilegia canadensis
Aralia nudicaulis 24
Aralia racemosa
Arisaema atrorubens
Aster macrophyllus
Aster sagittifolius
Athyrium angustum
Botrychium virginianum
Brachyelytrum erectum
Carex albursina
Caulophyllum thalictroides
Chimaphila umbellata
Circaea alpina 23
Circaea latifolia
Clintonia borealis 123
Coptis trifolia 45
Corallorrhiza maculata
Cornus alternifolia
Cornus canadensis
Cornus rugosa
Corylus americana
Corylus cornuta
Cypripedium acaule
Diervilla lonicera
Dirca palustris
Dryopteris linnaeana 2
Dryopteris phegopteris
Dryopteris spinulosa 2
Epifagus virginiana
Epigaea repens
Parthenocissus 45
Osmunda cinna 4

Fragaria virginiana
Galium lanceolatum
" triflida 3
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 2345
Mitchella repens
Mitella diphylla 1
Mitella nuda 13
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) 2
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Solidago ulmifolia
Streptopus roseus
Taxus canadensis 4
Thalictrum dioicum
Trientalis borealis 34
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viola canadensis
Viola cucullata
Viola pallens
Viola pubescens
Waldsteinia fragarioides

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TABULATION FORM — NORTHERN PINE-HARDWOODS — Stand No. 3563

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																							
Adenocaulon bicolor																							
Adiantum pedatum																							
Agrimonia grypsosepala																							
Allium tricoccum																							
Alnus incana																							
Alnus rugosa	✓																						
Amphicarpa bracteata	✓				✓																	1	
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Antennaria sp.																							
Apocynum androsaemifoliu	✓																						
Apocynum cannabinum																							
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓	✓	✓	✓				✓		✓		✓				✓		✓		✓		9	
Aralia racemosa	✓		✓						✓													2	
Arctostaphylos uva-ursi																							
Arisaema atrorubens	✓										✓	✓		✓	✓							4	
Asarum canadense																							
Asclepias exaltata																							
Aster cordifolius																							
Aster lateriflorus																							
Aster macrophyllus	✓		✓																			1	
Aster prenanthoides																							
Aster sagittifolius																							
Aster shortii																							
Aster umbellatus																							
Athyrium filix-femina	✓																						
Athyrium thelypteroides																							
Boehmeria cylindrica																							
Botrychium lanceolatum																							
Botrychium matricariaefol																							
Botrychium virginianum	✓		✓																			1	
Brachyelytrum 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	✓										✓							✓	✓			3	
Circaea quadrisulcata																							

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TABULATION FORM | NORTHERN PINE-HARDWOODS | Stand No. 3563

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	✓					✓	✓							✓		✓	✓	✓	✓			7	
Comandra richardsiana																							
Comptonia peregrina																							
Convolvulus spithameus																							
Coptis groenlandica	✓													✓			✓			✓	✓	4	
Corallorhiza maculata																							
Corallorhiza striata																							
Corallorhiza trifida																							
Coreopsis palmata																							
Cornus alternifolia																							
Cornus canadensis																							
Cornus foemina																							
Cornus rugosa	✓					✓	✓															2	
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	✓						✓															1	
Dirca palustris																							
Dryopteris boottii																							
Dryopteris cristata																							
Dryopteris goldiana																							
Dryopteris disjuncta	✓				✓							✓						✓				3	
Dryopteris phegopteris																							
Dryopteris spinulosa	✓					✓	✓	✓		✓	✓			✓				✓				7	
Epifagus virginiana																							
Epigaea repens																							
Equisetum arvense	✓																						
Equisetum hyemale																							
Equisetum sylvaticum																							
Erigeron philadelphicum																							
Erythronium albidum																							
Erythronium americanum																							
Eupatorium rugosum																							
Festuca obtusa																							
Fragaria virginiana	✓						✓															1	

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TABULATION FORM NORTHERN PINE-HARDWOODS Stand No. 3563

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	✓																			✓		1	
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	✓				✓						✓		✓	✓								4	
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																							

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TABULATION FORM NORTHERN PINE-HARDWOODS Stand No. 3563

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	✓												✓									1	
Lycopus uniflorus																							
Lysimachia ciliata																							
Lysimachia quadrifolia																							
Maianthemum canadense	✓	✓	✓	✓		✓	✓	✓						✓	✓	✓		✓	✓	✓	✓	13	
Malaxis unifolia																							
Medeola virginiana																							
Melampyrum lineare																							
Menispermum canadense																							
Milium effusum																							
Mitchella repens	✓																						
Mitella diphylla	✓																✓					1	
Mitella nuda	✓	✓	✓							✓	✓						✓		✓			6	
Monarda fistulosa																							
Moneses uniflora																							
Monotropa hypopithys																							
Monotropa uniflora																							
Nemopanthus mucronata																							
Onoclea sensibilis	✓																						
Orchis spectabilis																							
Oryzopsis asperifolia	✓		✓																			1	
Oryzopsis racemosa																							
Osmorhiza claytoni																							
Osmunda claytoniana																							
Osmunda cinnamomea	✓																			✓		1	
Osmunda regalis																							
Oxalis montana																							
Panax quinquefolius																							
Panax trifolius																							
Panicum latifolium																							
Parietaria pensylvanica																							
Parthenocissus inserta	✓				✓	✓					✓									✓	✓	5	
Pedicularis lanceolata																							
Phlox divaricata																							
Phlox pilosa																							
Phyrma leptostachya																							
Pilea pumila																							
Podophyllum peltatum																							
Polemonium reptans																							
Polygala paucifolia																							
Polygonatum canaliculatu																							
Polygonatum pubescens	✓	✓									✓											2	
Polypodium virginianum																							
Potentilla arguta																							
Potentilla simplex																							

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TABULATION FORM — NORTHERN PINE-HARDWOODS — Stand No. 3563

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	✓		✓				✓															2	
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	✓														✓							1	
Ribes triste	✓																						
Rosa sp.																							
Rubus idaeus																							
Rubus parviflorus																							
Rubus hispidus																							
Rubus - blackberry																							
Rubus - dewberry	✓		✓				✓		✓	✓								✓				5	
Rubus - raspberry	✓									✓												1	
Salix sp.	✓																						
Sambucus canadensis	✓									✓				✓								2	
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	✓											✓		✓	✓					✓		4	
Thalictrum dioicum																							

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TABULATION FORM — NORTHERN PINE-HARDWOODS — Stand No. 3563

STATION NO.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Trientalis borealis	✓	✓	✓			✓		✓											✓	✓		6	
Trillium cernuum																							
Trillium grandiflorum																							
Uvularia grandiflora																							
Uvularia sessilifolia																							
Vaccinium angustifolium	✓																						
Vaccinium myrtilloides																							
Veronicastrum virginicum																							
Viburnum acerifolium	✓																						
Viburnum rafinesquianum																							
Viburnum lentago																							
Viola adunca																							
Viola blanda																							
Viola canadensis																							
Viola conspersa																							
Viola cucullata																							
Viola pensylvanica																							
Viola incognita	✓	✓						✓						✓								3	
Viola pallens																							
Viola pubescens																							
Viola renifolia																							
Vitis aestivalis																							
Vitis riparia	✓																						
Waldsteinia fragarioides																							
Xanthoxylum americanum																							
Zizia aurea																							
Additional species:																							

TAPULATION FORM NORTHERN LOWLANDS STAND NO. 3563

Station No.	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Herbs																							
Agrostis alba																							
Agrostis perennans																							
Anaphalis margaritacea																							
Andromeda glaucophylla																							
Aquilegia canadensis																							
Arabis canadensis																							
Aster junciformis																							
Aster puniceus																							
Aster simplex																							
Betula pumila																							
Bidens cernua																							
Bidens frondosa																							
Calamagrostis canadensis																							
Calla palustris																							
Caltha palustris	✓																						
Campanula aparinoides																							
Cardamine pensylvanica																							
Carex spp.	✓																						
Carex trisperma																							
Chamaedaphne calyculata																							
Chelone glabra																							
Chrysosplenium americanum																							
Cicuta bulbifera																							
Cinna arundinacea																							
Cirsium arvense																							
Cirsium muticum																							
Clematis virginiana																							
Cornus racemosa																							
Cornus stolonifera																							
Cynoglossum boreale																							
Drosera rotundifolia																							
Dryopteus linnaeana																							
Echinocystis lobata																							
Epilobium angustifolium	✓																						
Epilobium glandulosum																							
Epilobium leptophyllum																							

TABULATION FORM NORTHERN LOWLANDS STAND NO. 3563

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	✓	✓						✓						✓					✓			4	
Gaultheria procumbens																							
Geum aleppicum																							
Geum laciniatum																							
Glyceria canadensis																							
Glyceria striata	✓						✓															1	
Habenaria clavellata																							
Helianthus tuberosa																							
Heracleum maximum																							
Humulus lupulus																							
Hypericum virginicum																							
Iris virginica																							
Lychnis alba																							
Lysimachia terrestris																							
Lysimachia thyrsifolia																							
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																							

TABULATION FORM NORTHERN LOWLANDS STAND NO. 3563

Station No.	P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Herbs:																							
Ribes hirtellum																							
Ribes hudsonianum																							
Rudbeckia laciniata																							
Rumex acetosella																							
Rumex Britanica																							
Saxifraga pensylvanica																							
Scirpus atrovivens																							
Scirpus cyperinus																							
Scirpus lineatus																							
Scrophularia marilandica																							
Scutellaria epilobiifolia																							
Sium suave																							
Smilacina trifolia																							
Solanum nigrum	✓										✓											✓	
Solidago altissima																							
Solidago gigantea																							
Solidago graminifolia																							
Solidago patula																							
Solidago uliginosa																							
Stachys polustris																							
Stellania calycantha																							
Symplocarpus foetidus																							
Taraxacum officinale																							
Trifollium repens																							
Typha latifolia																							
Urtica dioica																							
Vaccinium oxycoccus																							
Viola eriocarpa																							

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PRESENCE LIST | NORTHERN PINE-HARDWOODS | STAND NO. 3563

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
Picea mariana

HERBS AND SHRUBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Agrimonia grypsosepala
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

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Data Form No. 17 (P.2)

Melampyrum lineare
✓ Mitchella repens
Mitella diphylla
✓ Mitella nuda
Monarda fistulosa
Moneses uniflora
Monotropa uniflora
Myrica asplenifolia
✓ Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
✓ Osmunda cinnamomea
Osmunda claytoniana
Oxalis montana
Panax quinquefolia
Parietaria pennsylvanica
✓ Parthenocissus vitacea
Pedicularis lanceolata
Phyrma leptostachya
Podophyllum peltatum
Polemonium reptans
Polygala pauciflora
Polygonatum commutatum
✓ Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteretis nodulosa
Pteridium aquilinum

Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus abortivus
Ranunculus recurvatus
Ranunculus septentrionalis
✓ Rhus radicans
✓ Rhus typhina
✓ Ribes americanum
Ribes cynosbati
✓ Ribes lacustre
✓ Ribes triste
Rubus idaeus
Rubus parviflorus
Rubus hispidus
Rubus - blackberry
✓ Rubus - dewberry
Rubus - raspberry
✓ Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Schizachne purpurascens
Scutellaria lateriflora
Shepherdia canadensis
✓ Smilacina racemosa
✓ Smilacina stellata
Smilax ecirrhata

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

Additional Species:

Galium triflora
Solanum dulcamara
Broad leaf sedge
Epilobium angustifolium
Caltha palustris
Vaccinium ~~Can~~ angustifolium
~~Sant. mar.~~
Sanicula marilandica