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Plant Ecology Laboratory
Data Form 68

Station No. 5010

Data Form 00					Station No.								
Tree	No. No.		Size Cl.sq.in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	12-80	81-320	321+							Dom.	Sap.
Abies balsamea													
Acer rubrum													
Acer spicatum													
Betula lutea													
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	30	30	29	1		980			107	107	107	3.88	
Picea glauca													
P. mariana													
Pinus resinosa													
P. strobus													
Pop.balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.													
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran.

Av. Tr. Dis. 10.5

Av. BA

No. Tr./Acre

300

Stand No. 5010

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5010

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5010

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Dryopteris cristata</i>																							
<i>Dryopteris disiuncta</i>																							
<i>Dryopteris phegopteris</i>																							
<i>Dryopteris spinulosa</i>																							
<i>Dryopteris thelypteris</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	19	13
<i>Dulichium arundinaceum</i>																							
<i>Echinocystis lobata</i>																							
<i>Eleocharis smallii</i>																							
<i>Epigaea repens</i>																							
<i>Epilobium angustifolium</i>																							
<i>Epilobium glandulosum</i> va																							
<i>Epilobium strictum</i>	✓	✓																	✓			1	1
<i>Equisetum fluviatile</i>																							
<i>Equisetum scirpoides</i>																							
<i>Erigeron philadelphicus</i>																							
<i>Eriophorum angustifolium</i>																							
<i>Eriophorum spissum</i>																							
<i>Eriophorum tenellum</i>																							
<i>Eriophorum virginicum</i>																							
<i>Eriophorum viridi-carina</i>																							
<i>Eupatorium maculatum</i>	✓			✓																		1	1
<i>Eupatorium perfoliatum</i>	✓																✓				✓	2	1
<i>Galium aparine</i>																							
<i>Galium boreale</i>																							
<i>Galium concinnum</i>																							
<i>Galium labradoricum</i>																							
<i>Galium trifidum</i>	✓	✓		✓				✓								✓			✓		✓	6	4
<i>Galium triflorum</i>																							
<i>Galeopsis tetrahit</i>																							
<i>Gaultheria hispidula</i>																							
<i>Gaultheria procumbens</i>																							
<i>Gaylussacia baccata</i>																							
<i>Gentiana linearis</i>																							
<i>Geranium maculatum</i>																							
<i>Geum laciniatum</i>																							
<i>Geum rivale</i>	✓																						
<i>Glyceria canadensis</i>																							
<i>Glyceria grandis</i>																							
<i>Glyceria striata</i>	✓		✓		✓			✓	✓	✓			✓									6	4
<i>Goodyera repens</i>																							
<i>Habenaria clavellata</i>																							
<i>Habenaria dilatata</i>																							
<i>Habenaria hyperborea</i>																							
<i>Habenaria lacera</i>																							
<i>Habenaria leucophaea</i>																							
<i>Habenaria media</i>																							
<i>Habenaria obtusata</i>																							
<i>Habenaria psycodes</i>																							
<i>Halenia deflexa</i>																							
<i>Hydrocotyle americana</i>																							
<i>Hypericum virginicum</i>	✓						✓					✓								✓		3	2

TABULATION FORM

CONIFER SWAMP

Stand No. 5010

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Hystrix patula</i>																							
<i>Ilex verticillata</i>	✓	✓							✓	✓												3	2
<i>Impatiens capensis</i>																							
<i>Iris versicolor</i>																							
<i>Iris virginica</i>	✓	✓										✓										1	1
<i>Juncus canadensis</i>																							
<i>Juncus effusus</i>																							
<i>Juncus tenuis</i>	✓	✓																					
<i>Juniperus communis</i> var.																							
<i>Kalmia polifolia</i>																							
<i>Lactuca biennis</i>																							
<i>Lathyrus palustris</i>																							
<i>Ledum groenlandicum</i>																							
<i>Leersia oryzoides</i>	✓	✓													✓				✓			2	1
<i>Linnaea borealis</i>																							
<i>Liparis loeselii</i>																							
<i>Listera cordata</i>																							
<i>Lobelia siphilitica</i>																							
<i>Lonicera canadensis</i>																							
<i>Lonicera dioica</i>																							
<i>Lonicera oblongifolia</i>																							
<i>Lonicera villosa</i>																							
<i>Luzula acuminata</i>																							
<i>Lycopodium annotinum</i>																							
<i>Lycopodium clavatum</i>																							
<i>Lycopodium lucidulum</i>																							
<i>Lycopodium obscurum</i>																							
<i>Lycopus uniflorus</i>	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓					✓	✓		12	9
<i>Lysimachia ciliata</i>																							
<i>Lysimachia hybrida</i>																							
<i>Lysimachia quadriflora</i>																							
<i>Lysimachia terrestris</i>	✓	✓				✓																2	1
<i>Lysimachia thyrsiflora</i>	✓		✓		✓							✓							✓			4	3
<i>Maianthemum canadense</i>	✓																						
<i>Malaxis unifolia</i>																							
<i>Melampyrum lineare</i>																							
<i>Mentha trifoliata</i>																							
<i>Mimulus ringens</i>																							
<i>Mitchella repens</i>																							
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>																							
<i>Moneses uniflora</i>																							
<i>Monotropa hypopithys</i>																							
<i>Monotropa uniflora</i>																							
<i>Muhlenbergia mexicana</i>						✓																1	1
<i>Muhlenbergia racemosa</i>																							
<i>Myrica gale</i>																							
<i>Nasturtium officinale</i>																							
<i>Nemopanthus mucronata</i>																							
<i>Onoclea sensibilis</i>	✓	✓																				1	1
<i>Osmunda cinnamomea</i>	✓	✓																					

Iris sp.

TABULATION FORM

CONIFER SWAMP

Stand No. 5010

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Osmunda regalis</i>	✓						✓		✓													2	1
<i>Oxalis montana</i>																							
<i>Oxalis stricta</i>																							
<i>Panicum boreale</i>	✓										✓											1	1
<i>Panicum lanuginosum</i> var.																							
<i>Parietaria pensylvanicum</i>																							
<i>Parthenocissus inserta</i>	✓																						
<i>Pedicularis lanceolatus</i>																							
<i>Penthorum sedoides</i>	✓																						
<i>Phalaris arundinacea</i>																							
<i>Phleum pratense</i>																							
<i>Phragmites communis</i>	✓																						
<i>Physocarpus opulifolius</i>																							
<i>Pilea pumila</i>																							
<i>Poa palustris</i>																							
<i>Poa pratensis</i>	✓																						
<i>Pogonia ophioglossoides</i>																							
<i>Polygala paucifolia</i>																							
<i>Polygonatum pubescens</i>																							
<i>Polygonum convolvulus</i>																							
<i>Polygonum amphibium</i> var.	✓																						
<i>Polygonum sagittatum</i>	✓																						
<i>Potentilla fruticosa</i>	✓						✓										✓		✓			3	2
<i>Potentilla palustris</i>	✓					✓											✓	✓	✓	✓	✓	7	5
<i>Prenanthes alba</i>																							
<i>Prunella vulgaris</i>																							
<i>Prunus pensylvanicum</i>																							
<i>Prunus virginiana</i>																							
<i>Pteridium aquilinum</i>																							
<i>Pycnanthemum virginianum</i>	✓											✓										1	1
<i>Pyrola asarifolia</i>																							
<i>Pyrola elliptica</i>																							
<i>Pyrola rotundifolia</i>																							
<i>Pyrola secunda</i>																							
<i>Pyrus floribunda</i>																							
<i>Pyrus melanocarpa</i>	✓								✓													1	1
<i>Ranunculus abortivus</i>																							
<i>Ranunculus hispidus</i>																							
<i>Rhamnus alnifolia</i>	✓																						
<i>Rhus radicans</i>																							
<i>Rhus vernix</i>	✓																						
<i>Rhynchospora alba</i>																							
<i>Ribes americanum</i>																							
<i>Ribes cynosbati</i>																							
<i>Ribes hirtellum</i>	✓												✓									1	1
<i>Ribes lacustre</i>	✓				✓																	1	1
<i>Ribes triste</i>																							
<i>Rosa carolina</i>	✓												✓									1	1
<i>Rubus allegheniensis</i>																							
<i>Rubus idaeus</i>	✓																						
<i>Rubus occidentalis</i>																							

Polygonum natans ✓

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Rubus pubescens</i>	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓		✓						✓	11	8
<i>Rumex crispus</i>																							
<i>Rumex verticillatus</i>																							
<i>Sagittaria latifolia</i>	✓																						
<i>Salix candida</i>																							
<i>Salix pedicellaris</i>	✓																						
<i>Salix sp.</i>	✓																						
<i>Sambucus canadensis</i>	✓																						
<i>Sarracenia purpurea</i>																							
<i>Saxifraga pennsylvanica</i>																							
<i>Scheuchzeria palustris</i>	✓																						
<i>Scirpus acutus</i>																							
<i>Scirpus cyperinus</i>							✓															1	1
<i>Scirpus hudsonianus</i>																							
<i>Scirpus pedicellatus</i>																							
<i>Scirpus rubrotinctus</i>																							
<i>Scirpus validus</i>																							
<i>Scutellaria epilobifolia</i>											✓							✓			✓	3	2
<i>Scutellaria lateriflora</i>																							
<i>Selaginella selaginoides</i>																							
<i>Senecio aureus</i>																							
<i>Sium suave</i>																							
<i>Smilacina stellata</i>																							
<i>Smilacina trifolia</i>																							
<i>Smilax herbacea</i>																							
<i>Smilax lasioneura</i>																							
<i>Solanum dulcamara</i>	✓																						
<i>Solidago canadensis</i>																							
<i>Solidago gigantea</i>	✓						✓				✓								✓	✓	✓	4	3
<i>Solidago graminifolia</i>																							
<i>Solidago patula</i>																							
<i>Solidago purshii</i>																							
<i>Sphenopholis intermedia</i>																							
<i>Spiraea alba</i>	✓																						
<i>Spiraea tomentosa</i>																							
<i>Stachys palustris</i> var. h																							
<i>Stachys tenuifolia</i>																							
<i>Stellaria longifolia</i>																							
<i>Streptopus roseus</i>																							
<i>Symplocarpus foetidus</i>																							
<i>Taxus canadensis</i>																							
<i>Thalictrum dasycarpum</i>																							
<i>Trientalis borealis</i>																							
<i>Triglochin maritima</i>																							
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>																		✓				1	1
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>																							
<i>Vaccinium oxycoccos</i>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5010

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
<i>Viburnum acerifolium</i>																						
<i>Viburnum lentago</i>																						
<i>Viburnum trilobum</i>																						
<i>Viola canadensis</i>																						
<i>Viola cucullata</i>																						
<i>Viola pallens</i>		✓	✓	✓			✓	✓			✓	✓			✓	✓		✓			✓	11 8
<i>Viola renifolia</i>																						
<i>Vitis riparia</i>																						
<i>Xanthoxylum americanum</i>																						
<i>Sparganium</i>		✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	17

and 4 5

PRESENCE LIST

CONIFER BOG

Stand No. 5010

15% shade

Wausara Co. 13N 10E 22
sand country

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

7e +
7e + + + neg
Ca

HERBS AND SHRUBS

Alnus incana
Alnus rugosa 2,3
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
Aralia nudicaulis
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
Arisaema atrorubens
Asclepias incarnata 7
Aster lateriflorus
Aster novae-angliae
Aster umbellatus
Betula pumila 7,13
Betula sandbergii
Bidens coronata
Boehmeria cylindrica 13,14
Botrychium virginianum
Bromus ciliatus 10
Calamagrostis canadensis 15
Calla palustris
Calopogon pulchellus
Caltha palustris
Campanula aparinoides 1,2,5,38,18,20
Chamaedaphne calyculata 9
Chiogenes hispidula
Cicuta bulbifera 4,6
Cicuta maculata
Circaea alpina
Cirsium muticum
Clintonia borealis
Coptis trifolia
Corallorrhiza trifida
Cornus canadensis
Cornus obliqua
Cornus stolonifera 1,2,3,5,6,10,12,13,14
Cypripedium acaule 15,17
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 1,2,3,4,5,6,7,8,9,10
Dulichium arundinaceum 11,13,14,15,16
Epigaea repens 17,18,19,20
Epilobium adenocaulon
Epilobium angustifolium
Epilobium densum 18
Equisetum scirpoides
Eriophorum angustifolium
Eriophorum virginicum
Eriophorum viridi-carinatum
Eupatorium perfoliatum 16,20
Eupatorium maculatum 3
Galium aparine
Galium concinnum
Galium labradoricum
Galium trifidum 1,3,7,15,18,20
Gaultheria procumbens
Gaylussacia baccata
Gentiana linearis
Geum rivale
Glyceria striata 8,9,2,4,12,7
Goodyera repens
Habenaria clavellata
Habenaria dilatata
Habenaria hyperborea
Habenaria lacera
Habenaria leucophaea
Habenaria media
Habenaria obtusata
Habenaria psycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum 20,6,11
Ilex verticillata 1,8,9
Impatiens biflora
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia
Ledum groenlandicum
Leersia oryzoides 14,19
Linnaea borealis
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus 1,2,3,4,7,8,9,10,11,13,19
Lysimachia terrestris 5,1
Maianthemum canadense
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
Mitella nuda
Moneses uniflora
Muhlenbergia mexicana 5
Muhlenbergia racemosa
Myrica gale
Nemopanthus mucronata
Onoclea sensibilis
Osmunda cinnamomea
Osmunda regalis 6,8
Parnassia caroliniana
Parthenocissus vitacea
Pedicularis lanceolata
Phalaris arundinacea
Physocarpus opulifolius
Poa palustris
Pogonia ophioglossoides
Polygala pauciflora
Potentilla palustris 5,15,16,17,18,19,20
Prenanthes alba
Pyrola asarifolia
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus abortivus
Rhamnus alnifolia
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum 12
Ribes lacustre 3
Ribes triste
Rorippa palustris
Rosa caroliniana
Rubus idaeus
Rubus triflorus 1,2,3,5,8,9,10,11
Rynchospora alba 12,14,20
Salix candida
Sarracenia purpurea

also
help
see
not

Data Form No. 22 (P.2)

Saxifraga pennsylvanica

Scirpus cyperinus 6,

Scirpus acutus

Scirpus hudsonianus

Scirpus rubrotinctus

Scirpus validus

Scutellaria epilobifolia 17, 20, 11,

Scutellaria lateriflora

Selaginella selaginoides

Sium suave

Smilacina trifolia

Smilax herbacea

✓ Solidago serotina 6, 10, 19, 20

✓ Spiraea alba

Spiraea tomentosa

Steironema lanceolatum

Symplocarpus foetidus

Thalictrum dasycarpum

Trientalis borealis

Triglochin maritima

Typha latifolia

Vaccinium angustifolium 17

Vaccinium macrocarpon

Vaccinium oxycoccus

Vaccinium pennsylvanicum

Viburnum opulus

Viola canadensis

Viola pallens 1, 2, 3, 6, 7, 10, 11,

Vitis riparia 14, 15, 17, 20

Additional species:

x ~~Alnus incana~~ 1, 2, 3, 4, 5, 7, 11, 15, 18,✓ ~~Potentilla fruticosa~~ 6, 14, 18,✓ ~~Corylus~~ 4, 6,✓ ~~Amelanchier~~ 4, 6,x ~~Asph~~ 1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20✓ ~~Lygadia~~ thyrso 4, 11, 18,✓ ~~Valeriana~~ 1, 2, 3, 6, 7, 10, 11, 14, 15, 17, 20✓ ~~Solanum~~✓ ~~Polygonum~~ nutans v. Hartwegii✓ ~~Asparagus~~ offic✓ ~~Aster~~ pinniformis 2, 3, 10, 14, 17, 20✓ ~~Penthorum~~ sedoides✓ ~~Sambucus~~ canadensis✓ ~~Phragmites~~ communisx ~~Galax~~ 3, 5, 12, 14, 19x ~~Minum~~ 3, 5, 9, 11, 18, 19, 20✓ ~~Linum~~✓ ~~Linum~~ 14, 19,✓ ~~Sagittaria~~ latifolia✓ ~~Polygonum~~ sagittatum✓ ~~Poa~~ compressa pratensis✓ ~~Rosa~~ sp. 12,✓ ~~Salix~~ pedunculata✓ ~~Genanthium~~ var 11,✓ ~~Paspalum~~ mel,✓ ~~Aster~~ junceiformis,✓ ~~Rosa~~ carolina 12✓ ~~Bidens~~ vulgaris ~~fruticosa~~ connata✓ ~~Panicum~~ boreale 10✓ ~~Agrostis~~ scabra✓ ~~Calix~~ canna✓ ~~C~~ stricta 12, 14, 1, 11, 13, 7, 16, 18, 15,✓ ~~C~~ lasiocarpa 17, 10, 19, 18, 20, 6, 15,✓ ~~C~~ leptalea 19, 2✓ ~~C~~ hebbii✓ ~~C~~ disperma 4✓ ~~C~~ brunnescens 5✓ ~~Calix~~ ~~interior~~ ~~gracilis~~ sp✓ ~~C~~ oligosperma