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CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 68

Redox.

Conduc.

Cat.Cap.

Location 42N8E14

pH

02

36" Bore

% Cover 50

Basal Area *Albies*

Larix Picea Thuja Pop. + Betula pap.

Distances

	6.5	8	4	9.75	6.0	1.5
	(75)	8		13.0	2.5	2.0
	4 4		8	22.0	8.0	24.5
	6.5 8		(25) (65)	17.5	8.0	16.5
		4.5	8 6	12.75	18.5	9.0
	5 4.5	(70) 6.7		15.5	1.0	11.5
	4			10.0	28.0	2.0
	4 4	6.5		11.5	9.75	9.25
	4	4		8.0	5.0	11.25
		8 8	8	7.5	10.0	3.0
		5	4	8.0	15.0	13.0
	4.5	6.5	5.5	20.0	21.5	9.0
	4 5			1.5	4.0	6.0
	5	8 7.5		23.0	14.0	13.5
		7 8		15.5	8.0	15.5
	5 4.5	8		12.75	2.0	18.0
		(100)		13.25	5.0	16.0
	5	8	4	16.5	2.5	2.0
	4	7		5.0	9.0	8.0
	7.5	8 8	5	11.25	8.0	13.75
		6.5 8				
	5 6	5	7.5			
		8				
			4 4 5.5			
			5 5.5			
	6.5 6	5 8				
	4	4.5				
	4.5	8 5				
		4 4				
		8 5	4.5			
		4.5	6			
		6.5 7	7 5.5			
			5			
			6 7 5			
			5 5			
	7 7	8	8			
	5					
		(110)	5 4			
			5 4			
TOTALS						

Sketch Map:

ca 500 paces
(bag)

Plant Ecology Laboratory
Data Form 68

Station No. 68

Tree	No. Pts.	No. Tr.	Size Cl. sq. in.			No. Dom.	F% Sap.	F% Seed	D% Tr.	Dom% Tr.	DFD Index		
			12- 80	81- 320	321- 400								
Abies balsamea	14	31	31			878			31.8	31	27.4	90.2	360 405.9
Acer rubrum													
Acer spicatum													
Betula lutea													594 360 954
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina													
Picea glauca													
P. mariana	13	30	29	1		715			29.5	30	22.3	81.8	82 163.2
Pinus resinosa													
P. strobus													
Pop. balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.	17	39	37	2		1608			38.6	39	50.2	127.8	512 511.2
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

44

3201

999

996 299.8

954

1080.3

Arthropod Name:

Name of the Herpetarium: See p. 4

Research in Progress - Taxonomy: See p. 3 and 4

Populations:

De la Cruz (Mrs.) Herpetarium of species association in relation to collection, as determined by the use of artificial

George W. (Olds.) Phytosociology of flood - main in the woods

(bpd)

Picea	1	75
4 IIII	9.12	108
5 IIII	4.16	64
5 IIII	7.20	140
6 II	2.28	56
7 II	3.34	112
8 I	2.38	76
	1.44	44
	1.50	50
	<u>29</u>	<u>715</u>
	30	

Thuja	3	110
4 III	3.12	36
5 II	2.16	32
5 IIII	5.20	100
6 I	1.28	28
7 IIII	4.34	136
8 I	4.38	152
8 IIII	1.44	44
8 IIII	16.50	800
	<u>39</u>	<u>1608</u>
	30	
	31	

Elm	2	65
4 IIII	9.12	72
5 IIII	1.16	16
6 IIII	8.20	160
7 IIII	4.24	96
8 I	3.28	84
8 II	2.38	76
8 I	1.44	44
8 IIII	4.50	200
	<u>30</u>	<u>898</u>
	31	

29
36
6
30
101

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Achillea millefolium</i>																							
<i>Actaea</i> sp.																							
<i>Adiantum pedatum</i>																							
<i>Agrostis gigantea</i>																							
<i>Agrostis perennans</i>																							
<i>Agrostis scabra</i>																							
<i>Alnus rugosa</i>	✓	✓	✓	✓	✓						✓				✓			✓	✓	✓	✓	9	
<i>Amphicarpa bracteata</i>																							
<i>Anaphalis margaritacea</i>																							
<i>Andromeda glaucophylla</i>																			✓			1	
<i>Anemone canadensis</i>																							
<i>Anemone riparia</i>																							
<i>Anemone virginiana</i>																							
<i>Angelica atropurpurea</i>																							
<i>Aralia hispida</i>																							
<i>Aralia nudicaulis</i>																							
<i>Arethusa bulbosa</i>																							
<i>Arisaema atrorubens</i>																							
<i>Asclepias incarnata</i>																							
<i>Asclepias syriaca</i>																							
<i>Asparagus officinalis</i>																							
<i>Aster junciformis</i>																							
<i>Aster lateriflorus</i>																							
<i>Aster macrophyllus</i>																							
<i>Aster novae-angliae</i>																							
<i>Aster umbellatus</i>																							
<i>Athyrium filix-femina</i>																							
<i>Barbarea vulgaris</i>																							
<i>Betula pumila</i>																							
<i>Bidens comosa</i>																							
<i>Bidens connata</i>																							
<i>Bidens coronata</i>																							
<i>Boehmeria cylindrica</i>																							
<i>Botrychium virginianum</i>																							
<i>Brachyelytrum erectum</i>																							
<i>Bromus ciliatus</i>																							
<i>Calamagrostis canadensi</i>																							
<i>Calla palustris</i>																							
<i>Calopogon pulchellus</i>																							
<i>Caltha palustris</i>																							
<i>Campanula aparinoides</i>																							
<i>Carex aquatilis</i>																							
<i>Carex arcta</i>																							
<i>Carex bebbii</i>																							
<i>Carex brunnescens</i>																							
<i>Carex cephalantha</i>																							
<i>Carex comosa</i>																							
<i>Carex crinita</i>																							
<i>Carex c. var. gynandra</i>																							
<i>Carex debilis</i>																							
<i>Carex deweyana</i>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5068

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5068

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5068

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>																							
<i>Oxalis montana</i>																							
<i>Oxalis stricta</i>																							
<i>Panicum boreale</i>																							
<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>																							
<i>Potentilla palustris</i>																							
<i>Prenanthes alba</i>																							
<i>Prunella vulgaris</i>																							
<i>Prunus pensylvanicum</i>																							
<i>Prunus virginiana</i>																							
<i>Pteridium aquilinum</i>																							
<i>Pycnanthemum virginianum</i>																							
<i>Pyrola asarifolia</i>																							
<i>Pyrola elliptica</i>																							
<i>Pyrola rotundifolia</i>																							
<i>Pyrola secunda</i>																							
<i>Pyrus floribunda</i>																							
<i>Pyrus melanocarpa</i>																							
<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>																							
<i>Ribes lacustre</i>																							
<i>Ribes triste</i>																							
<i>Rosa carolina</i>																							
<i>Rubus allegheniensis</i>																							
<i>Rubus idaeus</i>																							
<i>Rubus occidentalis</i>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5068

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>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	17	
<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> v																							
<i>Scirpus acutus</i>																							
<i>Scirpus cyperinus</i>																							
<i>Scirpus hudsonianus</i>																							
<i>Scirpus pedicellatus</i>																							
<i>Scirpus rubrotinctus</i>																							
<i>Scirpus validus</i>																							
<i>Scutellaria epilobifolia</i>										✓												1	
<i>Scutellaria lateriflora</i>																							
<i>Selaginella selaginoides</i>																							
<i>Senecio aureus</i>																							
<i>Sium suave</i>																							
<i>Smilacina stellata</i>																							
<i>Smilacina trifolia</i>	✓	✓						✓		✓				✓	✓	✓	✓	✓	✓	✓	✓	11	
<i>Smilax herbacea</i>																							
<i>Smilax lasioneura</i>																							
<i>Solanum dulcamara</i>																							
<i>Solidago canadensis</i>																							
<i>Solidago gigantea</i>																							
<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>	✓	✓												✓	✓							3	
<i>Triglochin maritima</i>																							
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>	✓						✓										✓		✓			3	
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>	✓	✓					✓	✓	✓	✓			✓	✓		✓	✓	✓	✓	✓	✓	12	
<i>Vaccinium oxycoccos</i>	✓					✓	✓	✓			✓	✓				✓						6	

[illegible]

Jack is ca 900 feet in

Date Form No. 22

Plant Ecology Research

Univ. of Wisconsin

after small alders 68

PRESENCE LIST

CONIFER BOG

Stand No.

Abies balsamea 6, 7, 8, 9, 10, 11, 14, 15
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 18, 19
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

4, 1 45 Alnus incana 1, 2, 3, 4, 10, 14, 17, 18, 20
Alnus rugosa
6 5 5 Andromeda glaucophylla 19
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
6 9 75 Chamaedaphne calyculata
Chiogenes hispidula 1, 2, 3, 4, 5, 6, 7, 8, 9
Cicuta bulbifera 10, 11, 12, 16, 17, 18
Cicuta maculata 19
Circaea alpina 13, 18, 19
Cirsium muticum 14, 15, 16
Clintonia borealis 2, 3, 5, 10, 12, 13
8, 3 90 Coptis trifolia 1, 2, 3, 4, 5, 6, 7, 8, 9
Corallorrhiza trifida
7 9 85 Cornus canadensis 1, 2, 3, 4, 5, 6, 9
Cornus obliqua 10, 11, 12, 13, 14, 16
Cornus stolonifera 17, 18, 19, 20
Cypripedium acaule
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
Dryopteris linneana

Dryopteris phegopteris
1, 4 15 Dryopteris spinulosa 3, 14, 17
Dryopteris thelypteris
Dulichium arundinaceum
Epigaea repens
Epilobium adenocaulon
Epilobium angustifolium
6 5 5 Epilobium densum
Equisetum scirpoides
Eriophorum angustifolium
Eriophorum virginicum
Eriophorum viridi-carinatum
Eupatorium perfoliatum
Eupatorium maculatum
Galium aparine
Galium concinnum
Galium labradoricum
Galium trifidum
6 5 5 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
9 10 Kalmia polifolia 6, 16, 17, 19, 20
8, 3 90 Ledum groenlandicum 1, 2, 3, 4, 5, 6, 7, 8, 9
Leersia oryzoides 10, 11, 12, 14, 15, 16, 17, 18
7, 3 80 Linnaea borealis 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Liparis loeselii 11, 12, 13, 14, 18, 20 85
6 4 15 Listera cordata 9, 16, 17
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
6 5 5 Maianthemum canadense
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
Mitella nuda
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
6 5 5 Nemopanthus mucronata 20
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 2, 3, 4, 5, 7, 8, 9, 10, 11
Rynchospora alba 12, 13, 14, 15, 16
7 9 Salix candida 17, 18, 19
Sarracenia purpurea

Data Form No. 22 (P.2)

Saxifraga pennsylvanica	5.0 55	Smilacina trifolia	2, 7, 9, 13, 14, 15, 16	Typha latifolia	
Scirpus cyperinus		Smilax herbacea	17, 18, 19, 20, 15	Vaccinium angustifolium	6, 16, 18
Scirpus acutus		Solidago serotina		Vaccinium macrocarpon	
Scirpus hudsonianus		Spiraea alba		Vaccinium oxycoccus	5, 6, 7, 10, 11
Scirpus rubrotinctus		Spiraea tomentosa		Vaccinium pennsylvanicum	16
Scirpus validus		Steironema lanceolatum		Viburnum opulus	
Scutellaria epilobifolia	9	Symplocarpus foetidus		Viola canadensis	
Scutellaria lateriflora		Thalictrum dasycarpum		Viola pallens	3, 8, 9, 11, 13, 14, 15
Selaginella selaginoides		Trientalis borealis	2, 12, 13	Vitis riparia	16, 20
Sium suave		Triglochin maritima			

Additional species:

6.9 75 ✓ Carex triep 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 15, 16, 17, 18,

2.8 30 ✓ grass 1, 8, 11, 13, 19, 20

✓ Carex pauc

3.7 40 ✓ C disp 1, 2, 8, 9, 12, 13, 14, 20

✓ ~~Carex~~

1.8 20 ✓ Symplocaris 5, 10, 14, 15,

5.5 60 ✓ Vau myrt 6, 7, 8, 9, 12, 13, 15, 16, 17, 18, 19, 20.

2.3 25 ✓ Galium trifl 8, 11, 14, 15, 16,

~~road of 9, 11, 17,~~

5 5 Lonicera can 11,

5 5 Carex ~~dis~~ 12,

1.8 20 Carex ~~dis~~ 13, 14, 15, 16,

0.9 10 ~~selge~~ 12, 13,

9.2 100 sph
C serot 17

7 1090