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Plant Ecology Laboratory
Data Form 68

Station No.

504/ hand 5

Data Form 66												Station No.	
Tree	No.	No.	Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	80	320	3214	Dom.	Sap.	Seed	Seed	Tr.	Tr.		Tr.
Abies balsamea	1	1	1			28		28	3.0	1	1.7	5.9	24
Acer rubrum													
Acer spicatum													
Betula lutea													
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	9	14	14			242		193	27.3	14	14.8	56.1	56
Picea glauca													
P. mariana	20	82	82			1312		16.0	60.6	82	80.2	222.9	279
Pinus resinosa													
P. strobus	2	2	2			32		16.0	6.1	2	17.9	10.1	20
Pop. balsamifera													
P. grand.													
P. trem.	1	1	1			22		22	3.0	1	1.3	5.3	15
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.													
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

560.2

1.58

3. (mm) W Feb 5041

①	Pm	4.5	16	1	⑧	Pm	5	10	5	⑮	Pm	4	12	1
		4	6	3			5	11	10		"	4	17	8
		4.5	19	11			5	9	2		"	4	22	9
		6					4				"	4		
②	Pm	4	10	9	⑨	Pm	4	6	2	⑯	Pm	4	10	2
		4.5	11	10		"	4	7	10		"	4	11	10
		4	5	11		Pm	4	17	1		"	4.5	4	5
		5				L	4				"	4.5		
③	Pm	4	7	8	⑩	Pm	4	9	11	⑰	Pm	4.5	7	2
		4	8	7		"	5	7	9		"	4.5	6	3
		4	5	8		Pm	4	3	10		"	5	22	7
		4.5				Pm	5				"	4.5		
④	Pm	4	3	10	⑪	L	4.5	7	3	⑱	L	4.5		
	"	4.5	14	2		L	4	12	2		Pm	4	7	7
	L	4	4	10		Pm	5	15	11		"	4	17	6
⑤	Pm	4	11	6		"	5				"	4	6	8
		5	8	4	⑫	"	4				L	4		
		5	3	7		Pm	4	10	9	⑲	Pm	4.5	11	11
⑥	Pm	4	18	5		"	4.5	14	5		"	4.5	10	2
		4.5	6	4	⑬	"	4	11	7		L	6	7	10
		5	7	9		L	4				Ab	6		
		5				Pm	4	4	6	⑳	Pm	5	8	7
⑦	Pm	6.5	18	4			6	6	6		"	4	3	2
	"	6	22	3	⑭	Pm	4	4	9		Pop	tr 5.5	17	8
	"	4	21	0			4.5	6	11		Pm	4		
	L	4					4	7	4		"	6		
	"	4					4							

606
369
236

$$\begin{array}{r} 1 \\ 14 \\ 83 \\ 2 \\ 1 \\ \hline 101 \end{array}$$

$125 \times 7 = 875$
 $188 \times 2 = 376$
 $1915 \times 2 = 3830$
 $283 \times 3 = 849$

 14

$$\text{III} \quad 4-4-4-4-4, 5-4-4-5-5-4, 5-4-6-6-6$$
$$4.5 - 0.5 = 4 \quad 6.5 - 0.5 = 6 \quad 4.5 - 0.5 = 4 \quad 4.5 - 0.5 = 4 \quad 4.5 - 0.5 = 4 \quad 4.5 - 0.5 = 4$$
$$5^1 - 5^1 - 5^1 - 4^1 - 4^1 - 4^1 - 5^1 - 5^1 - 5^1 - 4^1 - 5^1 - 6^1 - 5^1 - 5^1 - 4^1 - 5^1 - 5^1 - 5^1 - 4^1 - 4^1 -$$

4-4-4-4-5-5-5-5-5-5-4-4-4-5-4-5-4-6-4-5-15

4-4-4-4-4-5-4-4-4-4-4-5-4-4-5-4-5-4-5-5-

$\sqrt{4 \cdot 5 - 4 - 4 - 4 - 4 \cdot 5 - 4 \cdot 5 - 5 - 4 - 4 - 4}$
 $4 - 5 -$

5.5

94

21.5

12.0
19.5
24.80

$$12.6 \times 39 = 2.000$$

$$1868 \times 17 = 31718$$

$19.8 \times 20 =$

31/94 1- 10/10/4

0.8 x 2 - 5451

227 x 3 =

0.2 x 1.2 =

52

82

TABULATION FORM

CONIFER SWAMP

Stand No. 5041

[illegible]

CONIFER SWAMP

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Carex rostrata</i>	✓																						
<i>Carex diandra</i>																							
<i>Carex disperma</i>																							
<i>Carex flava</i>																							
<i>Carex granularis</i> var. ha																							
<i>Carex hystericina</i>																							
<i>Carex interior</i>																							
<i>Carex intumescens</i>	✓																						
<i>Carex lacustris</i>																							
<i>Carex lasiocarpa</i>																							
<i>Carex leptalea</i>																							
<i>Carex leptonervia</i>																							
<i>Carex limosa</i>																							
<i>Carex oligosperma</i>																							
<i>Carex pauciflora</i>	✓													✓	✓							1	
<i>Carex pauperula</i>	✓													✓			✓		✓			3	
<i>Carex pedunculata</i>																							
<i>Carex projecta</i>																							
<i>Carex pseudo-cyperus</i>																							
<i>Carex retrorsa</i>																							
<i>Carex scoparia</i>	✓																						
<i>Carex sterilis</i>																							
<i>Carex stipata</i>																							
<i>Carex stricta</i>																							
<i>Carex tenuiflora</i>																							
<i>Carex trisperma</i>	✓	✓	✓	✓	✓			✓		✓	✓		✓		✓		✓		✓			11	
<i>Carex tuckermanni</i>																							
<i>Chamaedaphne calyculata</i>	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	19	
<i>Chelone glabra</i>																							
<i>Cicuta bulbifera</i>																							
<i>Cicuta muculata</i>																							
<i>Cinna latifolia</i>																							
<i>Circaea alpina</i>																							
<i>Cirsium muticum</i>																							
<i>Clintonia borealis</i>	✓																						
<i>Coptis groenlandica</i>	✓																						
<i>Corallorrhiza trifida</i>																							
<i>Cornus alternifolia</i>																							
<i>Cornus canadensis</i>	✓																						
<i>Cornus obliqua</i>																							
<i>Cornus racemosa</i>																							
<i>Cornus stolonifera</i>																							
<i>Cypripedium acaule</i>	✓			✓	✓																	2	
<i>Cypripedium arietnum</i>																							
<i>Cypripedium calceolus</i>																							
<i>Cypripedium c</i> var. pub																							
<i>Cypripedium reginae</i>																							
<i>Cystopteris fragilis</i>																							
<i>Diervilla lonicera</i>																							
<i>Drosera intermedia</i>																							
<i>Drosera linearis</i>																							
<i>Drosera rotundifolia</i>	✓									✓												1	

[illegible]

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5041

[illegible]

Data Form No. 72

Plant Ecology Research

Univ. of Wisconsin

TABULATION FORM

CONIFER SWAMP

Stand No. 5041

[illegible]

PRESENCE LIST *Vilas*

CONIFER BOG

Stand No. 504

- Nide Rd B*
- ✓ *Abies balsamea*
 - ✓ *Acer rubrum*
 - Acer spicatum*
 - Betula lutea*
 - ✓ *Betula papyrifera*
 - Carya cordiformis*
 - Fraxinus nigra*

- 43N 7 E 20*
- Juglans cinerea*
 - ✓ *Larix laricina*
 - Picea glauca*
 - ✓ *Picea mariana*
 - Pinus resinosa*
 - ✓ *Pinus strobus*
 - ✓ *Populus tremuloides*

- 3.1 mi W Jax M.B*
- Prunus serotina*
 - Quercus bicolor*
 - Quercus rubra*
 - Sorbus americana*
 - Thuja occidentalis*
 - Tsuga canadensis*
 - Ulmus americana*

HERBS AND SHRUBS

- Alnus incana*
- ✓ *Alnus rugosa*
- ✓ *Andromeda glaucophylla* *2, 3, 4, 5, 7, 8, 13, 14*
- Anemone canadensis* *15, 16, 17, 18, 19*
- 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* *13, 14*
- ✓ *Calla palustris*
- ✓ *Calopogon pulchellus*
- Caltha palustris*
- Campanula aparinoides* *16, 17, 18, 19, 20*
- ✓ *Chamaedaphne calyculata* *2, 3, 4, 5, 6, 7, 9, 10*
- ✓ *Chiogenes hispidula* *10, 11, 12, 13, 14, 15*
- Cicuta bulbifera*
- Cicuta maculata*
- Circaea alpina*
- ✓ *Cirsium muticum*
- ✓ *Clintonia borealis*
- ✓ *Coptis trifolia*
- Corallorrhiza trifida*
- ✓ *Cornus canadensis*
- Cornus obliqua*
- Cornus stolonifera*
- ✓ *Cypripedium acaule* *3, 4*
- Cypripedium arietinum*
- Cypripedium parviflorum*
- Cypripedium pubescens*
- Cypripedium reginae*
- Decodon verticillatus*
- Diervilla lonicera*
- Drosera intermedia*
- Drosera longifolia*
- Drosera rotundifolia* *9*
- Dryopteris linneana*

- Dryopteris phegopteris*
- ✓ *Dryopteris spinulosa*
- Dryopteris thelypteris*
- Dulichium arundinaceum*
- Epigaea repens*
- Epilobium adenocaulon*
- Epilobium angustifolium*
- ✓ *Epilobium densum*
- Equisetum scirpoides*
- Eriophorum angustifolium*
- ✓ *Eriophorum virginicum* *3, 9, 14, 20, 4, 3, 5, 17*
- 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* *18, 19, 20*
- ✓ *Kalmia polifolia* *2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 15, 16, 17*
- ✓ *Ledum groenlandicum* *2, 3, 4, 5, 6, 7, 8, 10, 11, 12*
- Leersia oryzoides* *16, 17, 18, 19, 20*
- Linnaea borealis*
- Liparis loeselii*
- Listera cordata*
- Lobelia kalmii*
- Lobelia siphilitica*

- Lonicera caerulea*
- ✓ *Lonicera oblongifolia*
- ✓ *Lycopus uniflorus*
- Lysimachia terrestris*
- ✓ *Maianthemum canadense*
- Malaxis unifolia*
- ✓ *Menyanthes trifoliata* *12*
- 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*
- Rhynchospora alba*
- Salix candida*
- ✓ *Sarracenia purpurea* *2, 3, 4, 7, 17*

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

✓ Smilacina trifolia 7, 10, 11, 13, 14, 15, 16, 20
 Smilax herbacea
 Solidago serotina
 Spiraea alba
 Spiraea tomentosa
 Steironema lanceolatum
 Symplocarpus foetidus
 Thalictrum dasycarpum
 ✓ Trientalis borealis
 Triglochin maritima

Typha latifolia
 Vaccinium angustifolium 1
 ✓ Vaccinium macrocarpon
 ✓ Vaccinium oxycoccus 2, 3, 4, 5, 6, 11, 13, 15
 Vaccinium pennsylvanicum 12, 13, 20
 Viburnum opulus
 Viola canadensis
 ✓ Viola pallens
 Vitis riparia

Additional species:

- ~~Polygonum sagittatum~~
 — ~~Lysichiton~~ ~~thysiflora~~
 — ~~Lymanthia~~
 — ~~Ind ppe~~ Monotropa uniflora
 — ✓ Ades guineus
 — ✓ Lycopod laevidulum
 — ✓ Vace myrtillodes
 — ✓ Salix pedicellaris
 — ~~Pagrus melanocarpa~~
 — ~~Salix nigra~~
 — ✓ Sal purshii
 — ✓ Uryop cristata
 — ✓ Sal grammifolia
 — ✓ Bidens comosa
 — ✓ Glycena grandis
 — ✓ Carex ~~atrovirens~~ rostrata
 — ✓ Juncus effusus
 — ✓ Carex pauciflora 13
 — ✓ Carex lasperma 1, 2, 12, 10, 7, 9, 14, 15, 16, 3, 4
 — ✓ C paupercula 12, 13, 16
 — ✓ Glycena canadensis
 — ✓ Scirpus puberulus
 — ✓ Carex scirparia
 — ✓ C intumescens
 — ~~C. pauciflora~~ ~~virginicum~~ 3, 9, 14
 — ✓ Juncus melanocarpa 1
 — Juncus canadensis
 — ✓ Agrostis gigantea
 — ✓ Salix lutea