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Plant Ecology Laboratory
Data Form 68

Station No. 5009

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD	
	Pts.	Tr.	12-80	81-320	321+	Dom.	Sap.	Seed	Tr.	Tr.	Index	
Abies balsamea												
Acer rubrum	2	2	2			25			6.2	2	0.8	43.2
Acer spicatum												
Betula lutea												
B. papyrifera	8	16	16			507			25.0	16	17.1	290.5
Carya cord.												
C. ovata												
Fraxinus nigra												
Juglans cinerea												
Larix laricina	20	80	80	1		2406			62.5	80	81.3	223.8
Picea glauca												
P. mariana												
Pinus resinosa												
P. strobus												
Pop. balsamifera												
P. grand.												
P. trem.	2	2	2			25			6.2	2	0.8	40.5
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

32 100.

2963

9

100.0

298.1

657.0

598.0

5005

①

L	8	23.5
L	5	
L	4.5	22
L	5	14.75
L	7	

②

But gap	5	33
L	5	16.75
L	4	9.25
Bp	5	
Bd	5	

③

③

Bp	9	
Bp	7.5	9.25
Bp	4	23.25
Bp	9	11.5
L	8	
L	5	

④

Bp	5	20.75
Bp	8	25
L	3	16
L	4	
L	8	

⑤

⑤

L	4	
L	8	
L	8	
L	5	2.5
L	4	11.25
L	4	3.75
L	5	

⑥

⑥

L	8	6.5
L	7.5	8
L	5	13.75
L	6	
L	8	

2	L	8	
	L	6	
	L	7	11
	L	5	10.75
	L	5	10.5
	L	8	

⑤

L	6	12.2
L	8	19.5
L	7.5	12.6
L	7	
L	8	

⑨

	V_1	8	
L	2'5" core		
L	5		5.25
L	6		19.25
Bp	4		5.5
Bp	4		

(10)

L	5	6.5
L	4	24.5
L	7	15
L	5	
L	23" circ	

⑪

L	4	21.5
Bp	3	20
Bp	2	11
Bp	2' 2"	

⑫

(12)

Bp	2' 2"	
Bp	5	2.5
Phum	4	19.75
L	6	
L	8	24

13

L	8	
L	8	20.5
L	5	7.7
L	7	15.5
L	8	

④	0	
5	5	3
6	4	12
7	3	2
8	2	
9	1	
10	0	

②

L 4

Acetyl 4

2 27

1 210

$$\begin{array}{r} L \quad 2'10'' \\ L \quad 2'6'' \\ \hline L \quad 8 \\ L \quad \underline{2'54''} \\ \text{Aern} \quad 4 \end{array}$$

L 8
L 7
L 8
L 8

L
L
L
Bp
L

5
6
6.5
5
5.5

(19)	Bp	5	14.75
	L	8	
	L	9	10
	Bp	7.5	20.25
	L	7	

(20)	L	8	10.5
	Bpap	5	29.25
	Ppfr	4	20

log 0

↓ 6 mi. ↑

B

25

o. ~~Richard~~

TABULATION FORM

CONIFER SWAMP

Stand No. 5009

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>																							
<i>Amphicarpa bracteata</i>																							
<i>Anaphalis margaritacea</i>																							
<i>Andromeda glaucophylla</i>																							
<i>Anemone canadensis</i>																							
<i>Anemone riparia</i>																							
<i>Anemone virginiana</i>																							
<i>Angelica atropurpurea</i>																							
<i>Aralia hispida</i>																							
<i>Aralia nudicaulis</i>	✓		✓	✓	✓																	3	2
<i>Arethusa bulbosa</i>																							
<i>Arisaema atrorubens</i>																							
<i>Asclepias incarnata</i>	✓																						
<i>Asclepias syriaca</i>	✓							✓														1	1
<i>Asparagus officinalis</i>																							
<i>Aster junciformis</i>								✓	✓	✓											✓	4	3
<i>Aster lateriflorus</i>																							
<i>Aster macrophyllus</i>																							
<i>Aster novae-angliae</i>	✓	✓		✓																		2	1
<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>	✓																					1	1
<i>Bidens coronata</i>																							
<i>Boehmeria cylindrica</i>																							
<i>Botrychium virginianum</i>																							
<i>Brachyelytrum erectum</i>																							
<i>Bromus ciliatus</i>	✓																						
<i>Calamagrostis canadensis</i>	✓																	✓				1	1
<i>Calla palustris</i>																							
<i>Calopogon pulchellus</i>																							
<i>Caltha palustris</i>																							
<i>Campanula aparinoides</i>	✓									✓	✓	✓		✓			✓					5	3
<i>Carex aquatilis</i>																							
<i>Carex arcta</i>																							
<i>Carex bebbii</i>	✓																					1	
<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>																							

Aster sp.

2

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

TABULATION FORM

CONIFER SWAMP

Stand No. 5009

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 disjuncta</i>																							
<i>Dryopteris phegopteris</i>																							
<i>Dryopteris spinulosa</i>																							
<i>Dryopteris thelypteris</i>	✓	✓				✓	✓	✓	✓				✓			✓	✓	✓	✓	✓		11	8
<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>																							
<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>	✓											✓	✓									2	1
<i>Eupatorium perfoliatum</i>																							
<i>Galium aparine</i>	✓	✓	✓							✓	✓		✓	✓			✓	✓	✓		✓	10	7
<i>Galium boreale</i>	✓	✓					✓															2	1
<i>Galium concinnum</i>																							
<i>Galium labradoricum</i>																							
<i>Galium trifidum</i>																							
<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>	✓	✓	✓																	✓	✓	4	3
<i>Geum laciniatum</i>																							
<i>Geum rivale</i>																							
<i>Glyceria canadensis</i>																							
<i>Glyceria grandis</i>																							
<i>Glyceria striata</i>	✓										✓	✓										2	1
<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>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5009

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>	✓	✓																					
<i>Impatiens capensis</i>	✓	✓																					
<i>Iris versicolor</i>																							
<i>Iris virginica</i>																							
<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>																							
<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>	✓	✓	✓																			1	1
<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>	✓	✓				✓				✓	✓		✓	✓		✓						6	4
<i>Lysimachia ciliata</i>	✓	✓	✓																			1	1
<i>Lysimachia hybrida</i>																							
<i>Lysimachia quadriflora</i>	✓	✓																					
<i>Lysimachia terrestris</i>																							
<i>Lysimachia thyrsiflora</i>																							
<i>Maianthemum canadense</i>	✓	✓	✓	✓	✓	✓	✓								✓		✓	✓	✓			10	7
<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>	✓	✓												✓								1	1
<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>Nemophanthus mucronata</i>																							
<i>Onoclea sensibilis</i>	✓	✓																					
<i>Osmunda cinnamomea</i>																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5009

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5009

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5009

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 5009

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

✓ *Saxifraga pennsylvanica*✓ *Scirpus cyperinus*✓ *Scirpus acutus*✓ *Scirpus hudsonianus*✓ *Scirpus rubrotinctus*✓ *Scirpus validus*✓ *Scutellaria epilobifolia* 15, 6,✓ *Scutellaria lateriflora*✓ *Selaginella selaginoides*✓ *Sium suave*✓ *Smilacina trifolia*✓ *Smilax herbacea*✓ *Solidago serotina* 2, 5, 16,✓ *Spiraea alba*✓ *Spiraea tomentosa*✓ *Steironema lanceolatum*✓ *Symplocarpus foetidus*✓ *Thalictrum dasycarpum*✓ *Trientalis borealis*✓ *Triglochin maritima*✓ *Typha latifolia*✓ *Vaccinium angustifolium*✓ *Vaccinium macrocarpon*✓ *Vaccinium oxycoccus*✓ *Vaccinium pennsylvanicum*✓ *Viburnum opulus*✓ *Viola canadensis*✓ *Viola pallens* 16, 1, 2, 3, 10, 11, 12,✓ *Vitis riparia* 20, 13, 18, 19

Additional species:

✓ ~~*Viola (Dusterloo)*~~ 1, 2, 3, 10, 11, 12, 13, 18, 19,x ✓ ~~*Selago*~~ 9, 10, 11, 12, 13,✓ ~~*Lemna*~~x ✓ ~~*Mnium*~~ 9, 10, 11, 12, 14, 15, 18,✓ ~~*Viride ground mnter*~~ 13,✓ ~~*Hydrocotyle*~~ 8, 9, 10, 11, 12, 13, 17,✓ ~~*Solanum dulc*~~ 19,✓ ~~*Achillea*~~ 3,✓ ~~*Geranium mac*~~ 1, 2, 19, 20✓ ~~*Lychnis*~~ 1,✓ ~~*Aster pun*~~ 1, 3✓ ~~*Potentilla fruticosa*~~ (shrub) 7,✓ ~~*Aster junceiformis*~~ 7, 8, 9, 20,✓ ~~*Smilacina*~~✓ ~~*Smilacina*~~ 4, 2,✓ ~~*Plachys*~~ 5, 17✓ ~~*Ornus racemosa*~~ 16, 20,✓ ~~*Hydrocotyle*~~ 8✓ ~~*Polygonum sagittatum*~~ 10, 13, 17,✓ ~~*Galix discolor*~~ 11,✓ ~~*Galix discolor*~~ 11✓ ~~*Ornus*~~ 13,✓ ~~*Lychnis*~~ 13,✓ ~~*Aster*~~ 15, 6,✓ ~~*Smilax*~~ 1,✓ ~~*Rosa carolina*~~✓ ~~*Allyrium angustum*~~✓ ~~*Salix borealis*~~ 1, 6,

1 + 9

✓ *Carex depulsa* 9, 15, 10, 11, 7✓ *strata* 9, 10, 11, 6, 7,✓ *hebbii* 15,✓ *hyptericina*