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Plant Ecology Laboratory
Data Form 68

Station No. 5006

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	80	81-	321+							Dom.	Sap.
Abies balsamea													
Acer rubrum													
Acer spicatum													
Betula lutea													
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	20	68	68			1422			57.2	68	32.3	157.5	157.5
Picea glauca													
P. mariana													
Pinus resinosa													
P. strobus													
Pop. balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.	15	32	31	1		678			42.8	32	67.7	142.5	568.0
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

57.2
68
32.3
157.5

42.8
57.2
68
32.3
157.5
142.5

57.2
68
32.3
157.5
142.5

Total tran.

Av. Tr. Dis. 18.0 Av. BA

No. Tr./Acre

35 100

2100

100.0 100

3000 725.5

725.5

5006

Sp	Th	Des	Sp	Th	Des	Sp	Th	Des
Sp	5.5	15	Sp	6	23	Sp	2.3	5
Th	4	19	Th	4	7.5	Th	5	9.25
Th	4	1	Th	4	9.5	Th	6	13.75
Th	4		Th	4		Th	7	
L	6.5		L	5		Th	4	
L	4	7.5	L	4		L	6.5	
Th	4	14.5	L	4.5	7.5	L	4	5.25
L	4	12	L	5	8.25	L	4.5	2.5
L	4.5		L	5	14.75	Th	4	7
L	4		Th	4		L	4	
L	5.5	17	Th	5.5	9.75	L	5	11.75
L	4.5	15	L	5	7.75	L	6	11.25
L	4	3	L	4.5	9.5	L	5	13.5
L	4		L	4		L	4.5	
L	5		L	5		L	4	
Th	5	17	L	4.5		L	7	
L	6	1.5	L	5	1	L	4	6
L	7	4.25	L	4	5.25	L	6	4.25
L	8		L	5	7.5	L	4	1.5
L	6.5		Th	5		Th	5	
L	6.5		L	5.5		L	4	
L	7	18	Th	5		Th	4	
L	7	17	L	4	9	L	5.5	1.5
L	6	6	L	4	2.75	Th	4	12.25
Th	5.5		Th	4	11.75	L	4	14.75
L	4	5.25	3'2" circum			Th	4	
L	5.5	2.5	Th	4.5		L	4	
L	4	2.5	L	5	1	L	4	
L	4		Th	5	9.25	L	4	
L	4		L	6.5	10.25	L	5	5.25
L	4		Th	4		L	7	10.25
L	4	14	L	6.5	5.75	L	6	11.25
L	5	6	Th	5	14.5	L	4	
L	5.5	6.5	Th	4	12			
L	5		Th	4				
L	4							

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>	✓						✓	✓			✓	✓	✓						✓			6	4
<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>	✓																						
<i>Arethusa bulbosa</i>																							
<i>Arisaema atrorubens</i>	✓	✓	✓																			2	1
<i>Asclepias incarnata</i>																							
<i>Asclepias syriaca</i>																							
<i>Asparagus officinalis</i>																							
<i>Aster junciformis</i>	✓		✓													✓	✓		✓		✓	5	3
<i>Aster lateriflorus</i>																							
<i>Aster macrophyllus</i>																							
<i>Aster novae-angliae</i>	✓							✓		✓												2	1
<i>Aster umbellatus</i>	✓									✓												1	1
<i>Athyrium filix-femina</i>																							
<i>Barbarea vulgaris</i>																							
<i>Betula pumila</i>	✓			✓						✓	✓											3	1
<i>Bidens comosa</i>																							
<i>Bidens connata</i>																							
<i>Bidens coronata</i>	✓		✓		✓				✓		✓	✓			✓		✓	✓		✓	✓	10	4
<i>Boehmeria cylindrica</i>	✓							✓						✓								2	1
<i>Botrychium virginianum</i>																							
<i>Brachyelytrum erectum</i>																							
<i>Bromus ciliatus</i>																							
<i>Calamagrostis canadensis</i>	✓																						
<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>																							
<i>Carex brunnescens</i>																							
<i>Carex cephalantha</i>																							
<i>Carex comosa</i>			✓	✓	✓	✓		✓	✓	✓					✓	✓			✓		✓	11	
<i>Carex crinita</i>																							
<i>Carex c. var. gynandra</i>																							
<i>Carex debilis</i>																							
<i>Carex deweyana</i>																							

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5006

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5006

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>	✓									✓												1	1
<i>Impatiens capensis</i>	✓						✓		✓	✓	✓			✓				✓	✓	✓		7	4
<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>																							
<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>	✓	✓			✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	15	9
<i>Lysimachia ciliata</i>																							
<i>Lysimachia hybrida</i>																							
<i>Lysimachia quadriflora</i>																							
<i>Lysimachia terrestris</i>																							
<i>Lysimachia thyrsiflora</i>	✓			✓						✓						✓					✓	4	2
<i>Malanthemum canadense</i>	✓	✓	✓				✓	✓		✓	✓	✓	✓	✓				✓	✓	✓	✓	13	8
<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>	✓																						
<i>Muhlenbergia racemosa</i>																							
<i>Myrica gale</i>																							
<i>Nasturtium officinale</i>																							

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>	✓	✓			✓																	2	1
<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.									✓													1	1
<i>Polygonum sagittatum</i>																							
<i>Potentilla fruticosa</i>																							
<i>Potentilla palustris</i>				✓	✓		✓		✓	✓			✓									6	4
<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>	✓										✓				✓							2	1
<i>Rhus radicans</i>	✓																						
<i>Rhus vernix</i>	✓													✓								1	1
<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>																							

[illegible]

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>	✓							✓	✓	✓	✓								✓			53
<i>Viola renifolia</i>																						
<i>Vitis riparia</i>																						
<i>Xanthoxylum americanum</i>																						
sph	✓	✓	✓	✓							✓	✓		✓				✓				7

PRESENCE LIST

CONIFER BOG

Stand No. 5006

Fond du Lac 14 N 19 E 21
 ✓ *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* 7, 6, 11, 13, 15, 19
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
 ✓ *Aralia nudicaulis*
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
 ✓ *Arisaema atrorubens* 1, 2
Asclepias incarnata
Aster lateriflorus
Aster novae-angliae
 ✓ *Aster umbellatus* 9
 ✓ *Betula pumila* 3, 9, 10
Betula sandbergii
 ✓ *Bidens coronata* 2, 4, 5, 10, 11, 14, 16, 17, 19, 20
 ✓ *Boehmeria cylindrica* 7, 13
Botrychium virginianum
Bromus ciliatus
 ✓ *Calamagrostis canadensis*
Calla palustris
Calopogon pulchellus
 ✓ *Caltha palustris*
 ✓ *Campanula aparinoides* 2, 4, 5, 7, 15
Chamaedaphne calyculata
Chiogenes hispidula
Cicuta bulbifera 2, 3, 5, 6, 12, 17, 20
 ✓ *Cicuta maculata*
Circaea alpina
Cirsium muticum
Clintonia borealis
Coptis trifolia
Corallorrhiza trifida
Cornus canadensis
Cornus obliqua
 ✓ *Cornus stolonifera* 1, 3, 7, 8, 17, 18
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* 1, 3, 4, 7, 8, 9, 10, 20
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
 OK *Galium trifidum* 3, 5, 6, 8, 11, 12, 14, 16, 18, 20
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 pycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
 ✓ *Ilex verticillata* 9
 ✓ *Impatiens biflora* 6, 8, 10, 13, 17, 18, 19
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* 14, 5, 6, 8, 9, 11, 12, 13, 14
Lysimachia terrestris 15, 16, 17, 18, 20
 ✓ *Maianthemum canadense* 1, 2, 6, 7, 9, 10, 11, 12
Malaxis unifolia 13, 17, 18, 19, 20
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* 1, 7
Pedicularis lanceolata
Phalaris arundinacea
Physocarpus opulifolius
 ✓ *Poa palustris*
Pogonia ophioglossoides
Polygala pauciflora
Potentilla palustris 3, 4, 6, 8, 9, 12
Prenanthes alba
Pyrola asarifolia
Pyrola elliptica
Pyrola rotundifolia
Pyrola secunda
Ranunculus abortivus
 ✓ *Rhamnus alnifolia* 11, 14
 ✓ *Rhus radicans*
 ✓ *Rhus vernix* 13
Ribes americanum
Ribes cynosbati
 ✓ *Ribes hirtellum*
Ribes lacustre
Ribes triste
Rorippa palustris
Rosa caroliniana
 ✓ *Rubus idaeus*
 ✓ *Rubus triflorus* 1, 2, 4, 5, 7, 9, 10, 12, 13, 15
 ✓ *Rhynchospora alba* 17, 19, 20
 ✓ *Salix candida*
Sarracenia purpurea

- | | | |
|---------------------------------|------------------------------|---------------------------------|
| Saxifraga pennsylvanica | ✓ Smilacina trifolia 20, 15, | Typha latifolia |
| Scirpus cyperinus | Smilax herbacea | Vaccinium angustifolium |
| Scirpus acutus | Solidago serotina | Vaccinium macrocarpon |
| Scirpus hudsonianus | Spiraea alba | Vaccinium oxycoccus |
| Scirpus rubrotinctus | Spiraea tomentosa | Vaccinium pennsylvanicum |
| Scirpus validus | Steironema lanceolatum | Viburnum opulus |
| ✓ Scutellaria epilobifolia 10, | ✓ Symplocarpus foetidus | Viola canadensis |
| Scutellaria lateriflora 12, 14, | Thalictrum dasycarpum | ✓ Viola pallens 7, 8, 9, 10, 19 |
| Selaginella selaginoides | ✓ Trientalis borealis 10, | Vitis riparia |
| Sium suave 1 3, 5, 12, 13, 20 | Triglochin maritima | |

Additional species:

Splachnum luteum 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 17, 20

Hyssopus thymus 3, 9, 15, 20

✓ *Equisetum fluviatile* 3, 8, 9,

✓ *Rumex* veris 3, 5,

Aster junceiformis 2, 15, 16, 18, 20

+ ✓ *Urtica* of presence 1, 2, 3, 10, 11, 13, 17,

Carex comosa 2, 3, 4, 5, 8, 9, 10, 14, 15, 18, 20,

+ *Mnium* of presence 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19,

Alnus ?? of presence 6, 7, 11, 13, 15, 19,

+ *Salix* of presence 5, 8, 9, 11, 15, 16, 17, 19,

✓ *Urtica* of presence 2, 9, 11, 18, 19,

✓ *Aster puniceus* 7, 9,

✓ *Salix pedicellaris* 10,

✓ *Juniperus communis* v. *depressa*

✓ *Salix discolor*

✓ *Monarda mollis*

✓ *Polygonum natans* / *Hautbois* 8,

✓ *Smilacina latifolia*

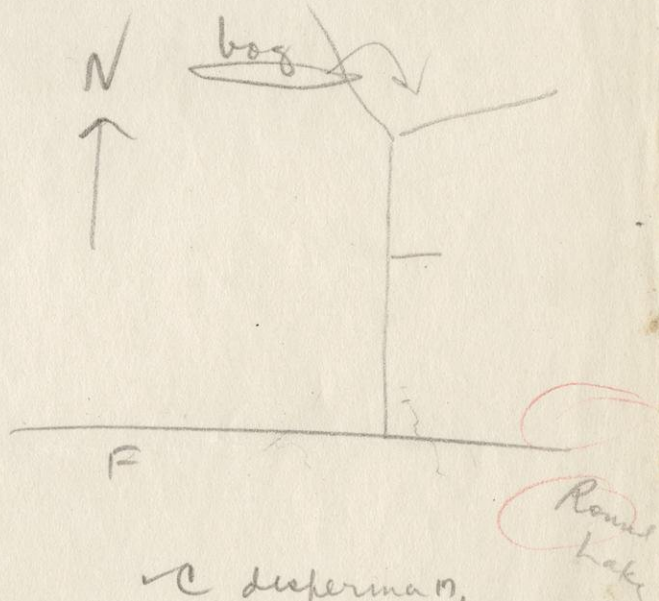
✓ *Urtica*

✓ *Urtica*

✓ *Poa pratensis*

✓ *Chelone glabra* v. *limifolia* of *obtusata*

✓ *Urtica* *trilobum* (sp.)



✓ *C. disperma* 17,

✓ *C. trisperma* 5,

✓ *C. pseudocyperus*

✓ *C. lacustris*

C. interior 12, 2,

✓ *C. leptaleus* 12, 18, 20