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Plant Ecology Laboratory
Data Form 68

Station No. 53

Tree	No.		Size Cl. sq. in.			Dom.	No. Sap.	F% Seed	F% Seed	D% Tr.	Dom% Tr.	DFD Index
	Pts.	Tr.	12-80	81-320	321+							
Abies balsamea												
Acer rubrum												
Acer spicatum												
Betula lutea												
B. papyrifera												
Carya cord.												
C. ovata												
Fraxinus nigra												
Juglans cinerea												
Larix laricina												
Picea glauca												
P. mariana	20	97	97			1546			86.9	97	96.5	280.4
Pinus resinosa												
P. strobus	3	3	3			56			13.0	3	3.5	19.5
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.

Av. BA

No. Tr./Acre

23 100

1602

25 99

320

638.8

280
560.8

78.0

CONIFER SWAMP

Ecology Form # 71

Stand # 53

Redox

Conduc.

Field Data Sheet - Trees

Cat.Cap.

Location 40N 8 E 13

pH

02

36" Bore *pear*

% Cover 75

Basal Area *Abies Pinus str*

Larix Picea Thuja ~~Pop. tr. Betula pap.~~

Distances

	4 4 5.5			8.25	3.75	23.2
	4 4 5.5			11.75	11.25	16.75
	4 4 5.5			18.25	11.0	22.0
	4 4 4.5		4.5	12.25	5.25	12.5
	4 4 4			9.0	2.5	9.5
	5 4.5			21.75	8.0	10.5
	5 5 4			1.5	8.5	12.25
	4.5 4		6	9.75	2.5	7.5
	4 4 4			5.0	6.0	8.0
	4 4.5			10.75	12.5	9.0
	6 6 4			13.75	4.0	9.25
	4 4		4	9.5	4.5	10.5
	4.45 5			8.5	10.25	16.75
	4 4 4			3.5	15.5	11.75
	5 4			9.0	8.75	7.0
	4 4 4			10.0	9.75	9.0
	5 5 5			13.5	20.25	12.5
	5 5			9.0	8.75	5.0
	4.5 4.5			8.0	10.5	13.75
	4.5 5			3.0	25.0	8.0
	5 5 5					
	5 5					
	7 4					
	5 5 5					
	5.5 5					
TOTALS	4 4 5					

Sketch Map:



$$\begin{array}{r} 16 \\ 12 \\ \hline 28 \\ \hline 56 \end{array}$$

Picea

~~三~~ ~~五~~ ~~七~~ ~~九~~ ~~十一~~ ~~十三~~ ~~十五~~ ~~十七~~ ~~十九~~ ~~二十一~~ ~~二十三~~ ~~二十五~~ ~~二十七~~ ~~二十九~~ ~~三十一~~

5 IIII IIII IIII IIII IIII

6 IIII

21

48.12 576

15. 16 240

27.20 540

4.24 96

2.28 56

1.38 38

97 1546

$$\begin{array}{r} 48 \\ 12 \\ \hline 96 \end{array} \quad \begin{array}{r} 16 \\ 15 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 48 \\ 576 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ 15 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 16 \\ 6 \\ \hline 240 \end{array}$$

Stand No. 5053

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

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5053

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5053

[illegible]

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5053

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 5053

seed *Abies balsamea*
 seed *Acer rubrum* 14,
Acer spicatum
 seed *Betula lutea* 8, 9, 10, 11, 12, 13, 15, 16, 17, 18,
Betula papyrifera 19, 20
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

under mat
 low
 surroundings
 lots of young
 spread

HERBS AND SHRUBS

5.3 10 *Alnus incana*
Alnus rugosa
 5.3 10 *Andromeda glaucophylla* 2, 3,
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
 10.1 20 *Chamaedaphne calyculata* 2, 4, 5, 6,
 10.2 0 *Chiogenes hispidula* 1, 2, 3, 14,
Cicuta bulbifera
Cicuta maculata
Circaea alpina
Cirsium muticum
Clintonia borealis
Coptis trifolia
Corallorrhiza trifida
Cornus canadensis
Cornus obliqua
Cornus stolonifera
 2.6 5 *Cypripedium acaule* 13,
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
 2.6 5 *Drosera rotundifolia* 3,
Dryopteris linneana

5.3 10 *Dryopteris phegopteris*
Dryopteris spinulosa 12, 14,
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
 21.0 40 *Kalmia polifolia* 1, 3, 4, 5, 6, 8, 9, 20
 27.0 55 *Ledum groenlandicum* 1, 2, 3, 5, 6, 7, 8, 16, 18,
 19, 20
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
Onclea 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 14,
Rubus triflorus
Rhynchospora alba
Salix candida
Sarracenia purpurea

Data Form No. 22 (P.2)

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

✓ Smilacina trifolia
 Smilax herbacea
 Solidago serotina
 Spiraea alba
 Spiraea tomentosa
 Steironema lanceolatum
 Symplocarpus foetidus
 Thalictrum dasycarpum
 ✓ Trientalis borealis
 Triglochin maritima

2.16 5 Typha latifolia
 2.16 5 Vaccinium angustifolium₂
 Vaccinium macrocarpon
 2.16 5 Vaccinium oxycoccus₂
 Vaccinium pennsylvanicum
 Viburnum opulus
 Viola canadensis
 ✓ Viola pallens
 Vitis riparia

Additional species:

Wall mgt
 5.3 10 ✓ Cereus tropi, 12, 15,
 2.16 5 ✓ Hypoxandrum luc 1,
 2.16 5 ✓ Erioph. sp 3,

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