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CONIFER SWAMP

Ecology Form # 71

Stand # 97

Field Data Sheet - Trees

Redox

Conduc.

Cat. Cap.

Location

pH

02

36" Bore *reheat* 8", % Gover 85

Basal Area

Larix Picea

Thuja I

p. tr. Betu

a pap.

bies rock

at 3" in g.c.

Distances

Festinus nig.

130

६

110

4

6.5

(50)

(45)

22

(30) 5.5

4.5

6.5

5 7.5

5

55

57

25 4.5 100

TOTALS

Sketch Map:

Woffham

1anger 53
Ta

Cu 8 mi

Plant Ecology Laboratory
Data Form 68

Station No.

5097

Data Form 00													Station No.	
Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD			
	Pts.	Tr.	80	81-	321+								Dom.	Sap.
Abies balsamea	1	1	1			20		3.0	1	0.3	4.3	16		
Acer rubrum														
Acer spicatum														
Betula lutea														
B. papyrifera														
Carya cord.														
C. ovata														
Fraxinus nigra	12	20	17	3		905		36.4	20	13.4	69.8	490		
Juglans cinerea														
Larix laricina														
Picea glauca														
P. mariana														
Pinus resinosa														
P. strobus														
Pop. balsamifera														
P. grand.														
P. trem.														
Prunus serotina														
Pyrus americana														
Quercus bicolor														
Q. rubra														
Thuja occ.	20	79	57	22		5845		60.6	79	86.3	225.4	904		
Tilia americana														
Tsuga can.														
Ulmus americana														
U. rubra														

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

33

6770

100 100 100 300

14/6

Flax mg

97

Alives
20

80 35
85 120
110 85
110 140
70 100
120 65
110 110
60 90
85 50
65 65
180 60
75 170
100 75
80 55
75 55
65 110
80 55
85 110
95 55
90 110
60
60
65
70
70
120
120
110
100
150
60
65
65
80
65
60
170
190
100
100
95
35
110

20 905

5825

79 5845

4 1
5 11
6 11
7 11
11 1
110
75
30
22
45
50
110
65
130
150
180
110
120
120
65
70
90
2.60
90
95
180
3.80
85
110
2.70
120
60
2.85
40
2.65
180
2.75

Fluxa

65 90
65 50
80 65
85 60
60 170
190 75
170 55
100 100
100 100
90
35
110
35
120
85
140
100
65
110

TABULATION FORM

CONIFER SWAMP

Stand No. 5097

[illegible]

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	✓										✓					✓						2
Carex flava																						
Carex granularis var. ha																						
Carex hystericina																						
Carex interior																						
Carex intumescens	✓	✓					✓		✓		✓	✓		✓		✓			✓	✓	✓	9
Carex lacustris																						
Carex lasiocarpa																						
Carex leptalea	✓	✓	✓																		✓	2
Carex leptoneuria																						
Carex limosa																						
Carex oligosperma																						
Carex pauciflora																						
Carex paupercula																						
Carex pedunculata	✓	✓	✓			✓	✓	✓		✓					✓		✓				✓	8
Carex projecta																						
Carex pseudo-cyperus																						
Carex retrorsa																						
Carex scoparia																						
Carex sterilis																						
Carex stipata																						
Carex stricta																						
Carex tenuiflora																						
Carex trisperma																						
Carex tuckermani																						
Chamaedaphne calyculata	✓																					
Chelone glabra																						
Cicuta bulbifera																						
Cicuta muculata																						
Cinna latifolia																						
Circaea alpina	✓	✓				✓		✓			✓	✓	✓	✓		✓	✓				✓	9
Cirsium muticum																						
Clintonia borealis																						
Coptis groenlandica																						
Corallorrhiza trifida																						
Cornus alternifolia																						
Cornus canadensis	✓															✓	✓	✓				3
Cornus obliqua																						
Cornus racemosa																						
Cornus stolonifera																						
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. 5097

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5097

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Imp. sp.</i>	✓																						
<i>Hystrix patula</i>																							
<i>Ilex verticillata</i>																							
<i>Impatiens capensis</i>	✓												✓									1	
<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>	✓	✓																				1	
<i>Lycopodium annotinum</i>	✓					✓																1	
<i>Lycopodium clavatum</i>																							
<i>Lycopodium lucidulum</i>																							
<i>Lycopodium obscurum</i>																							
<i>Lycopus uniflorus</i>	✓	✓											✓									1	
<i>Lysimachia ciliata</i>	✓	✓																					
<i>Lysimachia hybrida</i>					✓																		
<i>Lysimachia quadriflora</i>																							
<i>Lysimachia terrestris</i>																							
<i>Lysimachia thyrsiflora</i>																							
<i>Maianthemum canadense</i>	✓				✓	✓	✓		✓	✓	✓	✓		✓		✓	✓	✓	✓		✓	13	
<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>	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	13	
<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>																							
<i>Nemophanthus mucronata</i>																							
<i>Onoclea sensibilis</i>	✓				✓						✓	✓										3	
<i>Osmunda cinnamomea</i>	✓																						

Osmunda sp.

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5097

[illegible]

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 97

✓ *Abies balsamea* 9, seed
 ✓ *Acer rubrum* seedling
 ✓ *Acer spicatum*
 ✓ *Betula lutea*
 ✓ *Betula papyrifera*
 ✓ *Carya cordiformis*
 ✓ *Fraxinus nigra* 20

✓ *Juglans cinerea*
 ✓ *Larix laricina*
 ✓ *Picea glauca*
 ✓ *Picea mariana*
 ✓ *Pinus resinosa*
 ✓ *Pinus strobus*
 ✓ *Populus tremuloides*

✓ *Prunus serotina*
 ✓ *Quercus bicolor*
 ✓ *Quercus rubra*
 ✓ *Sorbus americana*
 ✓ *Thuja occidentalis* 20
 ✓ *Tsuga canadensis*
 ✓ *Ulmus americana* seedling

HERBS AND SHRUBS

✓ *Alnus incana*
 ✓ *Alnus rugosa* 4, 16
 ✓ *Andromeda glaucophylla*
 ✓ *Anemone canadensis*
 ✓ *Aralia hispida* 10, 11, 14
 ✓ *Aralia nudicaulis* 5, 10, 11, 14, 15, 16, 17, 18, 19
 ✓ *Arceuthobium pusillum*
 ✓ *Arctostaphylos uva-ursi*
 ✓ *Arethusa bulbosa*
 ✓ *Arisaema atrorubens*
 ✓ *Asclepias incarnata*
 ✓ *Aster lateriflorus*
 ✓ *Aster novae-angliae* 9
 ✓ *Aster umbellatus*
 ✓ *Betula pumila*
 ✓ *Betula sandbergii* 15,
 ✓ *Bidens coronata*
 ✓ *Boehmeria cylindrica*
 ✓ *Botrychium virginianum* 9, 10, 15, 20
 ✓ *Bromus ciliatus*
 ✓ *Calamagrostis canadensis*
 ✓ *Calla palustris*
 ✓ *Calopogon pulchellus*
 ✓ *Caltha palustris* 11
 ✓ *Campanula aparinoides*
 ✓ *Chamaedaphne calyculata*
 ✓ *Chiogenes hispidula*
 ✓ *Cicuta bulbifera*
 ✓ *Cicuta maculata*
 ✓ *Circaea alpina* 4, 6, 9, 10, 11, 12, 14, 15, 20
 ✓ *Cirsium muticum*
 ✓ *Clintonia borealis*
 ✓ *Coptis trifolia*
 ✓ *Corallorrhiza trifida*
 ✓ *Cornus canadensis* 14, 15, 16,
 ✓ *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* *limnensis* 5
 ✓ *Dryopteris* *dissecta* 19,

✓ *Dryopteris phegopteris*
 ✓ *Dryopteris spinulosa* 12, 3, 4, 6, 7, 9, 10, 14
 ✓ *Dryopteris thelypteris* 13, 14
 ✓ *Dulichium arundinaceum*
 ✓ *Epigaea repens*
 ✓ *Epilobium adenocaulon*
 ✓ *Epilobium angustifolium* 4,
 ✓ *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* 10, 13,
 ✓ *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* 12,
 ✓ *Iris versicolor* 19
 ✓ *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* 12,
 ✓ *Lysimachia terrestris*
 ✓ *Maianthemum canadense* 4, 5, 6, 8, 9, 10, 11,
 ✓ *Malaxis unifolia* 13, 15, 16, 17, 18,
 ✓ *Menyanthes trifoliata* 20
 ✓ *Mimulus ringens*
 ✓ *Mitchella repens*
 ✓ *Mitella nuda* 2, 4, 5, 6, 8, 9, 10, 11, 13, 14,
 ✓ *Moneses uniflora* 15, 18, 20
 ✓ *Muhlenbergia mexicana*
 ✓ *Muhlenbergia racemosa*
 ✓ *Myrica gale*
 ✓ *Nemopanthus mucronata*
 ✓ *Onoclea sensibilis* 4, 10, 11,
 ✓ *Osmunda cinnamomea*
 ✓ *Osmunda regalis*
 ✓ *Parnassia caroliniana*
 ✓ *Parthenocissus vitacea* 13,
 ✓ *Pedicularis lanceolata*
 ✓ *Phalaris arundinacea*
 ✓ *Physocarpus opulifolius*
 ✓ *Poa palustris*
 ✓ *Pogonia ophioglossoides*
 ✓ *Polygala pauciflora*
 ✓ *Potentilla palustris*
 ✓ *Prenanthes alba*
 ✓ *Pyrola asarifolia*
 ✓ *Pyrola elliptica*
 ✓ *Pyrola rotundifolia*
 ✓ *Pyrola secunda* 20
 ✓ *Ranunculus abortivus*
 ✓ *Rhamnus alnifolia*
 ✓ *Rhus radicans*
 ✓ *Rhus vernix*
 ✓ *Ribes americanum*
 ✓ *Ribes cynosbati*
 ✓ *Ribes hirtellum*
 ✓ *Ribes lacustre*
 ✓ *Ribes triste*
 ✓ *Rorippa palustris*
 ✓ *Rosa caroliniana* 2, 8,
 ✓ *Rubus idaeus* 2, 14,
 ✓ *Rubus triflorus* 1, 2, 3, 5, 6, 8, 9, 11, 13, 15,
 ✓ *Rhynchospora alba* 16, 17, 18, 20
 ✓ *Salix candida*
 ✓ *Sarracenia purpurea*

✓ *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* 6, 8, 14, 15
Triglochin maritima

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 July 28-54
Typha latifolia
Vaccinium angustifolium
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
✓ *Viola pallens* 12, 13, 14, 17, 18, 20
Vitis riparia

Additional species:

✓ *Athyrium angustum*
✓ *Galium triflorum* 1, 2, 6, 7, 8, 11, 12, 13, 15, 17, 18, 19, 20
✓ *Carex pensilvanica* 1, 4, 5, 6, 9, 14, 16, 20
✓ *Sphagnum*
✓ *Carex flacca* 2, 20
✓ *Carex gigantea* 6, 8, 10, 11, 13, 15, 18, 19, 20
✓ *Solidago* sp.
✓ *Thalictrum* sp.
✓ *Asplenium platyneuron* 9,
✓ *Equisetum hyemale* 10,
✓ *Calycogonum* sp.
✓ *Saxifraga*
Luzula,
✓ *Prunella* sp.
✓ *Lycopus americanus* 6,
✓ *Carex lasiocarpa* 10, 15,
✓ *Carex stricta* 11, 12, 18,
✓ *Trillium* sp.
✓ *Osmorhiza* 13,
✓ *Aster multiflorus* 14,
✓ *Lupinus latifolius*
✓ *Staphylea trifolia*
✓ *Staphylea trifolia*

✓ *Carex humilis*