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CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 71

Redox.

Conduc.

Cat.Cap.

Location 42 N 6 E 10

pH

02

36" Bore

% Cover 50

Basal Area *Albies*

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

Distances

5	4	4
200	4	4
100	155	7 7
180		
7 8		6
5 6.5		
5		6 4
4 8		
5.5	4	4.5
4.5	5.5	4.5
7 8		6 5
5		
6	5	7 4
4.5		
4	65	6 6
6.5		
4 5		6 6
5.5		
8 6	4 4 7	
4 4 4		
5 4		
6 7		6.5
4.5		7
4	105	8 5
75		
8 6.5		4
7 8		
4		5 7.5
8		4
4	5	4 4
65		
6 4	7 4 4	
8 4		4 4
45		7 5
		4 4.5
4 4	5 5	
	4	

16.5	2.5	17.0
7.0	4.5	11.75
11.0	13.25	33.5
2.5	11.5	15.5
20.0	8.0	9.75
9.25	9.75	16.25
10.75	22.5	21.0
8.5	2.5	4.0
22.5	7.0	8.5
9.25	16.0	12.75
12.5	8.75	8.0
11.5	24.5	12.5
12.5	18.5	23.0
7.0	8.25	5.0
9.25	7.5	10.5
15.0	9.5	17.0
8.0	11.75	1.0
27.5	12.25	13.0
12.5	7.5	12.5
9.0	8.5	7.0

TOTALS

Sketch Map:

Maple Lake
road

K

Station No. 71

[illegible]

Thuya

4	###	16.12	192
5	###	3.16	48
6	###	8.20	160
7	###	2.24	48
8	###	4.28	112
9	###	3.34	102
10	###	4.38	152
11	###	8.50	400
			1214
			59
			2254

200

100

180

155

65

75

65

105

95

1040

1214

2254

$$\begin{array}{r} 16 \\ 12 \\ \hline 32 \\ 16 \\ \hline 192 \end{array}$$

Abies

4	###	16.12	192
5	###	3.16	48
6	###	6.20	120
7	###	1.24	24
8	###	7.28	196
9	###	1.34	34
10	###	7.38	266
11	###	1.44	44
12	###	1.50	50
			974
			43

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>		✓																	✓	✓		2 1
<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 1
<i>Arethusa bulbosa</i>																						
<i>Arisaema atrorubens</i>																						
<i>Asclepias incarnata</i>																						
<i>Asclepias syriaca</i>																						
<i>Asparagus officinalis</i>																						
<i>Aster junciformis</i>																						
<i>Aster lateriflorus</i>																						
<i>Aster macrophyllus</i>		✓	✓	✓	✓		✓			✓				✓					✓			7 3
<i>Aster novae-angliae</i>																						
<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>																						
<i>Bidens coronata</i>																						
<i>Boehmeria cylindrica</i>																						
<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>		✓														✓	✓					2 1
<i>Campanula aparinoides</i>																						
<i>Carex aquatilis</i>																						7
<i>Carex arcta</i>																						
<i>Carex bebbii</i>																						
<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>																						

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	✓	✓	✓		✓		✓						✓	✓	✓	✓	✓		✓	✓		11
Carex leptonervia																						
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	✓				✓	✓	✓	✓	✓	✓								✓		✓		7
Carex tuckermanni																						
Chamaedaphne calyculata																						
Chelone glabra																						
Cicuta bulbifera																						
Cicuta mukulata																						
Cinna latifolia																						
Circaea alpine	✓				✓							✓					✓					3 1
Cirsium muticum																						
Clintonia borealis	✓									✓		✓										2 1
Coptis groenlandica	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	15 7
Corallorrhiza trifida																						
Cornus alternifolia																						
Cornus canadensis	✓		✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓		✓		14 7
Cornus obliqua																						
Cornus racemosa																						
Cornus stolonifera	✓		✓											✓		✓	✓		✓			5 2
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. 5071

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5071

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Oria sp</i>	✓																						
<i>Hystrix patula</i>																							
<i>Ilex verticillata</i>	✓															✓						1	1
<i>Impatiens capensis</i>	✓															✓						1	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>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	18	9
<i>Liparis loeselii</i>																							
<i>Listera cordata</i>																							
<i>Lobelia siphilitica</i>																							
<i>Lonicera canadensis</i>	✓				✓	✓	✓				✓							✓		✓		6	3
<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>	✓		✓	✓												✓				✓		4	2
<i>Lysimachia ciliata</i>																							
<i>Lysimachia hybrida</i>																							
<i>Lysimachia quadriflora</i>																							
<i>Lysimachia terrestris</i>																							
<i>Lysimachia thyrsiflora</i>																							
<i>Maianthemum canadense</i>	✓		✓	✓				✓			✓						✓			✓		6	3
<i>Malaxis unifolia</i>																							
<i>Melampyrum lineare</i>																							
<i>Menyanthes trifoliata</i>																							
<i>Mimulus ringens</i>																							
<i>Mitchella repens</i>	✓																						
<i>Mitella diphylla</i>																							
<i>Mitella nuda</i>	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	18	9
<i>Moneses uniflora</i>	✓																					2	1
<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>Nemopanthus mucronata</i>																							
<i>Onoclea sensibilis</i>																							
<i>Osmunda cinnamomea</i>	✓																✓					1	1

TABULATION FORM

CONIFER SWAMP

Stand No. 5071

[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>Rubus pubescens</i>	✓	✓	✓		✓		✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	16	8
<i>Rumex crispus</i>																								
<i>Rumex verticillatus</i>																								
<i>Sagittaria latifolia</i>																								
<i>Salix candida</i>																								
<i>Salix pedicellaris</i>																								
<i>Salix sp.</i>																								
<i>Sambucus canadensis</i>																								
<i>Sarracenia purpurea</i>																								
<i>Saxifraga pennsylvanica</i>	✓																							
<i>Scheuchzeria palustris</i> v																								
<i>Scirpus acutus</i>																								
<i>Scirpus cyperinus</i>																								
<i>Scirpus hudsonianus</i>																								
<i>Scirpus pedicellatus</i>																								
<i>Scirpus rubrotinctus</i>																								
<i>Scirpus validus</i>																								
<i>Scutellaria epilobifolia</i>	✓																							
<i>Scutellaria lateriflora</i>																								
<i>Selaginella selaginoides</i>																								
<i>Senecio aureus</i>																								
<i>Sium suave</i>																								
<i>Smilacina stellata</i>																								
<i>Smilacina trifolia</i>																								
<i>Smilax herbacea</i>																								
<i>Smilax lasioneura</i>																								
<i>Solanum dulcamara</i>																								
<i>Solidago canadensis</i>																								
<i>Solidago gigantea</i>																								
<i>Solidago graminifolia</i>																								
<i>Solidago patula</i>																								
<i>Solidago purshii</i>																								
<i>Sphenopholis intermedia</i>																								
<i>Spiraea alba</i>																								
<i>Spiraea tomentosa</i>																								
<i>Stachys palustris</i> var. h																								
<i>Stachys tenuifolia</i>																								
<i>Stellaria longifolia</i>																								
<i>Streptopus roseus</i>																								
<i>Symplocarpus foetidus</i>																								
<i>Taxus canadensis</i>																								
<i>Thalictrum dasycarpum</i>																								
<i>Trientalis borealis</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			✓	✓	✓	✓	✓	15	7
<i>Triglochin maritima</i>																								
<i>Trillium flexipes</i>																								
<i>Typha latifolia</i>																								
<i>Urtica dioica</i>																								
<i>Vaccinium angustifolium</i>	✓																							
<i>Vaccinium macrocarpon</i>																								
<i>Vaccinium myrtilloides</i>																								
<i>Vaccinium oxycoccos</i>																								

TABULATION FORM

CONIFER SWAMP

Stand No. 5071

[illegible]

~~244~~
2124
~~2124~~

PRESENCE LIST

CONIFER BOG

Stand No. 71

- ✓ *Abies balsamea* 2,3,4,5,7,8,9,10,12,14
 ✓ *Acer rubrum* 11, 17, 18, 19
 ✓ *Acer spicatum* 14
Betula lutea 5,7,8,11,17
Betula papyrifera 4
Carya cordiformis
 ✓ *Fraxinus nigra* 1,5,8,9,10,11,12,14

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

- Prunus serotina*
Quercus bicolor
Quercus rubra
 ✓ *Sorbus americana* 7
 ✓ *Thuja occidentalis* 7,8,9,12,14,17,18
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

- 6.7 10 ✓ *Alnus incana*
 ✓ *Alnus rugosa* 18,19
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
 1.1 15 ✓ *Aralia nudicaulis* 4,14,17
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
 6.7 10 ✓ *Calopogon pulchellus*
Caltha palustris 15,16
Campanula aparinoides
 1.5 20 ✓ *Chamaedaphne calyculata*
Chiogenes hispidula 3,4,5,17
Cicuta bulbifera
Cicuta maculata
 1.1 15 ✓ *Circaea alpina* 4,11,16
Cirsium muticum
 7 10 ✓ *Clintonia borealis* 9,11
 5.6 75 ✓ *Coptis trifolia* 1,2,3,4,5,6,7,8,9,10,12,17
Corallorrhiza trifida 18,19,20
 5.2 70 ✓ *Cornus canadensis* 2,3,5,6,7,8,9,10,12
Cornus obliqua 13,14,15,17,19
 1.9 25 ✓ *Cornus stolonifera* 2,13,15,16,18
Cypripedium acaule
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
 4.4 65 ✓ *Drosera rotundifolia*
 ✓ *Dryopteris tinctoria* 1,2,3,4,6,7,9,10,11,16,18,19,20

- 7 10 ✓ *Dryopteris phegopteris* 12,16
 1.9 25 ✓ *Dryopteris spinulosa* 1,2,9,10,14
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
 6.4 5 ✓ *Habenaria obtusata* 3
Habenaria psycodes
Halenia deflexa
Helenium autumnale
 ✓ *Hypericum virginicum*
 ✓ *Ilex verticillata* 15
 ✓ *Impatiens biflora* 15
 ✓ *Iris versicolor* 40
Iris virginica
Juncus tenuis
Kalmia polifolia
 ✓ *Ledum groenlandicum*
 6.7 90 ✓ *Leersia oryzoides*
 ✓ *Linnaea borealis* 1,2,3,4,5,6,7,8,9,10,11,14,15,16,17,18,19,20
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

- Lonicera caerulea*
 1.5 20 ✓ *Lonicera oblongifolia*
 2.2 30 ✓ *Lycopus uniflorus* 2,3,16,20
 ✓ *Lysimachia terrestris*
 ✓ *Maianthemum canadense* 2,3,7,11,17,20
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
 6.7 90 ✓ *Mitchella repens*
 10 1 ✓ *Mitella nuda* 1,2,3,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
 ✓ *Moneses uniflora* 14,18
 ✓ *Muhlenbergia mexicana*
Muhlenbergia racemosa
Myrica gale
Nemopanthus mucronata
Onoclea sensibilis
 4.5 ✓ *Osmunda cinnamomea* 17
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
 1.9 25 ✓ *Pyrola rotundifolia*
 ✓ *Pyrola secunda* 1,3,10,12,15
Ranunculus abortivus
 ✓ *Rhamnus alnifolia*
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
 7.0 ✓ *Ribes triste* 16,19
Rorippa palustris
Rosa caroliniana
 6.7 90 ✓ *Rubus idaeus*
 ✓ *Rubus triflorus* 1,2,4,6,8,10,11,12,13,14,15,16,17,18,19,20
Rhynchospora alba
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
 5.675 ✓ *Trientalis borealis* 1, 2, 3, 4, 5, 6, 7, 8, 10, 13,
Triglochin maritima 14, 17, 18, 19, 20

Typha latifolia
 ✓ *Vaccinium angustifolium*
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
 ✓ *Viola pallens* 1, 2, 3, 4, 5, 6, 7, 8, 9, 11,
Vitis riparia 12, 13, 14, 16, 18,
 19, 20

Additional species:

2.230 ✓ *Lonicera* 4, 5, 6, 11, 18, 20
 2.635 ✓ *Carex trisp* 4, 5, 6, 7, 8, 17, 20
 4.155 ✓ *Oxalis mon* 3, 7, 8, 9, 10, 11, 12, 13, 14, 18, 20
 3.415 ✓ *Galium triflor* 1, 4, 10, 11, 13, 14, 15, 16, 19.
 2.635 ✓ *Aster mac* 1, 2, 3, 4, 9, 13, 18,
 ✓ *Carex 'gyp' intum*
 2.230 ✓ *Carex star* 2, 8, 9, 10, 16, 17,
 3.240 ✓ *C. purple base* 3, 4, 9, 10, 12, 13, 14, 15,
 4.155 ✓ *Carex - base* 1, 2, 4, 6, 12, 13, 14, 15, 16, 18, 19,
 ✓ *Carex dup*
 7.10 ✓ *Oryzopsis* 5, 19,
 ✓ *Equis flav*
 1.115 grass 13, 16, 20
 7.5100 sph

7 = 1335