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CONIFER SWAMP

Ecology Form # 71

Stand # 61

Field Data Sheet - Trees

Redox

Conduc.

Cat.Cap.

Location 42N 8E 32

pH

02

36" Bore

% Cover 50

Basal Area

Larix Picea Thuja Pop.tr. Betula pap. acer rub. Bet. luv. alies Distances

		115 85		4	40	215	5	4.5	23.0	10.0
		20 2.5			4	90	4	7.5	7.5	18.0
		8 8	8			4	4	37.0	8.5	11.5
		8 8	6				6 6.5	4.0	15.5	10.5
		8 8			4	150	4	19.5	7.5	15.0
		150 8	45 7	4				26.0	18.5	7.5
		8 8	8			4	4	9.75	3.0	3.75
		150 115	8			110	4.5 4	16.0	20.5	8.5
		115 150	110				4.5 5	14.0	8.25	7.75
		110 110			4	4	4	12.5	10.5	13.75
		8			4	110	5 5.5	27.0	34.0	16.0
		150					5.5 6	9.0	11.75	12.0
		8				4	4	25.0	14.5	10.75
		8				8	4 4.5	10.0	8.0	9.75
		7.5		4		4	4	11.75	7.0	2.0
		81 8	8			150		7.5	1.5	36.0
		85 8	80				4 6	14.75	7.5	8.5
		8 7.5	105			4	4	10.25	13.25	29.0
		110					4 4	19.0	8.75	31.0
		25 7					5.5 4	21.5	8.0	13.25
TOTALS										

Sketch Map:

logging road

ca 40 paces

swamp

big cedars

Plant Ecology Laboratory
Data Form 68

Station No. 61 hmd 83

Tree	No.		Size Cl.sq.in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	80	320	321+	Dom.	Sap.	Seed	Tr.	Tr.	Index		
Abies balsamea	16	34	34			566			28.1	34 11.4	73.5	296	330.7
Acer rubrum	5	6	6			140			8.8	6 2.8	17.6	144	105.6
Acer spicatum													
Betula lutea	14	15	8	7		1069			24.6	15 21.6	61.2	427	459.0
B. papyrifera	3	3	3			36			5.3	3 0.7	9.0	54	45.0
Carya cord.													
C. ovata													
Fraxinus nigra													
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.	19	42	27	15		3147			33.3	42 63.5	138.8	556	555.2
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

13-8

229

1495.5

Thuya

Ba pap

3.12

3 36

Acornub

5.12 = 60

80

6 140

Ber lud

9.12 = 84

1.50 = 50

275

90

150

110

110

110

150

15 1069

Alicis4 ~~|||||~~

|||

5 |||

|||

6 ||||

1

2

20.12 240

3.16 48

3.20 60

3.24 72

4.28 112

1.34 84

34 566

1.28 = 28

2.38 = 96

3.44 = 132

8 ~~|||||~~ = 850

17.50 115

85

90 -

150

155

150

115

115

150

110

110

110

150

81 -

85

80 -

105

110

95 -

42 3147

42

3

6

34

85

15

100

CONIFER SWAMP

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>	✓	✓					✓			✓												3	
<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>	✓	✓									✓		✓									2	
<i>Arethusa bulbosa</i>																							
<i>Arisaema atrorubens</i>	✓		✓						✓													2	
<i>Asclepias incarnata</i>																							
<i>Asclepias syriaca</i>																							
<i>Asparagus officinalis</i>																							
<i>Aster junciformis</i>																							
<i>Aster lateriflorus</i>																							
<i>Aster macrophyllus</i>																							
<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 canadensi</i>																							
<i>Calla palustris</i>																							
<i>Calopogon pulchellus</i>																							
<i>Caltha palustris</i>																							
<i>Campanula aparinoides</i>																							
<i>Carex aquatilis</i>																							
<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>																							

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5061

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Dryopteris cristata	✓	✓	✓																			2	
Dryopteris disjuncta	✓		✓			✓	✓															3	
Dryopteris phegopteris																							
Dryopteris spinulosa	✓	✓		✓		✓			✓	✓	✓	✓		✓	✓		✓	✓			✓	12	
Dryopteris thelypteris	✓							✓				✓										2	
Dulichium arundinaceum																							
Echinocystis lobata																							
Eleocharis smallii																							
Epigaea repens																							
Epilobium angustifolium																							
Epilobium glandulosum va																							
Epilobium strictum																							
Equisetum fluviatile																							
Equisetum scirpoides																							
Erigeron philadelphicus																							
Eriophorum angustifolium																							
Eriophorum spissum																							
Eriophorum tenellum																							
Eriophorum virginicum																							
Eriophorum viridi-carina																							
Eupatorium maculatum																							
Eupatorium perfoliatum																							
Galium aparine																							
Galium boreale																							
Galium concinnum																							
Galium labradoricum																							
Galium trifidum																							
Galium triflorum	✓		✓																			1	
Galeopsis tetrahit																							
Gaultheria hispidula	✓				/		✓	✓														2	
Gaultheria procumbens																							
Gaylussacia baccata																							
Gentiana linearis																							
Geranium maculatum																							
Geum laciniatum																							
Geum rivale																							
Glyceria canadensis																							
Glyceria grandis																							
Glyceria striata																							
Goodyera repens																							
Habenaria clavellata																							
Habenaria dilatata																							
Habenaria hyperborea																							
Habenaria lacera																							
Habenaria leucophaea																							
Habenaria media																							
Habenaria obtusata																							
Habenaria psycodes																							
Halenia deflexa																							
Hydrocotyle americana																							
Hypericum virginicum																							

TABULATION FORM

CONIFER SWAMP

Stand No. 5061

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>	✓									✓													1
<i>Leersia oryzoides</i>																							
<i>Linnaea borealis</i>	✓	✓	✓			✓			✓	✓						✓	✓	✓	✓	✓			10
<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>	✓															✓							1
<i>Lycopodium obscurum</i>																							
<i>Lycopus uniflorus</i>																							
<i>Lysimachia ciliata</i>																							
<i>Lysimachia hybrida</i>																							
<i>Lysimachia quadriflora</i>																							
<i>Lysimachia terrestris</i>																							
<i>Lysimachia thyrsiflora</i>																							
<i>Maianthemum canadense</i>	✓	✓		✓			✓	✓	✓							✓	✓	✓			✓		9
<i>Malaxis unifolia</i>																							
<i>Melampyrum lineare</i>																							
<i>Menvanthes 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>																							
<i>Nemopanthus mucronata</i>	✓																		✓				1
<i>Onoclea sensibilis</i>	✓																						
<i>Osmunda cinnamomea</i>	✓								✓										✓				2

TABULATION FORM

CONIFER SWAMP

Stand No. 5061

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5061

[illegible]

Ond is
SE
6-24

PRESENCE LIST

CONIFER BOG

Stand No. 61

- ✓ *Abies balsamea* 2, 9, 15, 16, 17, 19
 ✓ *Acer rubrum* 8, 14, 15, 19, 20
 ✓ *Acer spicatum* 2, 10, 12,
 ✓ *Betula lutea*
 ✓ *Betula papyrifera* 3,
 ✓ *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 6, 9, 14, 17,
 ✓ *Thuja occidentalis* 16
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

- 1.9 15 ✓ *Alnus incana*
 ✓ *Alnus rugosa* 1, 6, 9,
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
 1.2 10 ✓ *Aralia nudicaulis* 10, 12,
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
 1.2 10 ✓ *Arisaema atrorubens* 2, 8,
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
 1.2 10 ✓ *Chiogenes hispidula* 6, 7,
Cicuta bulbifera
Cicuta maculata
 ✓ *Circaea alpina*
Cirsium muticum
 4.7 40 ✓ *Clintonia borealis* 5, 8, 9, 12, 13, 14, 18,
 9.4 80 ✓ *Coptis trifolia* 3, 4, 5, 6, 8, 9, 10, 12, 13,
 ✓ *Corallorrhiza trifida* 14, 15, 16, 17, 18, 19,
 8.2 70 ✓ *Cornus canadensis* 1, 2, 3, 8, 9, 10, 12, 13, 14,
Cornus obliqua 15, 16, 17, 19, 20
Cornus stolonifera
 6 5 ✓ *Cypripedium acaule* 15,
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
 1.8 15 ✓ *Dryopteris linneana* dry 2, 5, 6,

- 7.0 60 ✓ *Dryopteris phegopteris* 16, 17, 20
 ✓ *Dryopteris spinulosa* 1, 3, 5, 8, 9, 10, 11, 13, 14,
 1.2 10 ✓ *Dryopteris thelypteris* 7, 11,
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
 6 5 ✓ *Ledum groenlandicum* 9,
Leersia oryzoides
 5.9 50 ✓ *Linnaea borealis* 12, 5, 8, 9, 15, 16, 17, 18, 19,
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica

- Lonicera caerulea*
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
 5.3 45 ✓ *Maianthemum canadense* 1, 3, 6, 7, 8, 15, 16, 17,
Malaxis unifolia 20
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
 ✓ *Mitella nuda*
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
 6 5 ✓ *Nemopanthus mucronata* 18,
 ✓ *Onoclea sensibilis*
 1.2 10 ✓ *Osmunda cinnamomea* 8, 18,
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
 6 5 ✓ *Ribes hirtellum* 1,
Ribes lacustre
 ✓ *Ribes triste*
Rorippa palustris
Rosa caroliniana
Rubus idaeus
 5.9 50 ✓ *Rubus triflorus* 1, 2, 3, 4, 5, 7, 8, 9, 17, 20
Rhynchospora alba
Salix candida
Sarracenia purpurea

Saxifraga pennsylvanica

Scirpus cyperinus

Scirpus acutus

Scirpus hudsonianus

Scirpus rubrotinctus

Scirpus validus

1.6 5 ✓ Scutellaria epilobifolia 2,

Scutellaria lateriflora

Selaginella selaginoides

Sium suave

Smilacina trifolia

Smilax herbacea

1.8 15 ✓ Solidago serotina 7, 8, 10,

Spiraea alba

Spiraea tomentosa

Steironema lanceolatum

Symplocarpus foetidus

Thalictrum dasycarpum

7.6 65 ✓ Trientalis borealis 1, 2, 3, 4, 5, 6, 7, 10, 13, 15,

Triglochin maritima 17, 19, 20

Typha latifolia

1.6 5 ✓ Vaccinium angustifolium 20

Vaccinium macrocarpon

Vaccinium oxycoccus

Vaccinium pennsylvanicum

Viburnum opulus

Viola canadensis

7.0 60 ✓ Viola pallens 1, 2, 4, 5, 6, 7, 8, 10, 12,

Vitis riparia 14, 17, 20

Additional species:

1.6 5 ✓ Lye lucis

9.4 80 ✓ Carex trisperma 1, 2, 3, 4, 5, 6, 9, 11, 13, 14, 15, 16, 17, 18, 19, 20

4.7 40 ✓ Oxalis montana 12, 13, 15, 16, 17, 18, 19, 20
✓ Anemone can1.8 15 ✓ ~~Carex star 16, 19, 20~~~~Carex dep~~

1.6 5 ✓ Galium triflorum 2,

2.9 25 ✓ Carex diaphana 7, 9, 12, 14, 20

1.2 10 ✓ Lycop cris 1, 2,

1.6 5 ✓ grass 7,

1.6 5 ✓ Corallorhiza 3,

1.2 10 ✓ Carex dep 4, 7,

1.2 10 ✓ Carex intum 13, 14,

7 855