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CONIFER SWAMP

Ecology Form # 71

Stand # 78

Field Data Sheet - Trees

Redox

Conduc. 30.75, 80, 60 Cat.Cap.

Location 42N9E14

pH

02

36" Bore

% Cover 307

Basal Area

Larix Picea Thuja Pop. tr. Betula pap.

Distances

Pinus strobus

Pinus resinosa

Juniperus barbatissima

4	4	5.5	4.5				20.5
8	60	4	6.5				12.5
100	5	4	6.5				8.5
4.5	5.5	4	5				23
55	5	4.5	4				17
55		5	4				33
6		4	4				13.75
7		5.5	7				13.25
6		5.5	4				14.75
80		4	5				6.75
8		6	5				3.25
8		4.5	4.5				5.75
7.5		5.5	4.5				4.5
80		5	7				5.75
7		5	4				5.5
6		4	4				8.25
140		6.5	5.5				4.25
		6	4				14.5
		4.5	5				8.5
		4.5	4.5				6
		5	50				4.25
		4.5	6				10.75
		4	5				20.25
		4.5	6				7.25
		4	5				4.25
		60	6				12.75
		6	7				5.5
		80	4				24.5
		4	4				7.5
		4					10.5
							12.25

TOTALS

Sketch Map:

10.75
20.25
7.25
4.25
12.75
5.5
24.5
7.5
10.5
12.25

Tree	No. Pts.	No. Tr.	Size Cl. sq. in.			No. Dom.	F% Sap.	F% Seed	D% Tr.	Dom% Tr.	DFD Index	
			12-80	81-320	321-400							
Abies balsamea												
Acer rubrum												
Acer spicatum												
Betula lutea												
B. papyrifera												
Carya cord.												
C. ovata												
Fraxinus nigra												
Juglans cinerea												
Larix laricina		5	5			136		68	65	5.6	12.6	17.6
Picea glauca												
P. mariana		32	32			704		39	32	29.2	109.2	108.8
Pinus resinosa		2	2			90		22	22	3.7	2.7	26.9
P. strobus		17	10	1		892		20	16	37.0	138	308
P. bank.												
Pop. balsamifera		1	1			70		1	1	2.9	4.9	
P. grand.												
P. trem.												
Prunus serotina												
Pyrus americana												
Quercus bicolor												
Q. rubra												
Thuja occ.		24	23	1		518		30	23	21.5	81.5	32.6.0
Tilia americana												
Tsuga can.												
Ulmus americana												
U. rubra												
Total tran.		81				2410						
Av. Tr. Dis.												
Av. BA												
No. Tr./Acre												

892.9

Petr

28

4	I	1.12	12
5	I	1.16	16
6	III	3.28	84
7	II	2.38	76
8	I	1.44	44
8	III	3.50	150
		1.100	100
		2.55	110
		2.80	160
		1.140	140
17			892

Shuya

4	IIII	8.12	96
	III	3.16	48
5	IIII	5.20	100
	I	1.24	24
6	II	2.28	56
	II	2.34	68
7	II	2.38	76
8			50
		1.50	
		24	518

Larix

4	I	1.12	12
5	II	2.20	40
	I	1.24	24
		1.60	60
5			136

P. rez

1.70
1.20
90

P. bank
1.20

~~44~~
~~24~~
~~69~~

P. cca

4	IIII	10.12	120
5	IIII	2.16	112
	IIII	4.20	80
6	III	4.24	96
7	I	3.28	84
		1.34	34
8		1.38	38
		1.60	60
		1.80	80
32			704

27
17
5
31
80



TABULATION FORM

CONIFER SWAMP

Stand No. 5078

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>	✓											✓	✓	✓	✓							✓
<i>Amphicarpa bracteata</i>																						
<i>Anaphalis margaritacea</i>																						
<i>Andromeda glaucophylla</i>	✓											✓			✓				✓			3
<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>																						
<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 canadensis</i>	✓																					
<i>Calla palustris</i>	✓														✓							1
<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>																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5078

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
<i>Carex diandra</i>																							
<i>Carex disperma</i>																							
<i>Carex flava</i>																							
<i>Carex granularis</i> var. ha																							
<i>Carex hystrix</i>																							
<i>Carex interior</i>																							
<i>Carex intumescens</i>																							
<i>Carex lacustris</i>																							
<i>Carex lasiocarpa</i>																							
<i>Carex leptalea</i>																							
<i>Carex leptoneura</i>																							
<i>Carex limosa</i>																							
<i>Carex oligosperma</i>																							
<i>Carex pauciflora</i>																							
<i>Carex paupercula</i>												✓				✓			✓			3	
<i>Carex pedunculata</i>																							
<i>Carex projecta</i>																							
<i>Carex pseudo-cyperus</i>																							
<i>Carex retrorsa</i>																							
<i>Carex scoparia</i>																							
<i>Carex sterilis</i>																							
<i>Carex stipata</i>																							
<i>Carex stricta</i>																							
<i>Carex tenuiflora</i>																							
<i>Carex trisperma</i>		✓	✓						✓		✓								✓	✓		6	
<i>Carex tuckermani</i>																							
<i>Chamaedaphne calyculata</i>	✓	✓		✓								✓	✓	✓					✓			6	
<i>Chelone glabra</i>																							
<i>Cicuta bulbifera</i>																							
<i>Cicuta muculata</i>																							
<i>Cinna latifolia</i>																							
<i>Circaea alpina</i>																							
<i>Cirsium muticum</i>																							
<i>Clintonia borealis</i>																							
<i>Coptis groenlandica</i>																							
<i>Corallorrhiza trifida</i>																							
<i>Cornus alternifolia</i>																							
<i>Cornus canadensis</i>	✓															✓						1	
<i>Cornus obliqua</i>																							
<i>Cornus racemosa</i>																							
<i>Cornus stolonifera</i>																							
<i>Cypripedium acaule</i>	✓						✓												✓			2	
<i>Cypripedium arietinum</i>																							
<i>Cypripedium calceolus</i>																							
<i>Cypripedium c. var. pub</i>																							
<i>Cypripedium reginae</i>																							
<i>Cystopteris fragilis</i>																							
<i>Diervilla lonicera</i>																							
<i>Drosera intermedia</i>																							
<i>Drosera linearis</i>																							
<i>Drosera rotundifolia</i>	✓																		✓			1	

[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>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>	✓			✓			✓		✓	✓		✓	✓				✓	✓	✓			9
<i>Lactuca biennis</i>																						
<i>Lathyrus palustris</i>																						
<i>Ledum groenlandicum</i>	✓							✓								✓						2
<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>																						
<i>Lysimachia ciliata</i>																						
<i>Lysimachia hybrida</i>																						
<i>Lysimachia quadriflora</i>																						
<i>Lysimachia terrestris</i>	✓																					1
<i>Lysimachia thyrsiflora</i>																						
<i>Malanthemum canadense</i>	✓																					3
<i>Malaxis unifolia</i>	✓																					1
<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>																						
<i>Nemopanthus mucronata</i>	✓																					1
<i>Onoclea sensibilis</i>																						
<i>Osmunda cinnamomea</i>																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5078

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5078

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>																							
<i>Rumex crispus</i>																							
<i>Rumex verticillatus</i>																							
<i>Sagittaria latifolia</i>																							
<i>Salix candida</i>																							
<i>Salix pedicellaris</i>																							
<i>Salix</i> sp.																							
<i>Sambucus canadensis</i>																							
<i>Sarracenia purpurea</i>	✓								✓														1
<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>	✓															✓							1
<i>Triglochin maritima</i>	✓																						
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>	✓							✓		✓			✓	✓	✓		✓	✓	✓		✓		9
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>	✓			✓		✓	✓				✓			✓			✓				✓		8
<i>Vaccinium oxycoccos</i>	✓			✓			✓		✓				✓	✓						✓			6

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 78

Abies balsamea
 Acer rubrum 3, 4, 10, 14, 15, 18, 19, 20
 Acer spicatum
 Betula lutea
 Betula papyrifera 15,
 Carya cordiformis
 Fraxinus nigra

Juglans cinerea
 Larix laricina
 Picea glauca
 Picea mariana 1, 3, 7, 9, 10, 15, 17
 Pinus resinosa - 1 of 2 " "
 Pinus strobus - few S. - 1 of 1 " 16, 9,
 Populus tremuloides

Prunus serotina
 Quercus bicolor
 Quercus rubra seedlings, 3, 6, 9, 13
 Sorbus americana
 Thuja occidentalis
 Tsuga canadensis - several seedlings
 Ulmus americana
Betula lanuginosa

HERBS AND SHRUBS

Alnus incana
 Alnus rugosa 11, 12, 13, 14
 Andromeda glaucophylla 11, 14, 18
 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 14
 Calopogon pulchellus
 Caltha palustris
 Campanula aparinoides
 Chamaedaphne calyculata 13, 11, 12, 13, 18
 Chiogenes hispidula 3, 12,
 Cicuta bulbifera
 Cicuta maculata
 Circaea alpina
 Cirsium muticum
 Clintonia borealis
 Coptis trifolia
 Corallorrhiza trifida
 Cornus canadensis 15
 Cornus obliqua
 Cornus stolonifera
 Cypripedium acaule 6, 19
 Cypripedium arietinum
 Cypripedium parviflorum
 Cypripedium pubescens
 Cypripedium reginae
 Decodon verticillatus
 Diervilla lonicera
 Drosera intermedia
 Drosera longifolia
 Drosera rotundifolia 19
 Dryopteris linneana

Dryopteris phegopteris
 Dryopteris spinulosa 15
 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 8, 16, 17,
 Gaylussacia baccata
 Gentiana linearis
 Geum rivale
 Glyceria striata *Canadensis*
 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 3, 6, 8, 9, 11, 12, 16, 17, 18
 Ledum groenlandicum 7, 14
 Leersia oryzoides
 Linnaea borealis
 Liparis loeselii
 Listera cordata
 Lobelia kalmii
 Lobelia siphilitica

Lonicera caerulea
 Lonicera oblongifolia
 Lycopus uniflorus
 Lysimachia terrestris sp. 14
 Maianthemum canadense 15, 16, 20
 Malaxis unifolia 3
 Menyanthes trifoliata
 Mimulus ringens
 Mitchella repens
 Mitella nuda
 Moneses uniflora
 Muhlenbergia mexicana
 Muhlenbergia racemosa
 Myrica gale
 Nemopanthus mucronata 15
 Onoclea 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
 Rubus triflorus
 Rynchospora alba
 Salix candida
 Sarracenia purpurea 8

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 15
Triglochin maritima

(78)
Typha latifolia
Vaccinium angustifolium 7, 9, 12, 13
Vaccinium macrocarpon 14, 16, 17, 18, 20
Vaccinium oxycoccus 3, 6, 8, 12, 13, 19
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
Viola pallens
Vitis riparia

Additional species:

Plant of Haystack bog - low in phyl order Triglochin maritima

Carex pauciflora 11, 15, 19

Carex tripartita 1, 3, 8, 10, 19, 20

Vaccinium myrtillus 3, 5, 6, 10, 12, 14, 16, 20, 21

Eriophorum sp. 3, 14,

~~Oxalis~~, 3,

Sph. lacking in 4, 5, 15,

~~Carex~~ 14

Dryopteris ~~argentea~~ cristata