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CONIFER SWAMP

Ecology Form # 71 Stand # 77

Field Data Sheet - Trees

Redox Conduc. 35-35-40-45 Cat.Cap. Location 43N 4E 25

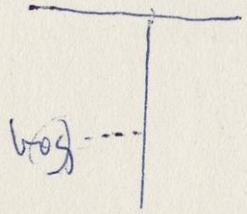
pH O2 36"Bore % Cover 50

Basal Area

Larix	Picea	Thuja	~~Pop.tr~~ Fraxinus	~~Betula pap.~~ Tsuga	Betula lut	Abies	Distances		
		65 5 55	8 6				13.5	11.5	6.0
		6.5 8	6		55 5		17.75	7.0	3.5
		26.5		4	150		7.5	4.75	9.5
		6.5 50			45 50	5.5	3.5	2.75	6.0
		4.5 35 6.5	4		45		3.25	15.0	4.0
		8	7 4.5		80 6		5.0	8.0	4.25
		5 8 8 5 5					4.0	25.0	6.5
		8 4.5		5	4.8 70		9.25	9.5	4.0
		6 7.5		4.5	6 6		3.5	8.75	1.5
		4 8 6		60	5		7.25	2.5	8.5
		45 8			8 90	5	16.5	5.25	15.0
		8 4.5 5.5				4 4	12.5	5.0	6.5
		5	75	6 4	5		4.0	6.0	8.25
		4 4 4.5	4			4	2.5	10.0	18.75
		4 50 95	6	4			6.5	7.25	3.0
		4 70 60	4 4				8.5	7.5	19.5
		95 4 5.5			6	4	5.25	4.75	15.5
		4 5 5 6.5 105					24.5	3.25	3.5
		5	5.5	6	140	4	7.5	12.75	7.25
		4	5 4 4	4.5			4.0	4.25	6.25

TOTALS

Sketch Map:



Plant Ecology Laboratory
Data Form 68

Station No. 77 Edwd 67

Tree	No. Pts.	No. Tr.	Size Cl. sq. in. 12-80	81-320	321+	Dom.	No. Sap.	Seed	F% Seed	F% Tr.	D% Tr.	Dom% Tr.	DFD Index		
Abies balsamea	6	7	7			104				10.7	7	3.0	20.7	84	93.15
Acer rubrum															
Acer spicatum															
Betula lutea	12	18	16	2		963				21.4	18	27.9	67.3	49	504.75
B. papyrifera															
Carya cord.															
C. ovata															
Fraxinus nigra	10	15	15			379				17.8	15	10.9	43.7	308	218.5
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	51	48	3		1805				35.7	51	52.2	138.9	556	555-6
Tilia americana															
Tsuga can.	8	9	9			204				14.3	9	5.9	29.2	145	248.2
Ulmus americana															
U. rubra															
Total tran.	56		Av. Tr. Dis.			3455		Av. BA		99.9	100	99.9	2958	1562	(1620.1)

No. Tr./Acre

Ilmya

	1.65	65
	1.55	55
	2.50 "	100
	1.35	35
	1.45	45
	2.90 "	190
4 ~~IIII~~ III	8.12	96
IIII	4.16	64
5 ~~IIII~~ IIII	9.20	180
II	2.24	48
6 III	3.28	84
IIII	4.34	136
7 I	1.38	38
8 ~~IIII~~ III	1.44	44
	8.50	400
	1.70	70
	~~1.60~~	60
	1.105	105
	51	1805

Haxmigia

IIII 4 ~~IIII~~ I	6.12	72
I 5 I	1.16	16
I I	1.20	20
II 6 III	1.24	24
7 I	3.28	84
	1.38	38
8 I	1.50	50
I	1.75	75
	15	379

Dougu

4 III	3.12	36
5 II I	2.16	32
	1.20	20
6 II	2.28	56
		60
7		204
	1.60	
	9	

Bet lict

4 I	1.16	16
5 III	3.20	60
6 IIII	4.28	112
7	1.50	50
8 I		55
		150
	1.55	90
	1.150	50
~~Ollus~~	2.45 "	80
	1.50	70
	1.80	90
	1.70	140
	1.90	~~1063~~
	1.140	
Ollus	18	963

4 ~~IIII~~	5.12	60
5 I	1.20	20
I	1.24	24
		104
	7	

5.5 I
4 I
8 I
6 I II
4 ~~IIII~~
~~45~~ I
7
75 I

51
15
9
18
7
100

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TABULATION FORM | CONIFER SWAMP | Stand No. 5077

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

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TABULATION FORM | CONIFER SWAMP | Stand No. 5077

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	✓	✓		✓				✓			✓			✓		✓		✓			✓	8	
Carex flava																							
Carex granularis var. ha																							
Carex hystricina																							
Carex interior																							
Carex intumescens																							
Carex lacustris																							
Carex lasiocarpa																							
Carex leptalea	✓		✓			✓	✓			✓								✓		✓		6	
Carex leptonervia																							
Carex limosa																							
Carex oligosperma																							
Carex pauciflora																							
Carex paupercula																							
Carex pedunculata																							
Carex projecta																							
Carex pseudo-cyperus																							
Carex retrorsa																							
Carex scoparia																							
Carex sterilis																							
Carex stipata																							
Carex stricta																							
Carex tenuiflora																							
Carex trisperma	✓		✓				✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓		13	
Carex tuckermani																							
Chamaedaphne calyculata																							
Chelone glabra																							
Cicuta bulbifera																							
Cicuta muculata																							
Cinna latifolia																							
Circaea alpine																							
Cirsium muticum																							
Clintonia borealis																							
Coptis groenlandica	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓				✓					✓	11	
Corallorrhiza trifida				✓	✓																	2	
Cornus alternifolia																							
Cornus canadensis	✓																						
Cornus obligua																							
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																							

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TABULATION FORM | CONIFER SWAMP | Stand No. 5077

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															✓							1	
Dryopteris disjuncta																							
Dryopteris phegopteris																							
Dryopteris spinulosa	✓		✓	✓					✓		✓	✓										5	
Dryopteris thelypteris																							
Dulichium arundinaceum																							
Echinocystis lobata																							
Eleocharis smallii																							
Epigaea repens																							
Epilobium angustifolium																				✓		1	
Epilobium glandulosum va																							
Epilobium strictum	✓												✓	✓								2	
Equisetum fluviatile																							
Equisetum scirpoides																							
Erigeron philadelphicum																							
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	✓										✓	✓		✓							✓	4	
Galeopsis tetrahit																							
Gaultheria hispidula	✓				✓			✓						✓	✓		✓					4	
Gaultheria procumbens	✓						✓															1	
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																							

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TABULATION FORM | CONIFER SWAMP | Stand No. 5077

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Hystrix patula																							
Ilex verticillata	✓																						
Impatiens capensis	✓														✓							1	
Iris versicolor																							
Iris virginica																							
Juncus canadensis																							
Juncus effusus																							
Juncus tenuis																							
Juniperus communis var.																							
Kalmia polifolia																							
Lactuca biennis																							
Lathyrus palustris																							
Ledum groenlandicum	✓								✓													1	
Leersia oryzoides																							
Linnaea borealis	✓							✓						✓	✓				✓		✓	5	
Liparis loeselii																							
Listera cordata																							
Lobelia siphilitica																							
Lonicera canadensis						✓				✓	✓										✓	4	
Lonicera dioica																							
Lonicera oblongifolia																							
Lonicera villosa																							
Luzula acuminata																							
Lycopodium annotinum																							
Lycopodium clavatum																							
Lycopolium lucidulum																							
Lycopodium obscurum																							
Lycopus uniflorus																			✓	✓		2	
Lysimachia ciliata																							
Lysimachia hybrida					✓																		
Lysimachia quadriflora																							
Lysimachia terrestris				✓																✓		2	
Lysimachia thyrsiflora																							
Maianthemum canadense	✓								✓	✓	✓							✓	✓		✓	6	
Malaxis unifolia																							
Melampyrum lineare																							
Menyanthes trifoliata									✓													1	
Mimulus ringens																							
Mitchella repens																							
Mitella diphylla																							
Mitella nuda	✓		✓										✓									2	
Moneses uniflora	✓																						
Monotropa hypopithys																							
Monotropa uniflora																							
Muhlenbergia mexicana																							
Muhlenbergia racemosa																							
Myrica gale																							
Nasturtium officinale																							
Nemopanthus mucronata	✓																						
Onoclea sensibilis	✓																						
Osmunda cinnamomea	✓																						

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TABULATION FORM | CONIFER SWAMP | Stand No. 5077

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Osmunda regalis	✓										✓							✓	✓			3	
Oxalis montana																							
Oxalis stricta																							
Panicum boreale																							
Panicum lanuginosum var.																							
Parietaria pensylvanicum																							
Parthenocissus inserta																							
Pedicularis lanceolatus																							
Penthorum sedoides																							
Phalaris arundinacea																							
Phleum pratense																							
Phrangmites communis																							
Physocarpus opulifolius																							
Pilea pumila																							
Poa palustris																							
Poa pratensis																							
Pogonia ophioglossoides																							
Polygala paucifolia																							
Polygonatum pubescens																							
Polygonum convolvulus																							
Polygonum amphibium var.																							
Polygonum sagittatum	✓											✓										1	
Potentilla fruticosa																							
Potentilla palustris																							
Prenanthes alba																							
Prunella vulgaris																							
Prunus pensylvanicum																							
Prunus virginiana																							
Pteridium aquilinum																							
Pycnanthemum virginianum																							
Pyrola asarifolia																							
Pyrola elliptica																							
Pyrola rotundifolia	✓																						
Pyrola secunda	✓													✓								1	
Pyrus floribunda																							
Pyrus melanocarpa																							
Ranunculus abortivus																							
Ranunculus hispidus																							
Rhamnus alnifolia																							
Rhus radicans																							
Rhus vernix																							
Rhynchospora alba																							
Ribes americanum																							
Ribes cynosbati																							
Ribes hirtellum																							
Ribes lacustre																							
Ribes triste																							
Rosa carolina																							
Rubus allegheniensis																							
Rubus idaeus			✓																			1	
Rubus occidentalis																							

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TABULATION FORM — CONIFER SWAMP — Stand No. 5077

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Rubus pubescens	✓					✓			✓	✓		✓						✓	✓	✓		7	
Rumex crispus																							
Rumex verticillatus																							
Sagittaria latifolia																							
Salix candida																							
Salix pedicellaris																							
Salix sp.	✓																						
Sambucus canadensis																							
Sarracenia purpurea																							
Saxifraga pennsylvanica																							
Scheuchzeria palustris v																							
Scirpus acutus																							
Scirpus cyperinus																							
Scirpus hudsonianus																							
Scirpus pedicellatus																							
Scirpus rubrotinctus																							
Scirpus validus																							
Scutellaria epilobifolia	✓		✓		✓										✓	✓	✓					5	
Scutellaria lateriflora																							
Selaginella selaginoides																							
Senecio aureus																							
Sium suave																							
Smilacina stelleta																							
Smilacina trifolia																			✓			1	
Smilax herbacea																							
Smilax lasioneura																							
Solanum dulcamara																							
Solidago canadensis																							
Solidago gigantea																							
Solidago graminifolia																							
Solidago patula																							
Solidago purshii																							
Sphenopholis intermedia																							
Spiraea alba																							
Spiraea tomentosa																							
Stachys palustrus var. h																							
Stachys tenuifolia																							
Stellaria longifolia																							
Streptopus roseus																							
Symplocarpus foetidus																							
Taxus canadensis																							
Thalictrum dasycarpum																							
Trientalis borealis	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓			✓	✓				✓	13	
Triglochin maritima																							
Trillium flexipes																							
Typha latifolia																							
Urtica dioica																							
Vaccinium angustifolium																							
Vaccinium macrocarpon																							
Vaccinium myrtilloides																							
Vaccinium oxycoccos																							

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TABULATION FORM | CONIFER SWAMP | Stand No. 5077

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Viburnum acerifolium																							
Viburnum lentago																							
Viburnum trilobum																							
Viola canadensis																							
Viola cucullata																							
Viola pallens	✓	✓	✓	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓		✓			✓	14	
Viola renifolia																							
Vitis riparia																							
Xanthoxylum americanum																							

7-14-54 77

PRESENCE LIST — CONIFER BOG — Stand No.

✓ Abies balsamea 1,3,5,20
✓ Acer rubrum 4,13,19,
Acer spicatum 20
✓ Betula lutea 2,4,8,11,14,15,16,
Betula papyrifera
Carya cordiformis
✓ Fraxinus nigra 9,10,12,13,20
Juglans cinerea
Larix laricina
Picea glauca
Picea mariana
Pinus resinosa
Pinus strobus
Populus tremuloides
Prunus serotina
Quercus bicolor
Quercus rubra
Sorbus americana
✓ Thuja occidentalis 1,3,5,6,9,11,12,16,19,
Tsuga canadensis
Ulmus americana

HERBS AND SHRUBS

Alnus incana
✓ Alnus rugosa 1,3,4,6,9,12,13,14,17,
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
Aralia nudicaulis
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
Arisaema atrorubens 1,6,
Asclepias incarnata
Aster lateriflorus
✓ Aster novae-angliae 2,4,11,17,
Aster umbellatus
Betula pumila
Betula sandbergii
Bidens coronata
Boehmeria cylindrica
Botrychium virginianum
Bromus ciliatus
✓ Calamagrostis canadensis 12,4,6,7,8
✓ Calla palustris 11,14,16,17,18,
Calopogon pulchellus
✓ Caltha palustris 19,20
Campanula aparinoides
Chamaedaphne calyculata
✓ Chiogenes hispidula 7,13,14,16,
Cicuta bulbifera
Cicuta maculata
Circaea alpina
Cirsium muticum
Clintonia borealis
✓ Coptis trifolia 1,2,3,4,6,7,9,10,11,15,20
Corallorrhiza trifida 3,4,
✓ Cornus canadensis
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 linneana
Dryopteris phegopteris
✓ Dryopteris spinulosa 2,3,8,10,11,
Dryopteris thelypteris
Dulichium arundinaceum
Epigaea repens
Epilobium adenocaulon
Epilobium angustifolium 19,
✓ Epilobium densum 12,13,
Equisetum scirpoides
Eriophorum angustifolium
Eriophorum virginicum
Eriophorum viridi-carinatum
Eupatorium perfoliatum
Eupatorium maculatum
Galium aparine
Galium concinnum
✓ Galium labradoricum
Galium trifidum
✓ Gaultheria procumbens 6,
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 14,
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia
✓ Ledum groenlandicum 8,
Leersia oryzoides
✓ Linnaea borealis 7,13,14,18,20
Liparis loeselii
Listera cordata
Lobelia kalmii
Lobelia siphilitica
Lonicera caerulea
Lonicera oblongifola
Lycopus uniflorus 18,19,
Lysimachia ~~terrestris~~ 3,19,
✓ Maianthemum canadense 8,9,10,17,18,20
Malaxis unifolia
Menyanthes trifoliata 8,
Mimulus ringens
Mitchella repens
✓ Mitella nuda 2,12,
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
✓ Nemopanthus mucronata
✓ Onoclea sensibilis
✓ Osmunda cinnamomea #
✓ Osmunda regalis 16,17,18,
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 13
Ranunculus abortivus
Rhamnus alnifolia
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
Ribes triste
Rorippa palustris
Rosa caroliniana
Rubus idaeus 2,
✓ Rubus triflorus 5,8,9,11,17,18,19,
Rynchospora alba
Salix candida
Sarracenia purpurea

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Saxifraga pennsylvanica
Scirpus cyperinus
Scirpus acutus
Scirpus hudsonianus
Scirpus rubrotinctus
Scirpus validus
Scutellaria epilobifolia 2, 14, 15, 16,
Scutellaria lateriflora
Selaginella selaginoides
Sium suave

Smilacina trifolia 18
Smilax herbacea
Solidago serotina
Spiraea alba
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
Trientalis borealis 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 15, 16, 20
Triglochin maritima

Typha latifolia
Vaccinium angustifolium
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis
Viola pallens 1, 2, 3, 4, 5, 8, 10, 11, 20
Vitis riparia 12, 13, 14, 15, 17,

Additional species:

Carex sp 1, 3, 7, 10, 13, 15, 17, 20
Polygonum sp 11,
Galium trifl 10, 11, 13, 20
Carex ~~[illegible]~~ 2, 5, 6, 9, 17, 19,
C trisp 2, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19,
Dryopteris 14,
Lonicera can 5, 10, 11, 20
Moneses uniflora
~~Galium triflorum~~
Salix sp 11,