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8-17-54

CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 114

Vela

Redox

Conduc.

Cat.Cap.

Location

43N9E33

pH

02

36" Bore

% Cover 50

Basal Area

Betula

Pop. tr

Betula pap.

Alnus

Distances

Picea	Larix	Picea	Thuja	Pop. tr	Betula pap.	Alnus			
			65	77		7		3.0	11.0 3.0
			(55)		5	5		16.5	8.5 23.0
			6		4	5		5.0	6.5 7.0
			5.5					8.25	3.0 5.0
			64					11.0	8.0 9.5
			7	65				18.0	7.0 9.5
			65						
			555						
			555						
			(50) (65)						
			(55) (45) 8						
	6					4.5 4.5		8	22.0 17.0
		(70)	6			4 5		15.0	15.0 8.0
						6.5			
	7					4 (70)		11.75	10.5 10.5
						44			
			55	5		5		7.5	25.0 11.0
			6.5						
			785			4		5.0	17.0 4.0
						4			
			6.5 6		(45) (70)	6		10.5	12.5 4.0
			7	6		5 4		16.5	10.0 11.5
			(80)						
			7			70 44		2.5	16.5 15.0
						5 4		7.5	11.75 19.0
		(90)		(40) (65)					
			678			44		8.0	10.75 8.0
			78 (30)			44		20.0	14.0 8.0
			83			4 6		7.5	16.5 0.5
4			5.5			5 4.5		11.5	8.0 13.5
						4 5.5			
			65					10.5	5.0 8.0
TOTALS	5.5	6							

Sketch Map:

Beaver dam

Cedar

B

Plant Ecology Laboratory
Data Form 68

Station No. 5114

Wdwd 30

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD		
	Pts.	Tr.	80	81-	321+	Dom.	Sap.	Seed	Seed	Tr.	Tr.	Index	
Abies balsamea	16	37	37			724			340	37	23.4	94.4	376 424.8
Acer rubrum													
Acer spicatum													
Betula lutea	3	4	4			130			6.4	4	4.2	14.6	105 109.5
B. papyrifera	3	4	4			147			6.4	4	4.8	15.2	90 76.0
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	3	5	5			138			6.4	5	4.5	15.9	16 15.9
Picea glauca	3	3	2	1		198			6.4	3	6.4	15.8	112 63.2
P. mariana	1	1	1			12			2.1	1	0.4	3.5	19 7.0
Pinus resinosa													
P. strobus													
Pop. balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.	18	46	45	1		1743			38.3	46	56.4	140.7	564 562.8
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran. 49

Av. Tr. Dis. 3092

Av. BA 10.5

30.9

No. Tr./Acre 100

395

1266

1259.2

Dom./Acre 12,206

Picea

1.12

Larix

6 " 56
7 " 38
5.5 " 24
5 " 20
5. 13.8

Pice gl

7 " 38
70
90

Thuja

4 " 11
5 ~~11~~ ~~11~~ ~~11~~
6 ~~11~~ ~~11~~ ~~11~~
7 ~~11~~ ~~11~~ ~~11~~
8 ~~11~~ ~~11~~ ~~11~~

55
110
50
65
55
45
80
80
80
65

46 1743

Red lead

114

7 " 76
65 1 34
5 1 20
4. 130

Red sap

5 1 20
4 1 12
45
70

Alba

4 ~~11~~ ~~11~~ ~~11~~ ~~11~~ ~~11~~
5 ~~11~~ ~~11~~ ~~11~~
6 ~~11~~ ~~11~~ ~~11~~
7 ~~11~~ ~~11~~ ~~11~~
8
70

39

724

TABULATION FORM

CONIFER SWAMP

Stand No. 5114

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>		✓	✓					✓	✓		✓		✓									5
<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>		✓																				
<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. 5114

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 acutata</i>	✓	✓																				1
<i>Carex diandra</i>																						
<i>Carex disperma</i>	✓	✓			✓						✓		✓				✓		✓	✓		7
<i>Carex flava</i>																						
<i>Carex granularis</i> var. ha																						
<i>Carex hystericina</i>																						
<i>Carex interior</i>	✓										✓											1
<i>Carex intumescens</i>																						
<i>Carex lacustris</i>																						
<i>Carex lasiocarpa</i>																						
<i>Carex leptalea</i>	✓												✓				✓				✓	3
<i>Carex leptoneuria</i>																						
<i>Carex limosa</i>																						
<i>Carex oligosperma</i>																						
<i>Carex pauciflora</i>																						
<i>Carex paupercula</i>																						
<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>	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓			✓	✓	✓	✓		✓		14
<i>Carex tuckermani</i>																						
<i>Chamaedaphne calyculata</i>																						
<i>Chelone glabra</i>																						
<i>Cicuta bulbifera</i>																						
<i>Cicuta muculata</i>					✓																	
<i>Cinna latifolia</i>	✓	✓							✓			✓			✓				✓			4
<i>Circaea alpina</i>	✓	✓																				
<i>Cirsium muticum</i>	✓																					
<i>Clintonia borealis</i>	✓	✓	✓	✓				✓	✓										✓			5
<i>Coptis groenlandica</i>	✓	✓		✓			✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	14
<i>Corallorrhiza trifida</i>																						
<i>Cornus alternifolia</i>																						
<i>Cornus canadensis</i>	✓	✓		✓	✓			✓	✓		✓	✓		✓		✓		✓	✓	✓		12
<i>Cornus obliqua</i>																						
<i>Cornus racemosa</i>																						
<i>Cornus stolonifera</i>																						
<i>Cypripedium acaule</i>																						
<i>Cypripedium arietnum</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>																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5114

[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>																						
<i>Lactuca biennis</i>																						
<i>Lathyrus palustris</i>																						
<i>Ledum groenlandicum</i>	✓											✓										1
<i>Leersia oryzoides</i>																						
<i>Linnaea borealis</i>	✓	✓		✓	✓			✓	✓	✓	✓		✓	✓	✓	✓		✓				12
<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>Lycopolium lucidulum</i>																						
<i>Lycopodium obscurum</i>																						
<i>Lycopus uniflorus</i>	✓		✓										✓		✓		✓					4
<i>Lysimachia ciliata</i>																						
<i>Lysimachia hybrida</i>					✓																	
<i>Lysimachia quadriflora</i>																						
<i>Lysimechia terrestris</i>	✓																		✓			1
<i>Lysimachia thyrsiflora</i>																						
<i>Maianthemum canadense</i>	✓			✓			✓			✓				✓				✓				5
<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>	✓		✓		✓			✓			✓		✓		✓		✓			✓		8
<i>Moneses uniflora</i>	✓	✓																				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>	✓	✓			✓		✓		✓		✓	✓										6

TABULATION FORM

CONIFER SWAMP

Stand No. 5114

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

TABULATION FORM

CONIFER SWAMP

Stand No. 5114

[illegible]

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 114

no second
page

- no second page
- | | | |
|--|---|---|
| ✓ Abies balsamea 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 14 | ✓ Juglans cinerea | Prunus serotina |
| ✓ Acer rubrum 15 | ✓ Larix laricina | Quercus bicolor |
| ✓ Acer spicatum | ✓ Picea glauca | Quercus rubra |
| ✓ Betula lutea | ✓ Picea mariana | Sorbus americana |
| ✓ Betula papyrifera | Pinus resinosa | ✓ Thuja occidentalis 17 |
| ✓ Carya cordiformis | Pinus strobus | Tsuga canadensis |
| ✓ Fraxinus nigra | Populus tremuloides | Ulmus americana |
| ✓ Juniperus communis 1, 2, 4, 7, 9, 15, 17, 18 | ✓ Equisetum 1, 2, 3, 20 | ✓ Vaccinium 1, 13, 17, 19 |
| ✓ Lophoceros 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18 | HERBS AND SHRUBS | ✓ Viola 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17 |
| ✓ Alnus incana 19, 20 | ✓ Dryopteris phegopteris | ✓ Lonicera caerulea can 18 |
| ✓ Alnus rugosa 15, 18 | ✓ Dryopteris spinulosa 14, 6, 7, 8, 12, 15, 18, 19 | Lonicera oblongifolia |
| Andromeda glaucophylla | ✓ Dryopteris thelypteris 1, 2, 11, 13, 16 | ✓ Lycopodium uniflorum 2, 12, 14, 16 |
| Anemone canadensis | Dulichium arundinaceum | ✓ Lysimachia terrestris 19 |
| Aralia hispida | Epigaea repens | ✓ Maianthemum canadense 36, 9, 13, 17 |
| ✓ Aralia nudicaulis 17, 8, 10, 12 | Epilobium adenocaulon | Malaxis unifolia |
| Arceuthobium pusillum | Epilobium angustifolium | Menyanthes trifoliata |
| Arctostaphylos uva-ursi | ✓ Epilobium densum | Mimulus ringens |
| Arethusa bulbosa | Equisetum scirpoides | Mitchella repens |
| Arisaema atrorubens | Eriophorum angustifolium | ✓ Mitella nuda 2, 5, 7, 10, 12, 14, 16, 20 |
| Asclepias incarnata | Eriophorum virginicum | ✓ Moneses uniflora |
| Aster lateriflorus | Eriophorum viridi-carinatum | Muhlenbergia mexicana |
| Aster novae-angliae | Eupatorium perfoliatum | Muhlenbergia racemosa |
| Aster umbellatus | Eupatorium maculatum | Myrica gale |
| Betula pumila | ✓ Galium aparine 5, 7, 10, 11, 12, 13, 14, 15, 16 | Nemopanthus mucronata |
| Betula sandbergii | Galium concinnum 17, 18, 20 | Onoclea sensibilis |
| Bidens coronata | Galium labradoricum | ✓ Osmunda cinnamomea 1, 4, 6, 8, 10, 11 |
| Boehmeria cylindrica | Galium trifidum | Osmunda regalis |
| ✓ Botrychium virginianum | Gaultheria procumbens | ✓ Parnassia caroliniana 1, 2, 3, 4, 5, 8, 11, 13 |
| Bromus ciliatus | Gaylussacia baccata | Parthenocissus vitacea 14, 17, 18, 20 |
| Calamagrostis canadensis | Gentiana linearis | Pedicularis lanceolata |
| ✓ Calla palustris | Geum rivale | Phalaris arundinacea |
| Calopogon pulchellus | ✓ Glyceria striata 2, 3, 13, 15, 16, 20 | ✓ Physocarpus opulifolius 5 |
| ✓ Caltha palustris | Goodyera repens | Poa palustris |
| Campanula aparinoides | Habenaria clavellata | Pogonia ophioglossoides |
| Chamaedaphne calyculata | Habenaria dilatata | Polygala pauciflora |
| ✓ Chiogenes hispidula 1, 2, 5, 6, 7, 8, 9, 10, 11 | ✓ Habenaria hyperborea 16 | Potentilla palustris |
| Cicuta bulbifera 12, 13, 15, 17, 18 | Habenaria lacera | Prenanthes alba |
| Cicuta maculata | Habenaria leucophaea | Pyrola asarifolia |
| ✓ Circaea alpina | Habenaria media | Pyrola elliptica |
| ✓ Cirsium muticum | ✓ Habenaria obtusata | Pyrola rotundifolia |
| ✓ Clintonia borealis 2, 3, 7, 8, 18 | Habenaria pycodes | ✓ Pyrola secunda 5, 6, 7, 16, 18, 20 |
| ✓ Coptis trifolia 1, 3, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17 | Halenia deflexa | Ranunculus abortivus |
| Corallorrhiza trifida 18, 20 | Helenium autumnale | Rhamnus alnifolia |
| ✓ Cornus canadensis 1, 3, 4, 7, 8, 10, 12, 14, 16, 18 | Hypericum virginicum | Rhus radicans |
| Cornus obliqua 19, 20 | Ilex verticillata | Rhus vernix |
| Cornus stolonifera | Impatiens biflora | Ribes americanum |
| Cypripedium acaule | Iris versicolor | Ribes cynosbati |
| Cypripedium arietinum | Iris virginica | Ribes hirtellum |
| Cypripedium parviflorum | Juncus tenuis | Ribes lacustre |
| Cypripedium pubescens | Kalmia polifolia | Ribes triste |
| Cypripedium reginae | ✓ Ledum groenlandicum 11 | Rorippa palustris |
| Decodon verticillatus | Leersia oryzoides | Rosa caroliniana |
| Diervilla lonicera | ✓ Linnaea borealis 1, 3, 4, 7, 8, 9, 10, 12, 13, 14, 15, 18 | Rubus idaeus |
| Drosera intermedia | Liparis loeselii | ✓ Rubus triflorus 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13 |
| Drosera longifolia | Listera cordata | Rhynchospora alba 14, 15, 16, 18, 19, 20 |
| Drosera rotundifolia | Lobelia kalmii | Salix candida |
| ✓ Dryopteris linneana 17, 19 | Lobelia siphilitica 10, 18 | Sarracenia purpurea |
| ✓ Carex trisp 1, 2, 3, 4, 5, 6, 7, 9, 11, 14, 15, 16 | ✓ Carex 1, 4, 10, 12, 14, 18, 19 | ✓ Sarracenia 1, 4, 10, 12, 14, 18 |