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no reprod.
very dry
grazing?

CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 109-Aug. 1-54

Redox.

Conduc.

Cat.Cap.

Location Jaylor
38 N 28 E 6

pH

02

36" Bore

% Cover 25

Basal Area

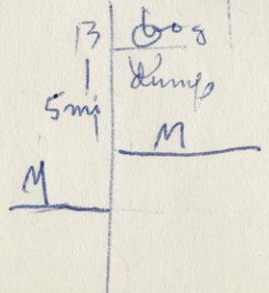
Larix Picea Thuja Pop.tr. Betula pap.

Pinus strobus

Distances

4.5	6.5	5					9.25, 7.25, 6.75
5	6.5						8.75, 9.25, 6.5
5.6	4	5.5					13.5, 4.25, 10.25
	6	6.5	4			4	6.75, 8.75, 3.75
	4.5						8.25, 8.75, 15
	6.5	5	4				20, 3.5, 11.25
	4	6.5					7.25, 6.75, 8.75
	4	4.5	6				13, 2.5, 11.75
	5	6.5					4.25, 7.5, 15.5
6.5	6.5	4					13, 12.5, 1.5
	7	6					5.75, 4.5, 10.5
	4	5.5					20, 7.5, 5.5
5.5	4	5					6.5, 1.5, 4.5
5	7				6.5		17.5, 12.75, 8.75
4.5	4.5						1.75, 9.5, 7.25
(5.5)	8	6.5					12.25, 2.75, 10.25
	6	5					12, 7.5, 3.75
5	6.5						10.75, 5.5, 4.5
4	7.5						7.25, 7.5, 10.5
7	5	4					16, 4.25, 13
	5	4.5					
6	5	5					
5	5	6.5					
6	4	4.5					
5	7.5						
4	5.5	4.5					
	6	4.5					
	8	5	6.5				
5.5	4.5						
6.5	5.5	6					
5	4						
6.5	8	6					
7	5.5						
5.5	6	4					
5.5	5	5					
6.5	4	4					
5	4.5						
7	6.5	4	4				
4.5	TOTALS						

Sketch Map:



Plant Ecology Laboratory
Data Form 68

Station No. 5109

Individ 6

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD	
	Pts.	Tr.	12-80	81-320	321-400	Dom.	Sap.	Seed	Tr.	Tr.	Tr.	Index
Abies balsamea												
Acer rubrum												
Acer spicatum												
Betula lutea												
B. papyrifera	1	1	1			34			3.7	1	1.4	6.1 36 30.5
Carya cord.												
C. ovata												
Fraxinus nigra												
Juglans cinerea												
Larix laricina	20	92	92			2281			74.1	92	94.1	260.2 200 260.2
Picea glauca												
P. mariana	5	6	6			98			19.5	6	4.0	28.5 289 57.0
Pinus resinosa												
P. strobus	1	1	1			12			3.7	1	0.5	5.2 10 20.8
Pop. balsamifera												
P. grand.												
P. trem.												
Prunus serotina												
Pyrus americana												
Quercus bicolor												
Q. rubra												
Thuja occ.												
Tilia americana												
Tsuga can.												
Ulmus americana												
U. rubra												

Total tran. 27

Av. Tr. Dis. 2425 8.5

Av. BA

No. Tr./Acre 100 100 100 300 335 368.5

Larix

4 1111111111

~~1111~~

~~5 IIIII II IIII~~

77192

6 ~~1111~~

~~III III III~~

7 III 11

1

5 III

55
Pines 92 2081

4 III

1

6.5.1

49

10
11

24

$$\begin{array}{r} 98 \\ 6 \overline{) 588} \end{array}$$

Best pap

6.5 1 34

Pen str

152

12

Stand No. 5109

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

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5109

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5109

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5109

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5109

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 sp.</i>																							
<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>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	17	
<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>	✓																		✓			1	
<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>																							
<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>	✓																				✓	1	
<i>Vaccinium oxycoccos</i>	✓	✓		✓	✓	✓				✓		✓	✓	✓	✓	✓	✓		✓			12	

[illegible]

5 mi N of M. Howard

PRESENCE LIST

CONIFER BOG

Stand No. 109-

Aug-3-54

Abies balsamea
 Acer rubrum *seedling*
 Acer spicatum
 Betula lutea *supl.*
 Betula papyrifera *2, 3, 4, 8, 12, 13, 15, 16*
 Carya cordiformis
 Fraxinus nigra *17, 18, 20*

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

Prunus serotina
 Quercus bicolor
 Quercus rubra
 Sorbus americana
 Thuja occidentalis
 Tsuga canadensis
 Ulmus americana

HERBS AND SHRUBS

Alnus incana
 Alnus rugosa
 Andromeda glaucophylla
 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
 Calopogon pulchellus
 Caltha palustris
 Campanula aparinoides
 Chamaedaphne calyculata *12, 3, 4, 5, 6, 7*
 Chiogenes hispidula *8, 11, 12, 13, 15, 16*
 Cicuta bulbifera
 Cicuta maculata *17, 18, 20*
 Circaea alpina
 Cirsium muticum
 Clintonia borealis
 Coptis trifolia
 Corallorrhiza trifida
 Cornus canadensis
 Cornus obliqua
 Cornus stolonifera
 Cypripedium acaule *15*
 Cypripedium arietinum
 Cypripedium parviflorum
 Cypripedium pubescens
 Cypripedium reginae
 Decodon verticillatus
 Diervilla lonicera
 Drosera intermedia
 Drosera longifolia
 Drosera rotundifolia
 Dryopteris linneana

Dryopteris phegopteris
 Dryopteris spinulosa
 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 *4*
 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 *12, 3, 4, 12, 13, 14, 15, 16*
 Ledum groenlandicum *1, 2, 4, 5, 8, 9, 11, 12*
 Leersia oryzoides
 Linnaea borealis *13, 14, 15, 16, 17*
 Liparis loeselii
 Listera cordata
 Lobelia kalmii
 Lobelia siphilitica

Lonicera caerulea
 Lonicera oblongifolia
 Lycopus uniflorus
 Lysimachia terrestris
 Maianthemum canadense
 Malaxis unifolia
 Menyanthes trifoliata
 Mimulus ringens
 Mitchella repens
 Mitella nuda
 Moneses uniflora
 Muhlenbergia mexicana
 Muhlenbergia racemosa
 Myrica gale
 Nemopanthus mucronata
 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 *19*
 Rubus triflorus
 Rynchospora alba
 Salix candida
 Sarracenia purpurea *14*

Saxifraga pennsylvanica
Scirpus cyperinus
Scirpus acutus
Scirpus hudsonianus
Scirpus rubrotinctus
Scirpus validus
Scutellaria epilobifolia
Scutellaria lateriflora
Selaginella selaginoides
Sium suave

Smilacina trifolia 23, 56, 78, 9, 10, 11, 12
Smilax herbacea
Solidago serotina 13, 14, 15, 16, 19, 20
Spiraea alba
Spiraea tomentosa 14
Steironema lanceolatum
Symplocarpus foetidus
Thalictrum dasycarpum
Trientalis borealis
Triglochin maritima

109 - Aug. 2 - 54
Typha latifolia
Vaccinium angustifolium
Vaccinium macrocarpon
Vaccinium oxycoccus 1, 3, 4, 5, 9, 12, 13, 14, 15
Vaccinium pennsylvanicum
Viburnum opulus
Viola canadensis 16, 18
Viola pallens
Vitis riparia

Additional species:

✓ *Vaccinium myrt.* 20
 ✓ *Sphagnum* 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
Polygonum sag.
 ✓ *Carex trisperma* 1, 2, 3, 8, 9, 10, 18,
 ✓ *Saxus*
 ✓ *C. paupercula* 15,
 ✓ *Prunus pennsylvanica*