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N43 SE 6 Biry

CONIFER SWAMP

Ecology Form # 71

Field Data Sheet - Trees

Stand # 69

less Alnus saple

Redox

Conduc.

Cat.Cap.

Location 42 N 6 E 3

pH

O2

36" Bore

% Cover 50

Basal Area

Larix

Picea

Thuja

Pop. tr.

Alnus ~~Pop. tr.~~

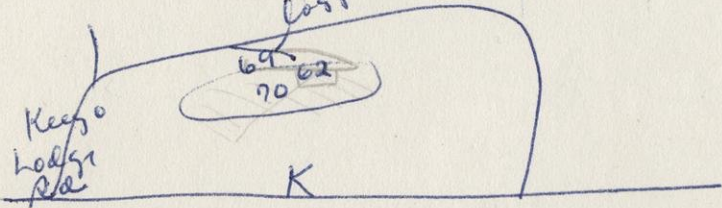
Picea glauca

Distances

		5		6		12.0	18.0	11.5
		(90) 8		4				
		7 5		5.5		3.0	20.5	8.25
		2.5		6	(110)			
		5		5 6		17.5	19.5	15.0
				5 4 4				
				5 6		16.0	9.25	16.0
		6		4				
		2.5	5.5	4		12.5	11.25	8.0
		8 (85)		6 4		8.5	26.5	2.5
		6.5		4 4 4				
		7 8				17.0	16.0	18.0
		8 6 5				7.5	9.0	8.0
		(100) 8						
	6.5	4 6 5				9.25	18.0	2.5
	4			4 5 6				
		6 7				7.5	5.0	5.5
		4 6 8		5		21.5	15.5	18.5
		8 6 4		4				
		(90) 4				18.0	1.0	5.0
	5.5	(90) 6				7.0	9.5	5.0
		8 5						
		5 5.5		4 8		9.5	12.25	6.0
		4						
	6	6.5		7		15.0	14.0	11.25
		6 4						
		8 6 6						
		5 (25)				13.75	20.0	2.0
	6.5	4 8 5		6		5.0	2.5	8.0
		5 6		5				
		6.5 4				17.0	18.5	7.5
		4 6		6				
		5 7				12.0	9.25	7.0
		(25) 7 4		4 4		11.5	4.0	8.5
TOTALS								

Sketch Map:

Logging road



Plant Ecology Laboratory
Data Form 68

Station No. 69

69 6dwd 4

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD			
	Pts.	Tr.	80	81-	321-								Dom.	Sap.
Abies balsamea	17	32	32			636			39.5	32	20.6	92.1	368	414.4
Acer rubrum														
Acer spicatum														
Betula lutea														
B. papyrifera														
Carya cord.														
C. ovata														
Fraxinus nigra														
Juglans cinerea														
Larix laricina														
Picea glauca	1	1		1		110			2.3	1	3.6	6.9		27.6
P. mariana	5	6	6			144			11.6	6	4.7	22.3	29	29.2 44.6
Pinus resinosa														
P. strobus														
Pop. balsamifera														
P. grand.														
P. trem.	1	1	1			24			2.3	1	0.8	4.1	12	14-3
Prunus serotina														
Pyrus americana														
Quercus bicolor														
Q. rubra														
Thuja occ.	19	60	5	55		2173			44.2	60	70.4	174.6	700	698.4
Tilia americana														
Tsuga can.														
Ulmus americana														
U. rubra														

Total tran. 43

Av. Tr. Dis. 11.3

Av. BA 30.9

No. Tr./Acre 341

Dom/acre - 10,537

30.87

44.9

100 1 300

1109 1194.3

Picea

4	11	2.12	24
5			24
1		1.24	28
6	11	1.28	68
7		2.24	

6

144

Thuja

4	III	9.12	108
5	III	11.20	220
6	III	1.24	24
7	III	12.28	336
7	III	3.34	102
8	III	5.38	190
8	III	2.44	88
		10.50	500

60

2173

Pop tr

1.24

Abies

4	III	15.12	180
5	III	6.20	120
1		1.24	24
6	III	8.28	224
7		1.38	38
8		1.50	50
		32	636

Picea

1.110

George Warr (O.R.A.) Phytosociology of Flood - Main Marshes.

(BND)

Phytosociology of Flood - Main Marshes.

Yes, but it will be concerned with the phase of the vegetation on his part.

Notes of the Herbarium: See p. 4

Research in Progress: Phytosociology: See p. 3 and 4

37
63
97
60
40

TABULATION FORM

CONIFER SWAMP

Stand No. 5069

[illegible]

CONIFER SWAMP

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5069

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5069

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>	✓		✓																			1
<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>	✓									✓	✓	✓							✓			4
<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>	✓								✓										✓			2
<i>Pycnanthemum virginianum</i>					✓																	
<i>Pyrola asarifolia</i>																						
<i>Pyrola elliptica</i>																						
<i>Pyrola rotundifolia</i>																						
<i>Pyrola secunda</i>	✓	✓	✓	✓	✓				✓		✓						✓		✓			7
<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. 5069

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>	✓			✓					✓		✓	✓	✓					✓	✓		✓		8
<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>																							
<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>									✓	✓	✓	✓		✓	✓	✓	✓			✓			9
<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>	✓	✓	✓			✓	✓			✓			✓	✓		✓	✓						9
<i>Triglochin maritima</i>																							
<i>Trillium flexipes</i>																							
<i>Typha latifolia</i>																							
<i>Urtica dioica</i>																							
<i>Vaccinium angustifolium</i>															✓	✓	✓						3
<i>Vaccinium macrocarpon</i>																							
<i>Vaccinium myrtilloides</i>	✓						✓				✓	✓			✓	✓				✓			6
<i>Vaccinium oxycoccos</i>																							

Rubus parviflorus

✓ ✓

✓ ✓ 4

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 69

✓ *Abies balsamea* 6, 12, 15, 16, 17,
Acer rubrum 3, 9, 10, 11,
Acer spicatum
Betula lutea
 ✓ *Betula papyrifera* 3, 5, 7, 9, 12, 14, 16, 19, 20
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
 ✓ *Thuja occidentalis* 4, 6, 12,
Tsuga canadensis
Ulmus americana

Conifer 69
 65
 30
 50
 25

HERBS AND SHRUBS

2.0 25 ✓ *Alnus incana*
 2.0 25 ✓ *Alnus rugosa* 3, 4, 12, 19,
Andromeda glaucophylla
Anemone canadensis
Aralia hispida
 2.8 35 ✓ *Aralia nudicaulis* 1, 7, 11, 12, 18, 19, 20
Arceuthobium pusillum
Arctostaphylos uva-ursi
Arethusa bulbosa
Arisaema atrorubens
Asclepias incarnata
Aster lateriflorus
 .4 5 ✓ *Aster novae-angliae* 2,
Aster umbellatus
Betula pumila
Betula sandbergii
Bidens coronata
Boehmeria cylindrica
 .4 5 ✓ *Botrychium virginianum* 19,
Bromus ciliatus
Calamagrostis canadensis
Calla palustris
Calopogon pulchellus
 ✓ *Caltha palustris*
Campanula aparinoides
Chamaedaphne calyculata
 3.6 45 ✓ *Chiogenes hispidula* 12, 56, 9, 10, 12, 14,
Cicuta bulbifera 16,
Cicuta maculata
Circaea alpina
Cirsium muticum
 4.9 60 ✓ *Clintonia borealis* 12, 3, 4, 6, 7, 8, 10, 14, 15
 6.1 75 ✓ *Coptis trifolia* 2, 3, 4, 5, 7, 8, 10, 11, 13, 14, 15
Corallorrhiza trifida 16, 17, 18, 20
 6.9 85 ✓ *Cornus canadensis* 1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 13,
Cornus obliqua 14, 15, 16, 18, 19,
Cornus stolonifera 20
 ✓ *Cypripedium acaule*
Cypripedium arietinum
Cypripedium parviflorum
Cypripedium pubescens
Cypripedium reginae
Decodon verticillatus
Diervilla lonicera
Drosera intermedia
Drosera longifolia
 .4 5 ✓ *Drosera rotundifolia*
 ✓ *Dryopteris tinctoria* 13,

Dryopteris phegopteris
 2.0 25 ✓ *Dryopteris spinulosa* 1, 6, 10, 14, 16,
Dryopteris thelypteris
Dulichium arundinaceum
 .4 5 ✓ *Epigaea repens* 6,
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
 .4 5 ✓ *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 6, 9,
Habenaria psycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
Ilex verticillata
Impatiens biflora
Iris versicolor
Iris virginica
Juncus tenuis
Kalmia polifolia
 2.0 25 ✓ *Ledum groenlandicum* 6, 11, 3, 14, 16,
Leersia oryzoides
 6.1 75 ✓ *Linnaea borealis* 1, 3, 4, 5, 8, 9, 10, 12, 13, 14, 15,
Liparis loeselii 17, 18, 19, 20
 as m 5 ✓ *Listera cordata* 15
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
 3.2 40 ✓ *Maianthemum canadense* 5, 6, 9, 10, 15, 16, 17,
Malaxis unifolia
Menyanthes trifoliata
Mimulus ringens
Mitchella repens
 3.6 45 ✓ *Mitella nuda* 25, 8, 9, 10, 17, 18, 19, 20
Moneses uniflora
Muhlenbergia mexicana
Muhlenbergia racemosa
Myrica gale
Nemophanthus mucronata
Onoclea sensibilis
 ✓ *Osmunda cinnamomea*
Osmunda regalis
Parnassia caroliniana
Parthenocissus vitacea
Pedicularis lanceolata
Phalaris arundinacea
Physocarpus opulifolius
Poa palustris
Pogonia ophioglossoides
 1.6 20 ✓ *Polygala pauciflora* 9, 10, 11, 18,
Potentilla palustris
Prenanthes alba
Pyrola asarifolia
Pyrola elliptica
Pyrola rotundifolia
 2.8 35 ✓ *Pyrola secunda* 1, 2, 3, 8, 10, 16, 18,
Ranunculus abortivus
Rhamnus alnifolia
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
Ribes triste
Rorippa palustris
Rosa caroliniana
Rubus idaeus
 32 ✓ *Rubus triflorus* 3, 8, 10, 11, 12, 17, 18, 20
Rhynchospora alba
Salix candida
Sarracenia purpurea

Conifer 62
 35
 30
 20
 30

Data Form No. 22 (P.2)

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

3, 6, 15 ✓ Smilacina trifolia 8, 9, 10, 11, 13, 14, 15, 16, 19
Smilax herbacea
Solidago serotina 1, 2, 15
Spiraea alba
Spiraea tomentosa
Steironema lanceolatum
Symplocarpus foetidus
3, 6, 45 ✓ Thalictrum dasycarpum
45 ✓ Trientalis borealis 1, 2, 5, 6, 9, 12, 13, 16, 17
Typha latifolia
Vaccinium angustifolium 14, 15, 16
Vaccinium macrocarpon
Vaccinium oxycoccus
Vaccinium pennsylvanicum
Viburnum opulus
4, 5 ✓ Viola canadensis
55 ✓ Viola pallens 1, 2, 4, 5, 6, 8, 9, 12, 15
Vitis riparia 16, 20

Additional species:

4, 9, 60 ✓ Aster mac 4, 5, 7, 8, 9, 10, 12, 13, 16, 18, 19, 20
1, 2, 15 ✓ Equis flav 7, 14, 16,
0, 4, 5 ✓ Orelis mon 2,
7, 7, 15 ✓ Carex trisp 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20
4, 0, 50 ✓ C disp 1, 2, 3, 5, 8, 10, 12, 14, 17, 18,
2, 4, 30 ✓ Vaca myr 6, 10, 11, 14, 15, 19,
0, 8, 10 ✓ Lonicera can 13, 18,
2, 8, 35 ✓ Galium triflorum 2, 5, 6, 8, 10, 18, 20
0, 4, 5 ✓ Carex ^{septentrionalis} ~~longa~~ 18,
0, 4, 5 ✓ Monarda un 2,
2, 4, 30 ✓ Carex ^{brachy} ~~brachy~~ 2, 5, 8, 9, 19, 20, 18
1, 2, 15 ✓ Dryopteris 3, 10, 14,
1, 2, 15 ✓ grass 5, 13, 19,
1, 6, 20 ✓ Rubus ^{patens} ~~patens~~ 6, 7, 19, 20
0, 8, 10 ✓ Pteridium ^{florans} ~~florans~~ 8, 18,
0, 4, 5 ✓ Waldsteinia 9,
8, 100 aph

7 1235