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for 2 abies & Shug a
seedlings
many Picea

CONIFER SWAMP

Ecology Form # 71

Stand # 70

Redox

Conduc.

Field Data Sheet - Trees

Cat.Cap.

Location 42 N 68 E 3

pH

02

36" Bore

% Cover 30

Basal Area

Larix Picea Thuja Pop.tr. Betula pap.

Distances

	4.5	6.5				13.0	1.0	13.25
	4.5	6.5				12.0	20.75	2.0
	4.5	5.6				16.5	12.5	12.75
	5	4				12.75	9.0	18.5
	4	6	4			8.0	4.5	6.0
	4.5	6				7.0	24.0	12.0
4.5	5.5	4.5				7.5	22.0	19.5
4	6					9.0	19.5	26.5
	4	6.5				11.0	7.0	40.0
	6	4.5				12.0	28.5	17.5
	6	4.5				40.0	21.0	2.0
	4	4.5				16.5	33.0	12.0
	6	4.5	4.5			17.5	18.0	8.0
	5	5.5				1.5	14.5	8.0
	6	4	4			23.0	2.5	9.75
8	5	5				20.0	22.0	16.0
	5.5	6				19.0	13.5	27.0
	4	6	5			23.5	2.5	20.5
	6	5				19.5	10.0	2.5
	4	6	5			10.0	10.25	18.25
	6	5						
	5	6	5					
	4.5	6.5						
	6.5	7.5						
	7	4	4					
	4.5	6						
	6.5	5.5						
	4.5	6	4					
	5	6						
	7	5.5						
	6	5.5						
	6.5							
	5	6						
	6	4	5					
	4.5	5.5						
	6	6	4.5					
	4.5	4						
	4	4.5						
	4							
	6	4.5	4					
	5	5.5						
	6	4	5					
	4.5	5						
	5	4.5	7					
TOTALS	6	6						

Sketch Map:

see 506 9

Plant Ecology Laboratory
Data Form 68

Station No. 70

Tree	No.		Size Cl. sq. in.			No.	F%	F%	D%	Dom%	DFD	
	Pts.	Tr.	12-80	81-320	321+	Dom.	Sap.	Seed	Tr.	Tr.	Tr.	Index
Abies balsamea												
Acer rubrum												
Acer spicatum												
Betula lutea												
B. papyrifera												
Carya cord.												
C. ovata												
Fraxinus nigra												
Juglans cinerea												
Larix laricina	2	3	3			78			8.7	3	3.5	15.2
Picea glauca												
P. mariana	20	96	96			2118			86.9	96	95.9	298.8
Pinus resinosa												
P. strobus												
Pop. balsamifera												
P. grand.												
P. trem.												
Prunus serotina												
Pyrus americana												
Quercus bicolor												
Q. rubra												
Thuja occ.	1	1	1			12			4.3	1	0.5	5.8
Tilia americana												
Tsuga can.												
Ulmus americana												
U. rubra												

Total tran.

23

Av. Tr. Dis.

2208

Av. BA

No. Tr./Acre

999

99.9 299.9

317 596.0

Larry

$$\begin{array}{r} 1.12 \\ 1.16 \\ 1.50 \\ \hline 3.78 \end{array}$$

Picea

4
5
6
7
8

19.12	204
20.16	320
15.20	300
8.24	192
24.28	672
8.34	272
3.38	114
1.44	44

96

2118

They a
1.12

1.12

4 IIII IIII IIII IIII
5 IIII IIII IIII
6 IIII IIII IIII
7 IIII
8 I

$$\begin{array}{r} 17 \\ 20 \\ 15 \\ 8 \\ 28 \\ 8 \\ 3 \\ 1 \\ \hline 7 \end{array}$$

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5070

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5070

Station No.	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
<i>Iris sp</i>	✓																					
<i>Dryopteris cristata</i>																						
<i>Dryopteris disiuncta</i>																						
<i>Dryopteris phegopteris</i>																						
<i>Dryopteris spinulosa</i>																						
<i>Dryopteris thelypteris</i>	✓						✓	✓	✓		✓	✓	✓									6
<i>Dulichium arundinaceum</i>																						
<i>Echinocystis lobata</i>																						
<i>Eleocharis smallii</i>																						
<i>Epigaea repens</i>																						
<i>Epilobium angustifolium</i>																						
<i>Epilobium glandulosum va</i>																						
<i>Epilobium strictum</i>																						
<i>Equisetum fluviatile</i>																						
<i>Equisetum scirpoides</i>																						
<i>Erigeron philadelphicus</i>																						
<i>Eriophorum angustifolium</i>																						
<i>Eriophorum spissum</i>																						
<i>Eriophorum tenellum</i>	✓																					
<i>Eriophorum virginicum</i>																						
<i>Eriophorum viridi-carina</i>																						
<i>Eupatorium maculatum</i>								✓														1
<i>Eupatorium perfoliatum</i>																						
<i>Galium aparine</i>																						
<i>Galium boreale</i>																						
<i>Galium concinnum</i>																						
<i>Galium labradoricum</i>	✓		✓					✓			✓		✓		✓	✓		✓			✓	9
<i>Galium trifidum</i>																						
<i>Galium triflorum</i>								✓		✓												2
<i>Galeopsis tetrahit</i>																						
<i>Gaultheria hispidula</i>	✓									✓	✓	✓			✓	✓		✓		✓	✓	8
<i>Gaultheria procumbens</i>																			✓			1
<i>Gaylussacia baccata</i>																						
<i>Gentiana linearis</i>																						
<i>Geranium maculatum</i>																						
<i>Geum laciniatum</i>																						
<i>Geum rivale</i>																						
<i>Glyceria canadensis</i>																						
<i>Glyceria grandis</i>																						
<i>Glyceria striata</i>																						
<i>Goodyera repens</i>																						
<i>Habenaria clavellata</i>																						
<i>Habenaria dilatata</i>																						
<i>Habenaria hyperborea</i>	✓																					
<i>Habenaria lacera</i>																						
<i>Habenaria leucophaea</i>																						
<i>Habenaria media</i>																						
<i>Habenaria obtusata</i>																						
<i>Habenaria psycodes</i>																						
<i>Halenia deflexa</i>																						
<i>Hydrocotyle americana</i>																						
<i>Hypericum virginicum</i>																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5070

[illegible]

[illegible]

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5070

[illegible]

PRESENCE LIST

CONIFER BOG

Stand No. 70

Abies balsamea 14,
 ✓ Acer rubrum
 ✓ Acer spicatum
 ✓ Betula lutea
 ✓ Betula papyrifera
 ✓ Carya cordiformis
 ✓ Fraxinus nigra

Juglans cinerea
 Larix laricina
 Picea glauca
 Picea mariana 12, 13,
 Pinus resinosa
 Pinus strobus
 Populus tremuloides

Prunus serotina
 Quercus bicolor
 Quercus rubra
 Sorbus americana
 Thuja occidentalis 7, 20
 Tsuga canadensis
 Ulmus americana

con

15

15

10

15

HERBS AND SHRUBS

Alnus incana
 Alnus rugosa
 ✓ Andromeda glaucophylla 4, 7, 18, 30
 Anemone canadensis
 Aralia hispida
 Aralia nudicaulis
 Arceuthobium pusillum
 Arctostaphylos uva-ursi
 Arethusa bulbosa
 Arisaema atrorubens
 Asclepias incarnata
 Aster lateriflorus
 Aster novae-angliae
 Aster umbellatus

Dryopteris phegopteris
 Dryopteris spinulosa
 Dryopteris thelypteris 6, 7, 8, 10, 11, 12,
 Dulichium arundinaceum
 Epigaea repens
 Epilobium adenocaulon
 Epilobium angustifolium
 Epilobium densum
 Equisetum scirpoides
 Eriophorum angustifolium
 Eriophorum virginicum
 Eriophorum viridi-carinatum
 Eupatorium perfoliatum
 Eupatorium maculatum 7,
 Galium aparine
 Galium concinnum
 Galium labradoricum 3, 7, 10, 12, 14, 15, 17,
 Galium trifidum
 Gaultheria procumbens 18,
 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 44
 Iris virginica
 Juncus tenuis
 ✓ Kalmia polifolia 11, 13, 19,
 Ledum groenlandicum 1, 3, 5, 6, 7, 8, 9, 10, 11, 12,
 Leersia oryzoides
 Linnaea borealis 1, 6, 9,
 Liparis loeselii
 Listera cordata
 Lobelia kalmii
 Lobelia siphilitica

Lonicera caerulea
 Lonicera oblongifolia
 Lycopus uniflorus
 Lysimachia terrestris
 Maianthemum canadense
 Malaxis unifolia
 ✓ Menyanthes trifoliata 1, 2, 3, 6, 7, 8, 9, 10,
 Mimulus ringens 12, 19, 20
 Mitchellia 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

3.1
 30 Potentilla palustris 2, 3, 4, 7, 11, 12,
 Prenanthes alba

Pyrola asarifolia
 2.6
 25 Pyrola elliptica
 25 Pyrola rotundifolia 3, 7, 18, 19, 20
 5 Pyrola secunda 5

10
 10 Ranunculus abortivus
 10 Rhamnus alnifolia 10, 20

Rhus radicans
 Rhus vernix
 Ribes americanum
 Ribes cynosbati
 Ribes hirtellum
 Ribes lacustre
 Ribes triste

Rorippa palustris
 Rosa caroliniana
 Rubus idaeus
 Rubus triflorus 5, 6, 7, 8, 12, 15,
 Rynchospora alba

Salix candida
 Sarracenia purpurea 5, 19,

2.625 ✓ Betula pumila 3, 4, 11, 12, 14,
 Betula sandbergii

Bidens coronata
 Boehmeria cylindrica
 Botrychium virginianum
 Bromus ciliatus
 Calamagrostis canadensis

1.5 15 ✓ Calla palustris 16, 18, 19,
 Calopogon pulchellus

Caltha palustris 14, 15, 16, 20
 5.6 55 ✓ Campanula aparinoides 3, 4, 5, 7, 8, 10, 11,
 1.5 15 ✓ Chamaedaphne calyculata 6, 7, 10,
 4.1 40 ✓ Chiogenes hispidula 9, 10, 11, 14, 15, 17, 19,
 20

Cicuta bulbifera
 Cicuta maculata
 Circaea alpina
 Cirsium muticum
 Clintonia borealis

5 5 Coptis trifolia
 Corallorrhiza trifida

1.5 15 ✓ Cornus canadensis 1, 6, 8,
 Cornus obliqua
 Cornus stolonifera

✓ Cyripedium acaule
 Cyripedium arietinum
 Cyripedium parviflorum

✓ Cyripedium pubescens
 Cyripedium reginae
 Decodon verticillatus

Diervilla lonicera
 Drosera intermedia
 Drosera longifolia

10 10 Drosera rotundifolia 4, 6,
 Dryopteris linneana

1.5
 15
 9.2 40
 1.5 15 ✓ Linnaea borealis 1, 6, 9,
 18, 19, 20 3.1

10
 10 ✓ Sarracenia purpurea 5, 19,

- 1.5 ✓ *Saxifraga pennsylvanica* 4, 7, 8, 5, 6
 ✓ *Scirpus cyperinus*
 ✓ *Scirpus acutus*
 ✓ *Scirpus hudsonianus*
 ✓ *Scirpus rubrotinctus*
 ✓ *Scirpus validus*
 ✓ *Scutellaria epilobifolia*
 ✓ *Scutellaria lateriflora*
 ✓ *Selaginella selaginoides*
 ✓ *Sium suave*
- 5, 6
 5, 5 ✓ *Smilacina trifolia* 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 19,
 ✓ *Smilax herbacea*
 5, 5 ✓ *Solidago serotina* sp 15,
 ✓ *Spiraea alba*
 ✓ *Spiraea tomentosa*
 ✓ *Steironema lanceolatum*
 ✓ *Symplocarpus foetidus*
 ✓ *Thalictrum dasycarpum*
 5, 5 ✓ *Trientalis borealis*,
 ✓ *Triglochin maritima*
- ✓ *Typha latifolia*
 ✓ *Vaccinium angustifolium*
 6.1 ✓ *Vaccinium macrocarpon*
 6.0 ✓ *Vaccinium oxycoccus* 2, 3, 7, 8, 9, 10,
 ✓ *Vaccinium pennsylvanicum* 11, 12, 14,
 ✓ *Viburnum opulus* 15, 18,
 5 ✓ *Viola canadensis* 19,
 5 ✓ *Viola pallens* 7,
 ✓ *Vitis riparia*

Additional species:

- 2.6 25 ✓ *Carex star* 1, 2, 4, 12, 14,
 8.1 8 a *Carex ~~diversa~~ praearea* 1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19, 20
 4.1 40 ✓ ~~*Galium ciliatum* 3, 7, 10, 12, 14, 15, 17, 20~~
 4.1 40 ✓ *Carex paupercula* 1, 4, 5, 6, 7, 13, 15, 17
 2.6 25 ✓ *grass* 12, 13, 16, 17, 20
 ✓ *Lysimachia clethroides*
 1.0 10 *Galium triflorum* 7, 9,
 5 5 *Carex diandra* 17,
 ✓ *C. stricta*
 10.2 100 aph ✓ *Eriophorum terrellum*
 7 = 980