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CONIFER SWAMP

Ecology Form # 71

Stand # 62

Field Data Sheet - Trees

Redox.

Conduc.

Cat.Cap.

Location 42N 6 E 3

pH

02

36" Bore *peach*

% Cover 50

Basal Area *Albies*

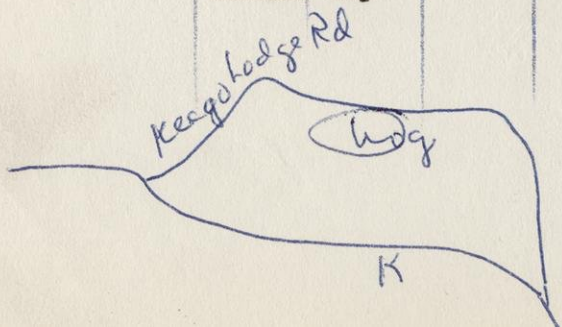
Larix Picea Thuja ~~Pop. tr.~~ Betula pap.

Distances

4	4.5	5				1.5	7.0	10.0
4			4					
	4		4.5			8.0	19.5	8.0
			4	4.5				
4	4		5	4		8.0	12.0	13.5
			5					
	6		6	8		2.5	8.75	3.25
			5	4				
4			6	8	5	13.5	3.5	9.0
			6					
			4	6	6	13.5	11.25	11.0
			6.5		4			
5	8		6.5			13.75	11.0	9.75
			8	4				
4			4	5	4.5	9.75	1.0	8.75
	5		4	4		4.0	8.0	11.25
			4.5	5				
5			4	5	4	10.25	8.0	18.5
			4					
4	5		4		4.5	4.0	16.0	1.5
					6.5			
5			4	4		11.0	16.75	8.75
			8	4				
6	4.5		7	5	5	8.0	22.5	3.5
4	4		6		4	1.5	11.5	7.5
	4							
4			8	7	4	21.0	8.0	8.5
					6			
	4.5		8	8		8.5	8.0	8.75
			4	5				
4			8		4	18.0	17.5	1.0
					4			
	4		6	4.5		7.5	8.5	10.5
			7					
4.5			4	8		8.5	13.2	13.5
			6	5				
			4	5	5	20.5	16.5	7.5
			8					

TOTALS

Sketch Map:



Plant Ecology Laboratory
Data Form 68

Station No. 62

Tree	No.		Size Cl.sq.in.			No.	F%	F%	D%	Dom%	DFD	Index	
	Pts.	Tr.	80	320	3214								Dom.
Abies balsamea	11	16	16			278			20.4	16	12.9	49.3	196 221.8
Acer rubrum													
Acer spicatum													
Betula lutea													
B. papyrifera													
Carya cord.													
C. ovata													
Fraxinus nigra													
Juglans cinerea													
Larix laricina	13	16	16			286			24.1	16	10.9	51.0	51.0
Picea glauca													
P. mariana	11	13	13			246			20.4	13	11.5	44.9	96 89.8
Pinus resinosa													
P. strobus													
Pop.balsamifera													
P. grand.													
P. trem.													
Prunus serotina													
Pyrus americana													
Quercus bicolor													
Q. rubra													
Thuja occ.	19	55	55			1386			35.2	55	64.6	154.8	620 620
Tilia americana													
Tsuga can.													
Ulmus americana													
U. rubra													

Total tran.

Av. Tr. Dis.

Av. BA

No. Tr./Acre

54

2146

108 100 999 3000

912 982.6

TABULATION FORM

CONIFER SWAMP

Stand No. 5062

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>	✓	✓	✓	✓																✓	4	
<i>Amphicarpa bracteata</i>																						
<i>Anaphalis margaritacea</i>																						
<i>Andromeda glaucophylla</i>													✓								1	
<i>Anemone canadensis</i>																						
<i>Anemone riparia</i>																						
<i>Anemone virginiana</i>																						
<i>Angelica atropurpurea</i>																						
<i>Aralia hispida</i>																						
<i>Aralia nudicaulis</i>																						
<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 canadensi</i>																						
<i>Calla palustris</i>	✓																					
<i>Calopogon pulchellus</i>																						
<i>Caltha palustris</i>	✓																					
<i>Campanula aparinoides</i>	✓									✓			✓					✓				3
<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>																						

CONIFER SWAMP

[illegible]

TABULATION FORM

CONIFER SWAMP

Stand No. 5062

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	✓																					
Dryopteris disjuncta																						
Dryopteris phegopteris																						
Dryopteris spinulosa	✓																					
Dryopteris thelypteris	✓			✓	✓			✓		✓			✓	✓	✓	✓	✓	✓	✓			11
Dulichium arundinaceum																						
Echinocystis lobata																						
Eleocharis smallii																						
Epigaea repens																						
Epilobium angustifolium																						
Epilobium glandulosum va																						
Epilobium strictum																						
Equisetum fluviatile	✓																					
Equisetum scirpoides																						
Erigeron philadelphicus																						
Eriophorum angustifolium																						
Eriophorum spissum																						
Eriophorum tenellum																						
Eriophorum virginicum																						
Eriophorum viridi-carina																						
Eupatorium maculatum																						
Eupatorium perfoliatum																						
Galium aparine																						
Galium boreale																						
Galium concinnum																						
Galium labradoricum	✓				✓					✓	✓		✓			✓					✓	6
Galium trifidum																						
Galium triflorum	✓							✓														1
Galeopsis tetrahit																						
Gaultheria hispidula	✓				/	✓			✓	✓	✓	✓							✓			6
Gaultheria procumbens	✓			✓																		1
Gaylussacia baccata																						
Gentiana linearis																						
Geranium maculatum																						
Geum laciniatum																						
Geum rivale																						
Glyceria canadensis																						
Glyceria grandis																						
Glyceria striata	✓			✓	✓					✓			✓			✓	✓	✓			✓	8
Goodyera repens																						
Habenaria clavellata																						
Habenaria dilatata																						
Habenaria hyperborea																						
Habenaria lacera																						
Habenaria leucophaea																						
Habenaria media																						
Habenaria obtusata	✓														✓				✓			2
Habenaria psycodes																						
Halenia deflexa																						
Hydrocotyle americana																						
Hypericum virginicum																						

TABULATION FORM

CONIFER SWAMP

Stand No. 5062

[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>Osmunda regalis</i>																							
<i>Oxalis montana</i>																							
<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>										✓			✓		✓		✓		✓			5	
<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>		✓								✓		✓			✓							3	
<i>Pyrola secunda</i>																							
<i>Pyrus floribunda</i>																							
<i>Pyrus melanocarpa</i>																							
<i>Ranunculus abortivus</i>																							
<i>Ranunculus hispidus</i>																							
<i>Rhamnus alnifolia</i>											✓	✓		✓	✓							4	
<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. 5062

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>		✓			✓		✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	13
<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 v</i>																						
<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>	✓		✓	✓			✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	13
<i>Smilax herbacea</i>																						
<i>Smilax lasioneura</i>																						
<i>Solanum dulcamara</i>																						
<i>Solidago canadensis</i>																						
<i>Solidago gigantea</i>	✓													✓								1
<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 var. h</i>																						
<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>	✓	✓					✓	✓														3
<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>	✓				✓			✓								✓	✓					4
<i>Vaccinium oxycoccos</i>	✓								✓			✓	✓	✓		✓	✓		✓			7

[illegible]

N is quo

PRESENCE LIST

CONIFER BOG

Stand No. 62

✓ *Abies balsamea* 8
Acer rubrum
Acer spicatum
Betula lutea
Betula papyrifera
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* 1, 3, 10, 13, 15, 17
Tsuga canadensis
Ulmus americana 19

HERBS AND SHRUBS

1.8 2.0 5.1 5.5 1.4 1.5 4.6 5.0 5.5 1.4 1.5 4.6 4.5 1.8 2.0 8.4 8.0 6.9 7.5 16" tall 16" 13
✓ *Alnus incana*
✓ *Alnus rugosa* 2, 3, 20
Andromeda glaucophylla 12
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 9, 13, 17
Chamaedaphne calyculata
Chiogenes hispidula 5, 8, 9, 10, 11, 18
Cicuta bulbifera 16, 17, 19
Cicuta maculata 20
Circaea alpina
Cirsium muticum
✓ *Clintonia borealis* 2
✓ *Coptis trifolia* 2, 6, 7
Corallorrhiza trifida
✓ *Cornus canadensis* 1, 2, 3, 4, 5, 6, 7, 11
Cornus obliqua 18
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
Dryopteris thelypteris 3, 4, 7, 9, 12, 13, 14
Dulichium arundinaceum 15, 16, 17
Epigaea repens 19
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* 4, 9, 10, 12, 15, 20
Galium trifidum
✓ *Gaultheria procumbens* 3
Gaylussacia baccata
Gentiana linearis
Geum rivale
✓ *Glyceria striata* 3, 4, 9, 12, 15, 16, 17, 20
Goodyera repens
Habenaria clavellata
Habenaria dilatata
Habenaria hyperborea
Habenaria lacera
Habenaria leucophaea
Habenaria media
✓ *Habenaria obtusata* 14, 16
Habenaria psycodes
Halenia deflexa
Helenium autumnale
Hypericum virginicum
Ilex verticillata
Impatiens biflora
Iris versicolor
Iris virginica
Juncus tenuis
✓ *Kalmia polifolia* 9, 11, 14, 16
✓ *Ledum groenlandicum* 1, 2, 3, 4, 5, 6, 8, 9, 10, 11
Leersia oryzoides 14, 15, 16, 17, 18, 19
✓ *Linnaea borealis* 1, 2, 3, 4, 5, 6, 7, 8, 11, 14
Liparis loeselii 15, 16, 17, 18, 19
Listera cordata
Lobelia kalmii
Lobelia siphilitica

Lonicera caerulea
Lonicera oblongifolia
Lycopus uniflorus
Lysimachia terrestris
Maianthemum canadense
Malaxis unifolia
✓ *Menyanthes trifoliata* 8, 10
Mimulus ringens
✓ *Mitchella repens* 3, 7
✓ *Mitella nuda* 1, 2, 3, 5, 7, 16, 19, 20
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
2.3 2.5 1.4 1.5 1.8 2.0
✓ *Polygala pauciflora*
✓ *Potentilla palustris* 9, 12, 14, 16
Prenanthes alba 18
✓ *Pyrola asarifolia*
✓ *Pyrola elliptica*
✓ *Pyrola rotundifolia* 9, 11, 14
Pyrola secunda
✓ *Ranunculus abortivus*
2.0 2.0
✓ *Rhamnus alnifolia* 10, 11, 13, 14
Rhus radicans
Rhus vernix
Ribes americanum
Ribes cynosbati
Ribes hirtellum
Ribes lacustre
Ribes triste
Rorippa palustris
Rosa caroliniana
Rubus idaeus
✓ *Rubus triflorus* 1, 4, 6, 7, 8, 11, 12, 13
✓ *Rhynchospora alba* 14, 15, 16, 17
Salix candida
Sarracenia purpurea 18, 19, 20

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

6.0
 6.5 ✓ *Smilacina trifolia* 1, 3, 6, 8, 10, 12, 13
 1.5 ✓ *Smilax herbacea* 14, 15, 16, 17
 ✓ *Solidago serotina* 13, 18, 19
 ✓ *Spiraea alba*
 ✓ *Spiraea tomentosa*
 ✓ *Steironema lanceolatum*
 ✓ *Symplocarpus foetidus*
 1.4 ✓ *Thalictrum dasycarpum*
 1.5 ✓ *Trientalis borealis* 1, 6, 7
 ✓ *Triglochin maritima*

✓ *Typha latifolia*
 ✓ *Vaccinium angustifolium*
 ✓ *Vaccinium macrocarpon*
 3.2 ✓ *Vaccinium oxycoccus* 8, 11, 12, 13, 15
 3.5 ✓ *Vaccinium pennsylvanicum* 16, 18
 ✓ *Viburnum opulus*
 2.8 ✓ *Viola canadensis*
 3.0 ✓ *Viola pallens* 8, 12, 13, 14, 20
 ✓ *Vitis riparia*

Additional species:

1.8 ✓ *Cyperus*
 2.0 ✓ *Vau myrt* 4, 7, 15, 16,
 1.4 ✓ *Carex trisp* 1, 3, 5,
 ✓ *Equis fluv*
 2.3 ✓ *Carex diasp* 2, 4, 6, 7, 19,
 2.5 ✓ *Lemna can*
 ✓ *Aster mac*

2.8 ✓ *Carex star* 9, 12, 13, 14, 19, 20
 3.2 ✓ *Carex* 1, 4, 7, 9, 14, 19, 20
 1.5 ✓ *Galium triflorum* 7,
 1.2 ✓ *Carex* 9, 10, 11,
 2.8 ✓ *Carex pauc* 12, 15, 16, 17, 18, 19,
 9.0 ✓ *stria* 8, 9, 10, 11
 9.2 ✓ *sph*

7 1085